

GW - 114

MONITORING REPORTS

DATE:

1991 GW REPORT



**DOWELL SCHLUMBERGER
INCORPORATED**

file 0125-B WESTERN WATER CONSULTANTS, INC.

FEB 19 1992

LARAMIE, WY 82070

13 February 1992

RECEIVED

AUG 26 1996

Environmental Bureau
Oil Conservation Division

Mr. Steve Wild
Water Resource Specialist
Underground Storage Tank Bureau
New Mexico Environment Department
1190 St. Francis Drive
Santa Fe, NM 87503

**RE: Results of the November 1991 Ground-Water Monitoring Event
Dowell Schlumberger Facility, Artesia, New Mexico**

Dear Steve:

Western Water Consultants, Inc. (WWC) conducted the final scheduled ground-water monitoring event at the Dowell Schlumberger, Inc. (DS) facility in Artesia, New Mexico on November 21 and 22, 1991. All sampling and water-level measurement procedures were the same as those described in the April 5, 1991 and November 20, 1991 reports, with one exception: at each well, bailed water was collected in clean plastic buckets and was poured back down the well after the well was sampled. Since chlorinated hydrocarbons are present in most of the wells and can present disposal problems, this method of disposal of bailed water eliminated the possibility of contaminating another medium (i.e., soil or wash bay sump water).

Water levels were measured at all wells prior to bailing and sampling. The measurements and water level elevations for January, September and November 1991 are presented in Table 1. The potentiometric surface maps from water levels measured in direction to the north-northeast, consistent with flow directions determined from earlier water level data. Note that water levels across the site have risen approximately 3 feet between January and November 1991.

The analytical results from the November samples are presented in Table 2, along with results from the January and September samples for comparison. Laboratory analytical reports for the November samples are appended to this letter. The concentration of aromatic and chlorinated hydrocarbons detected in ground-water from most of the wells on site do not appear to have varied substantially over the 11-month monitoring period. In MW-3, located in the northeast corner of the property, concentrations appeared to decrease from September to November. A sample was not collected from MW-3 in January due to the presence of free product in the well.

Mr. Steve Wild
13 February 1992
Page two

The total concentrations of aromatic hydrocarbons are contoured on Figure 2. Total concentrations of chlorinated hydrocarbons are contoured on Figure 3. Similarly to data from the September sampling event, the November contours for both aromatic and chlorinated hydrocarbons indicate two primary sources: one in the vicinity of the shop, and the other in the northeast corner of the property, near the location of the former wastewater tanks. A decrease in total concentration of both chlorinated and aromatic hydrocarbons is evident at MW-3.

If you have any questions or comments, please contact me at (713) 556-7221 or our consultant, WWC at (307) 742-0031.

Sincerely,



John A. Miller
Environmental Coordinator

Enclosures

JAM/dd

cc: WWC, Laramie

TABLES

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

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-1	1-23-91	17.41	100.56	83.15
	9-13-91	16.04		84.52
	11-22-91	14.50		86.06
MW-2	1-23-91	16.95	99.56	82.61
	9-13-91	15.01		84.55
	11-22-91	13.76		85.80
MW-3	1-23-91	17.28	98.33	81.05
	9-13-91	14.66		83.67
	11-22-91	13.63		84.70
MW-4	1-23-91	20.17	103.18	83.01
	9-13-91	18.54		84.64
	11-22-91	17.15		86.03
MW-5	1-23-91	17.2	99.87	82.67
	9-13-91	15.52		84.35
	11-22-91	14.19		85.68
MW-6	1-23-91	19.59	100.84	81.25
	9-13-91	17.43		83.41
	11-21-91	16.30		84.54
MW-7	1-23-91	19.01	100.23	81.22
	9-13-91	17.43		82.80
	11-21-91	16.00		84.23
MW-8	1-23-91	20.16	101.47	81.31
	9-13-91	18.80		82.67
	11-21-91	17.29		84.18
MW-9	1-26-91	20.08	102.18	82.10
	9-13-91	18.93		83.25
	11-21-91	17.35		84.83
MW-10	1-26-91	19.68	101.34	81.66
	9-13-91	18.56		82.78
	11-21-91	16.96		84.38
MW-11	1-26-91	19.27	100.60	81.33
	9-13-91	17.81		82.79
	11-21-91	16.35		84.25
MW-12	1-26-91	19.24	100.69	81.45
	9-13-91	17.59		83.10
	11-21-91	16.21		84.48
MW-13	9-13-91	15.10	99.25	84.15
	11-21-91	13.95		85.30
MW-14	9-13-91	14.60	98.74	84.14
	11-21-91	13.61		85.13
MW-15	9-13-91	16.30	100.05	83.75
	11-21-91	15.01		85.04
MW-16	9-13-91	18.83	103.37	84.54
	11-21-91	17.39		85.98

NOTE:

* = 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.

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES, JANUARY, SEPTEMBER, AND NOVEMBER 1991, DOWELL SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO

WELL #	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)	TPH (mg/L)
MW-1	1/26/91	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)	8
	9/15/91	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)	ND(1)
	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)	NA
MW-2	1/26/91	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)	68
	1/26/91**	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)	88
	9/15/91	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)	39
	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)	NA
MW-3	1/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/91	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	38
	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	NA
MW-4	1/26/91	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)	1*
	9/15/91	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)	1*
	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)	NA
MW-5	1/26/91	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)	3
	9/15/91	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)	2
	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)	NA
MW-6	1/26/91	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)	ND(1)
	9/15/91	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)	ND(1)
	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)	NA
MW-7	1/26/91	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)	ND(1)
	9/15/91	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)	ND(1)
	9/15/91**	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)	ND(1)
	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)	NA
MW-8	1/26/91	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)	ND(1)
	9/15/91	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)	ND(1)
	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)	NA
MW-9	1/26/91	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)	ND(1)
	9/15/91	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	ND(1)
	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	NA
MW-10	1/26/91	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	ND(1)
	9/15/91	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)	ND(1)
	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)	NA
MW-11	1/26/91	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)	ND(1)
	9/15/91	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)	14
	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)	NA
MW-12	1/26/91	0.26	0.95	0.23	4.5	0.14	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042	2.2	4
	9/15/91	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	3
	11/22/91#	0.11	0.43	0.034	0.81	0.11	0.002*	0.24	0.10	ND(0.001)	0.26	0.051	0.056	NA
MW-13	9/15/91	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)	ND(1)
	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)	NA
MW-14	9/15/91	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)	ND(1)
	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*	0.40	ND(0.01)	NA
	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)	NA
MW-15	9/15/91	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	ND(1)
	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)	NA
MW-16	9/15/91	ND(0.001)	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)	ND(1)
WWCBH-	1/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.002*	ND(0.001)	0.094	0.013	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(1)
WWCBH-	1/26/91	0.04	ND(0.005)	ND(0.005)	0.47	0.026	ND(0.005)	0.32	0.07	ND(0.005)	0.014	0.3	ND(0.05)	ND(1)

NOTES:

* = value is at or 1 part per billion (ug/l) above detection limit

ND = not detected at detection limit shown in parentheses

** = duplicate sample

= minor amounts of other chemicals also detected - see laboratory reports

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

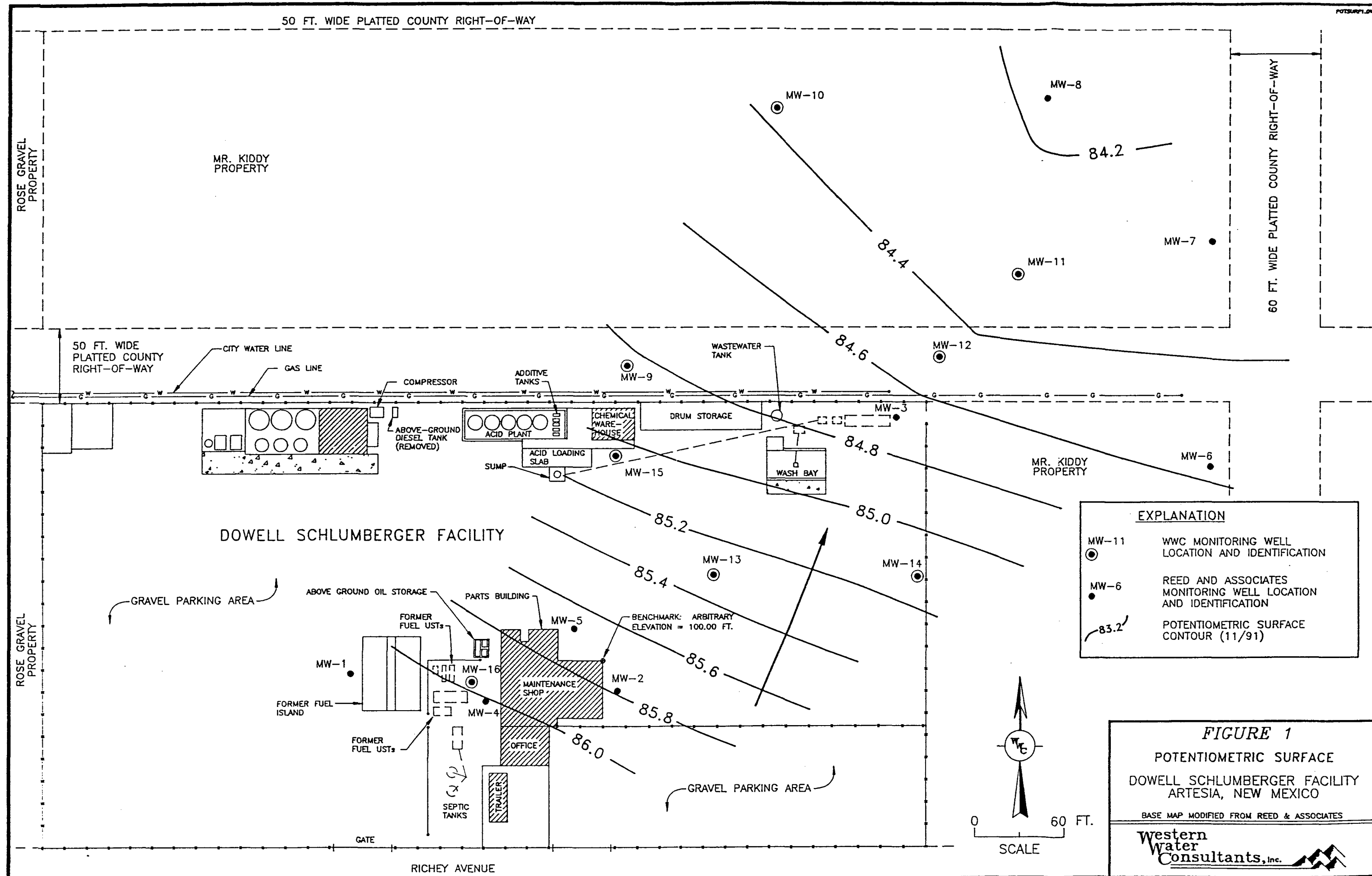
1,1,2-TCA = 1,1,2-trichloroethane

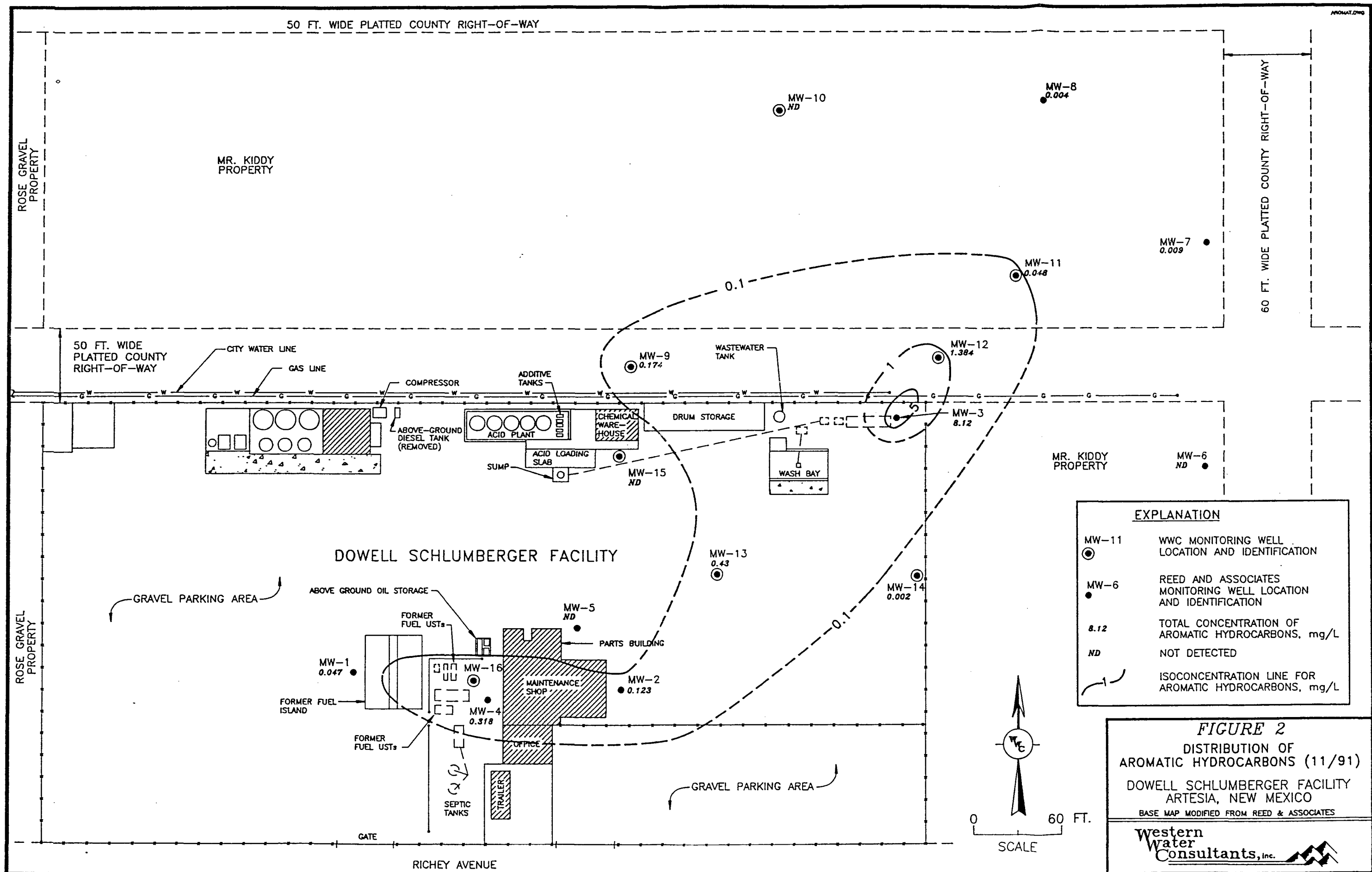
TCE = trichloroethene

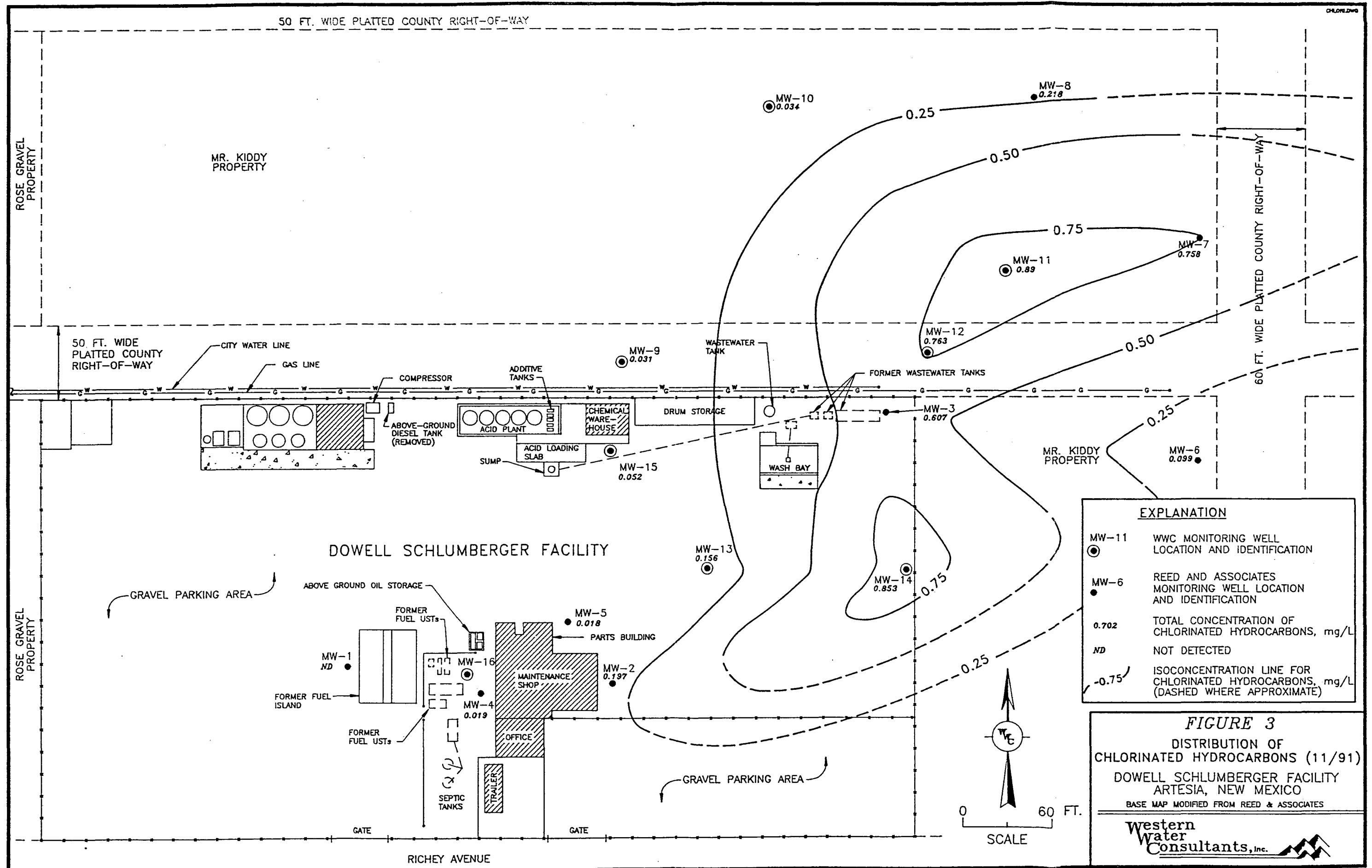
PCE = tetrachloroethene

TPH = total petroleum hydrocarbons

FIGURES







**DRAFT LETTER
TO
MR. DONALD KIDDY**

January 15, 1992

Mr. Donald Kiddy
7366 S. Platte Canyon Rd.
Littleton, CO 80123

Re: Analytical results from ground-water sampling of monitoring wells on your property adjacent to the Dowell Schlumberger Inc. facility in Artesia, New Mexico.

Dear Mr. Kiddy,

Western Water Consultants sampled all ground-water monitoring wells on your property north and east of the Dowell Schlumberger facility in Artesia, New Mexico on November 21, 1991. The results of the laboratory analyses for these wells are included in this letter (Table 1). The locations of the monitoring wells were presented in Figure 1 of a previous letter dated February 20, 1991. This information is submitted to you in accordance with the signed form titled "Consent for Right of Entry, Ingress and Egress" and my letter dated January 21, 1991.

If you have questions, please contact me at (713) 556-7221.

Sincerely,

John A. Miller
Environmental Coordinator

xc: WWC, Laramie

TABLE 1. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES, NOVEMBER 1991,
MR. DONALD KIDDY PROPERTY, ARTESIA, NEW MEXICO

WELL #	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-6	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.064	ND(0.001)	ND(0.001)	ND(0.001)	0.035	ND(0.01)
MW-7	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)
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MW-10	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)
MW-11	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)

NOTES:

* = value is at or 1 part per billion (ug/l) above detection limit

ND = not detected at detection limit shown in parentheses

= also detected in MW-11: chloroform (0.001 mg/L*)

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

**DRAFT LETTER TO
MR. STEVE WILD
NEW MEXICO ENVIRONMENT DEPARTMENT**

January 15, 1992

Mr. Steve Wild
Water Resource Specialist
Underground Storage Tank Bureau
New Mexico Environment Department
1190 St. Francis Dr.
Santa Fe, NM 87503

Re: Results of the November 1991 Ground-Water Monitoring Event, Dowell Schlumberger Facility, Artesia, New Mexico.

Dear Steve,

Western Water Consultants, Inc. (WWC) conducted the final scheduled ground-water monitoring event at the Dowell Schlumberger (DS) facility in Artesia, New Mexico on November 21 and 22, 1991. All sampling and water-level measurement procedures were the same as those described in the April 5, 1991 and November 20, 1991 reports, with one exception: at each well, bailed water was collected in clean plastic buckets and was poured back down the well after the well was sampled. Since chlorinated hydrocarbons are present in most of the wells and can present disposal problems, this method of disposal of bailed water eliminates the possibility of contaminating another medium (ie. soil or wash bay sump water).

Water levels were measured at all wells prior to bailing and sampling. The measurements and water level elevations for January, September, and November 1991 are presented in Table 1. The potentiometric surface map generated from the November data is presented on Figure 1. Potentiometric surface maps from water levels measured in January and September 1991 may be found in the two earlier reports. The apparent flow direction is to the north-northeast, consistent with flow directions determined from earlier water level data. Note that water levels across the site have risen approximately 3 feet between January and November 1991.

Mr. Steve Wild
New Mexico Environment Department
Page 2
January 15, 1992

The analytical results from the November samples are presented in Table 2, along with results from the January and September samples for comparison. Laboratory analytical reports for the November samples are appended to this letter. The concentrations of aromatic and chlorinated hydrocarbons detected in ground-water from most of the wells on site do not appear to have varied substantially over the 11-month monitoring period. In MW-3, located in the northeast corner of the property, concentrations appeared to decrease from September to November. A sample was not collected from MW-3 in January due to the presence of free product in the well.

The total concentrations of aromatic hydrocarbons are contoured on Figure 2. Total concentrations of chlorinated hydrocarbons are contoured on Figure 3. Similarly to data from the September sampling event, the November contours for both aromatic and chlorinated hydrocarbons indicate two primary sources: one in the vicinity of the shop, and the other in the northeast corner of the property, near the location of the former wastewater tanks. A decrease in total concentrations of both chlorinated and aromatic hydrocarbons is evident at MW-3.

If you have questions or comments, please contact me at (713) 556-7221 or our consultant, WWC, at (307) 742-0031.

Sincerely,

John A. Miller
Environmental Coordinator

Enclosures

xc: WWC, Laramie

LABORATORY ANALYTICAL REPORTS

DOWELL SCHLUMBERGER, ARTESIA, NEW MEXICO
SAMPLE DESCRIPTIONS

SAMPLE #	SAMPLE DESCRIPTION	VOLS. EPA 8240
0125.1-11/91	ground water - MW-1	X
0125.2-11/91	ground water - MW-2	X
0125.3-11/91	ground water - MW-3	X
0125.4-11/91	ground water - MW-4	X
0125.5-11/91	ground water - MW-5	X
0125.6-11/91	ground water - MW-6	X
0125.7-11/91	ground water - MW-7	X
0125.8-11/91	ground water - MW-8	X
0125.9-11/91	ground water - MW-9	X
0125.10-11/91	ground water - MW-10	X
0125.11-11/91	ground water - MW-11	X
0125.12-11/91	ground water - MW-12	X
0125.13-11/91	ground water - MW-13	X
0125.14-11/91	ground water - MW-14	X
0125.140-11/91	ground water - MW-14 duplicate	X
0125.15-11/91	ground water - MW-15	X
0125.200-11/91	equipment blank - distilled water	X
Trip Blank	laboratory-prepared trip blank	X

COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13645
 SAMPLE IDENTIFICATION: 0125.1-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	26
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	7
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13645

SAMPLE IDENTIFICATION: 0125.1-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	14
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13646

SAMPLE IDENTIFICATION: 0125.2-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	7
1,1-Dichloroethane	75-34-3	1	110
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	16
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	33
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	64
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	1
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	1
Styrene	100-42-5	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13646
SAMPLE IDENTIFICATION: 0125.2-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	88
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	6

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13647
 SAMPLE IDENTIFICATION: 0125.3-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	9
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	811
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	190
1,1-Dichloroethane	75-34-3	1	94
Total-1,2-Dichloroethene	540-59-0	2	2
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	4
2-Butanone	78-93-3	10	15
1,1,1-Trichloroethane	71-55-6	100	110
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	150
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	2
Benzene	71-43-2	1	110
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	13
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	57
1,1,2,2-Tetrachloroethane	79-34-5	1	1
Toluene	108-88-3	1	530
Chlorobenzene	108-90-7	1	4
Ethylbenzene	100-41-4	1	680
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13647
SAMPLE IDENTIFICATION: 0125.3-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	6800
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13648
 SAMPLE IDENTIFICATION: 0125.4-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	19
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	5	180
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	1
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	100
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13648
SAMPLE IDENTIFICATION: 0125.4-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	37
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13649

SAMPLE IDENTIFICATION: 0125.5-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	5
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	18
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13649
SAMPLE IDENTIFICATION: 0125.5-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR912474

CENREF SAMPLE NUMBER:

13650

SAMPLE IDENTIFICATION:

0125.6-11/91

DATE SAMPLED:

11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	64
1,1-Dichloroethane	75-34-3	1	5
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	35
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13650
SAMPLE IDENTIFICATION: 0125.6-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13651

SAMPLE IDENTIFICATION: 0125.7-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	25	BDL
Bromomethane	74-83-9	25	BDL
Vinyl Chloride	75-01-4	25	BDL
Chloroethane	75-00-3	25	BDL
Trichlorofluoromethane	75-69-4	25	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	50	BDL
Carbon Disulfide	75-15-0	50	BDL
1,1-Dichloroethene	75-35-4	5	360
1,1-Dichloroethane	75-34-3	5	35
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	50	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl vinyl ether	110-75-8	50	BDL
cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	53
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	310
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
Styrene	100-42-5	25	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13651
SAMPLE IDENTIFICATION: 0125.7-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	25	BDL
1,2-Dichlorobenzene	95-50-1	25	BDL
1,3-Dichlorobenzene	541-73-1	25	BDL
1,4-Dichlorobenzene	106-46-7	25	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13652

SAMPLE IDENTIFICATION: 0125.8-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	87
1,1-Dichloroethane	75-34-3	1	20
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	3
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	45
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	4
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	63
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13652

SAMPLE IDENTIFICATION: 0125.8-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13653

SAMPLE IDENTIFICATION: 0125.9-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	14
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	2
1,1-Dichloroethane	75-34-3	1	29
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	4
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	1
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	170
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13653

SAMPLE IDENTIFICATION: 0125.9-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13654
 SAMPLE IDENTIFICATION: 0125.10-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	29
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	5
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13654
SAMPLE IDENTIFICATION: 0125.10-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13655
 SAMPLE IDENTIFICATION: 0125.11-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	5	390
1,1-Dichloroethane	75-34-3	1	52
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	1
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	18
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	110
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	48
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	5	320
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13655

SAMPLE IDENTIFICATION: 0125.11-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13656
 SAMPLE IDENTIFICATION: 0125.12-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	56
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	5	240
1,1-Dichloroethane	75-34-3	1	110
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	2
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	100
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	5	260
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	110
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	51
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	34
Chlorobenzene	108-90-7	1	2
Ethylbenzene	100-41-4	5	430
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13656

SAMPLE IDENTIFICATION: 0125.12-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	25	810
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13657
 SAMPLE IDENTIFICATION: 0125.13-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	25
1,1-Dichloroethane	75-34-3	1	16
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	1
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	2
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	2
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	5	430
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	110
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13657
SAMPLE IDENTIFICATION: 0125.13-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13658
 SAMPLE IDENTIFICATION: 0125.14-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	5	310
1,1-Dichloroethane	75-34-3	1	140
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	2
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	9
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	2
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	2
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	5	400
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13658

SAMPLE IDENTIFICATION: 0125.14-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

Cenref Labs



COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR912474

CENREF SAMPLE NUMBER:

13659

SAMPLE IDENTIFICATION:

0125.15-11/91

DATE SAMPLED:

11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	9
1,1-Dichloroethane	75-34-3	1	33
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	1
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	3
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	6
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13659

SAMPLE IDENTIFICATION: 0125.15-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13660
 SAMPLE IDENTIFICATION: 0125.140-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	5	320
1,1-Dichloroethane	75-34-3	1	110
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	2
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	10
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	5	440
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR912474
CENREF SAMPLE NUMBER: 13660
SAMPLE IDENTIFICATION: 0125.140-11/91
DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME: Western Water Consultants
 CENREF PROJECT NUMBER: PR912474
 CENREF SAMPLE NUMBER: 13661
 SAMPLE IDENTIFICATION: 0125.200-11/91
 DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	6
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13661

SAMPLE IDENTIFICATION: 0125.200-11/91

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR912474

CENREF SAMPLE NUMBER:

13662

SAMPLE IDENTIFICATION:

Trip Blank

DATE SAMPLED:

11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL



Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR912474

CENREF SAMPLE NUMBER: 13662

SAMPLE IDENTIFICATION: Trip Blank

DATE SAMPLED: 11/22/91

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____



Dowell Schlumberger Incorporated
P.O. Box 4378
Houston, Texas 77210-4378
(713) 275-8400

VIA FEDEX

2 June 1993

Mr. Anthony Moreland
Underground Storage Tank Bureau
New Mexico Environment Department
1190 St. Francis Drive
Sante Fe, NM 87503

RECEIVED

AUG 26 1996

Environmental Bureau
Oil Conservation Division

**RE: Results of the March 1993 Groundwater Monitoring Event
Dowell Schlumberger Incorporated Facility, Artesia, New Mexico**

Dear Mr. Moreland:

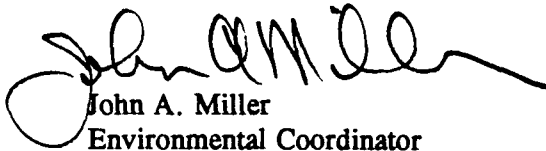
As you are aware, Western Water Consultants, Inc. (WWC) conducted groundwater monitoring at the Dowell Schlumberger Incorporated facility in Artesia, New Mexico on March 16 and 17, 1993. Split samples were collected by you at monitoring wells MW-1 through MW-5, and MW-12.

Water levels were measured at all wells prior to bailing and are presented in Table 1. The potentiometric surface map generated from the March 1993 data is shown in Figure 1.

The analytical results from the March 1993 samples are presented in Table 2, along with results from the January, September and November 1991 samples for comparison. Laboratory analytical reports for the March samples are appended to this letter.

If you have questions or comments, please call me at (713) 275-8498/8492.

Sincerely,



John A. Miller
Environmental Coordinator

JAM/dd

Enclosures

cc: WWC, Laramie

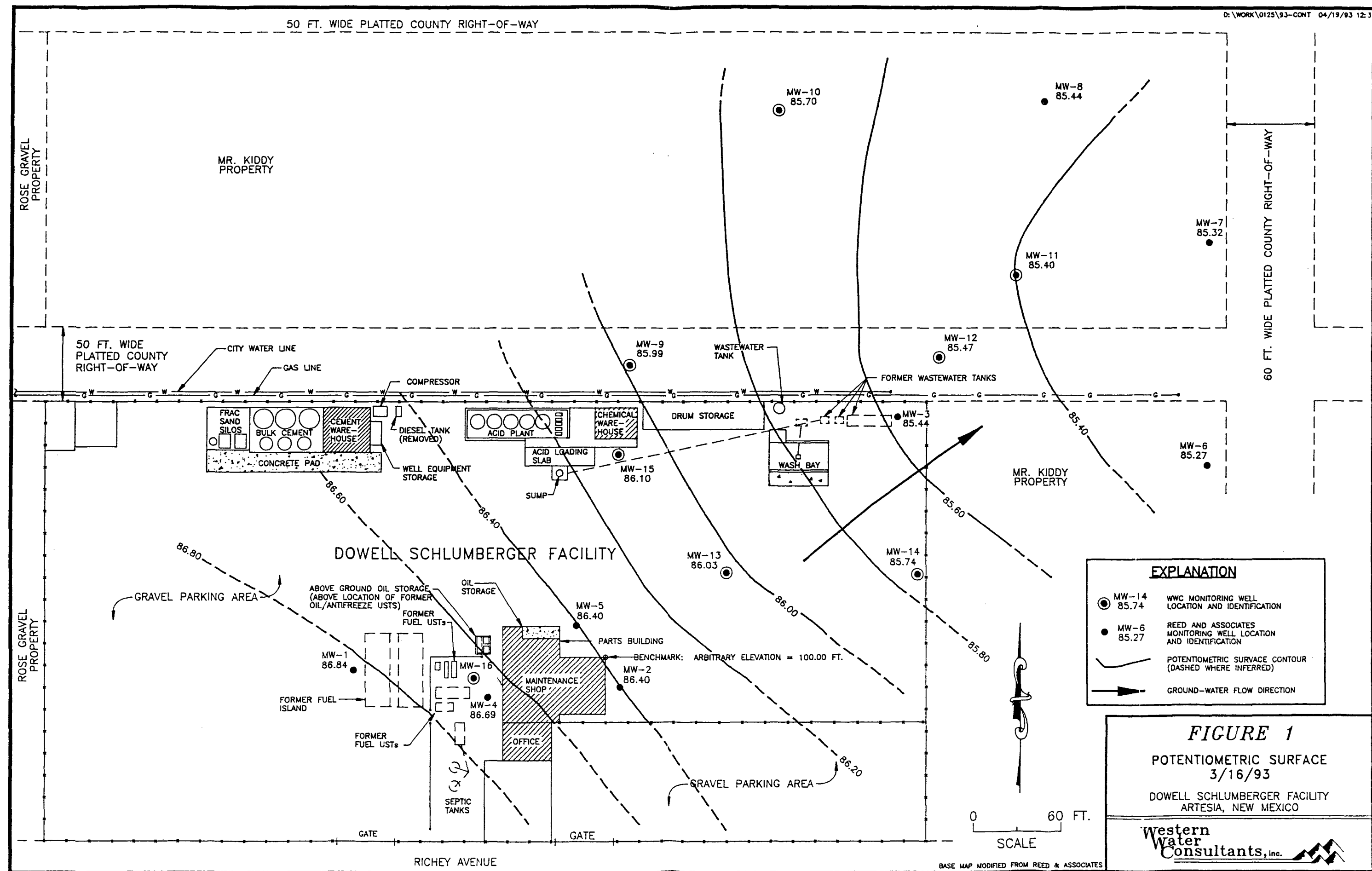


TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO.

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-1	1-23-91	17.41	100.56	83.15
	9-13-91	16.04		84.52
	11-22-91	14.50		86.06
	3-16-93	13.72		86.84
MW-2	1-23-91	16.95	99.56	82.61
	9-13-91	15.01		84.55
	11-22-91	13.76		85.80
	3-16-93	13.16		86.40
MW-3	1-23-91	17.28	98.33	81.05
	9-13-91	14.66		83.67
	11-22-91	13.63		84.70
	3-16-93	12.89		85.44
MW-4	1-23-91	20.17	103.18	83.01
	9-13-91	18.54		84.64
	11-22-91	17.15		86.03
	3-16-93	16.49		86.69
MW-5	1-23-91	17.20	99.87	82.67
	9-13-91	15.52		84.35
	11-22-91	14.19		85.68
	3-16-93	13.47		86.40
MW-6	1-23-91	19.59	100.84	81.25
	9-13-91	17.43		83.41
	11-21-91	16.30		84.54
	3-16-93	15.57		85.27
MW-7	1-23-91	19.01	100.23	81.22
	9-13-91	17.43		82.80
	11-21-91	16.00		84.23
	3-16-93	14.91		85.32
MW-8	1-23-91	20.16	101.47	81.31
	9-13-91	18.80		82.67
	11-21-91	17.29		84.18
	3-16-93	16.03		85.44
MW-9	1-26-91	20.08	102.18	82.10
	9-13-91	18.93		83.25
	11-21-91	17.35		84.83
	3-16-93	16.19		85.99
MW-10	1-26-91	19.68	101.34	81.66
	9-13-91	18.56		82.78
	11-21-91	16.96		84.38
	3-16-93	15.64		85.70

TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO
(continued).

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-11	1-26-91	19.27	100.60	81.33
	9-13-91	17.81		82.79
	11-21-91	16.35		84.25
	3-16-93	15.20		85.40
MW-12	1-26-91	19.24	100.69	81.45
	9-13-91	17.59		83.10
	11-21-91	16.21		84.48
	3-16-93	15.22		85.47
MW-13	9-13-91	15.10	99.25	84.15
	11-21-91	13.95		85.30
	3-16-93	13.22		86.03
MW-14	9-13-91	14.60	98.74	84.14
	11-21-91	13.61		85.13
	3-16-93	13.00		85.74
MW-15	9-13-91	16.30	100.05	83.75
	11-21-91	15.01		85.04
	3-16-93	13.95		86.10
MW-16	9-13-91	18.83	103.37	84.54
	11-21-91	17.39		85.98
	3-16-93	NM		NM

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 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)	TPH (mg/L)
MW-1	1/26/91	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)	8
	9/15/91	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)	ND(1)
	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)	NA
MW-2	3/16/93	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)	NA
	1/26/91	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)	68
	9/15/91	0.18	0.45	0.062	1.3	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.076	ND(0.1)	88
dup.	11/22/91*	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)	39
	3/16/93	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)	NA
	1/26/91	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)	0.026	ND(0.01)	NA
MW-3	1/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/91	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)	NA	NA
	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	3.7	38
dup.	3/16/93	ND(0.001)	1.0	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)	NA
	1/26/91	0.13	0.78	0.54	9.0	ND(0.001)	ND(0.001)	0.044	0.26	ND(0.001)	0.037	0.33	0.22	NA
MW-4	1/26/91	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)	1*
	9/15/91	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)	1*
	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)	NA
MW-5	3/16/93	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)	NA
	1/26/91	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)	3
	9/15/91	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)	2
MW-6	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)	NA
	3/16/93	0.076	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)	NA
MW-7	1/26/91	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)	ND(1)
	9/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.036	ND(0.001)	0.32	0.005	ND(0.001)	0.069	0.27	ND(0.01)	ND(1)
	11/22/91	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)	ND(1)
dup.	3/16/93	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	0.31	ND(0.05)	NA
	1/26/91	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)	ND(1)
	9/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.036	ND(0.001)	0.32	0.005	ND(0.001)	0.069	0.27	ND(0.01)	ND(1)
MW-8	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)	NA
	3/16/93	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)	NA
	1/26/91	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)	ND(1)
MW-9	9/15/91	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)	ND(1)
	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)	ND(1)
	3/16/93	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)	NA
MW-9	1/26/91	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)	ND(1)
	9/15/91	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)	0.001	0.019	ND(1)
	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	NA
MW-9	3/16/93	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)	NA

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

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)	TPH (mg/L)
MW-10	1/26/91	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	ND(1)
	9/15/91	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)	ND(1)
	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)	NA
MW-11	3/16/93	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)	NA
	1/26/91	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)	ND(1)
	9/15/91	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)	14
MW-12	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)	NA
	3/16/93	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)	NA
	1/26/91	0.26	0.95	0.23	4.5	0.14	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042	2.2	4
MW-13	9/15/91	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	3
	11/22/91*	0.11	0.43	0.034	0.81	0.11	0.002	0.24	0.10	ND(0.001)	0.26	0.051	0.056	NA
	3/16/93	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	NA
MW-14	9/15/91	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)	ND(1)
	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)	NA
	3/16/93	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	0.082	ND(0.01)	NA
MW-15	3/16/93	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)	NA
	9/15/91	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)	ND(1)
	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	0.40	ND(0.01)	NA
MW-16	3/16/93	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)	NA
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.01	0.002	0.32	0.01	ND(0.001)	ND(0.001)	0.44	ND(0.01)	NA
	9/15/91	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	ND(1)
WWCBH-1	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)	NA
	3/16/93	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)	NA
	9/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	ND(1)
WWCBH-4	1/26/91	0.04	ND(0.005)	ND(0.005)	0.47	0.026	ND(0.005)	0.32	0.07	ND(0.005)	0.014	0.3	ND(0.05)	ND(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

LABORATORY ANALYTICAL REPORTS

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2681

SAMPLE IDENTIFICATION: #0125.1-3/93 mw-1

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/25/93 @ 20:37

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	16
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2681
SAMPLE IDENTIFICATION: #0125.1-3/93 mw-1
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2684

SAMPLE IDENTIFICATION: #0125.2-3/93 mw-2

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/26/93 @ 09:54

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	2
1,1-Dichloroethane	75-34-3	1	60
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	3
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	19
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	28

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2684
SAMPLE IDENTIFICATION: #0125.2-3/93 mw-2
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2685

SAMPLE IDENTIFICATION: #0125.3-3/93 mw-3

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/26/93 @ 15:17

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	500	BDL
Bromomethane	74-83-9	500	BDL
Vinyl Chloride	75-01-4	500	BDL
Chloroethane	75-00-3	500	BDL
Trichlorofluoromethane	75-69-4	500	BDL
Methylene Chloride	75-09-2	500	BDL
Acetone	67-64-1	1000	BDL
Carbon Disulfide	75-15-0	1000	BDL
1,1-Dichloroethene	75-35-4	100	BDL
1,1-Dichloroethane	75-34-3	100	BDL
Total-1,2-Dichloroethene	540-59-0	200	BDL
Chloroform	67-66-3	100	BDL
1,2-Dichloroethane	107-06-2	100	BDL
2-Butanone	78-93-3	1000	BDL
1,1,1-Trichloroethane	71-55-6	100	260
Carbon Tetrachloride	56-23-5	100	BDL
Vinyl Acetate	108-05-4	1000	BDL
Bromodichloromethane	75-27-4	100	BDL
1,2-Dichloropropane	78-87-5	100	BDL
2-Chloroethyl vinyl ether	110-75-8	1000	BDL
cis-1,3-Dichloropropene	10061-01-5	100	BDL
Trichloroethene	79-01-6	100	BDL
Dibromochloromethane	124-48-1	100	BDL
1,1,2-Trichloroethane	79-00-5	100	BDL
Benzene	71-43-2	100	BDL
trans-1,3-Dichloropropene	10061-02-6	100	BDL
Bromoform	75-25-2	100	BDL
4-Methyl-2-Pentanone	108-10-1	1000	BDL
2-Hexanone	591-78-6	1000	BDL
Tetrachloroethene	127-18-4	100	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2685
SAMPLE IDENTIFICATION: #0125.3-3/93 mw-3
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	100	BDL
Toluene	108-88-3	100	650
Chlorobenzene	108-90-7	100	BDL
Ethylbenzene	100-41-4	100	1000
Styrene	100-42-5	500	BDL
Xylene (total)	1330-20-7	500	8600
1,2-Dichlorobenzene	95-50-1	500	BDL
1,3-Dichlorobenzene	541-73-1	500	BDL
1,4-Dichlorobenzene	106-46-7	500	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2686

SAMPLE IDENTIFICATION: #0125.30-3/93 Duplicate MW-3

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/26/93 @ 12:31

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
Vinyl Chloride	75-01-4	50	BDL
Chloroethane	75-00-3	50	BDL
Trichlorofluoromethane	75-69-4	50	BDL
Methylene Chloride	75-09-2	50	BDL
Acetone	67-64-1	100	220
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	10	44
1,1-Dichloroethane	75-34-3	10	BDL
Total-1,2-Dichloroethene	540-59-0	20	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	260
Carbon Tetrachloride	56-23-5	10	BDL
Vinyl Acetate	108-05-4	100	BDL
Bromodichloromethane	75-27-4	10	BDL
1,2-Dichloropropane	78-87-5	10	BDL
2-Chloroethyl vinyl ether	110-75-8	100	BDL
cis-1,3-Dichloropropene	10061-01-5	10	BDL
Trichloroethene	79-01-6	10	37
Dibromochloromethane	124-48-1	10	BDL
1,1,2-Trichloroethane	79-00-5	10	BDL
Benzene	71-43-2	10	130
trans-1,3-Dichloropropene	10061-02-6	10	BDL
Bromoform	75-25-2	10	BDL
4-Methyl-2-Pentanone	108-10-1	100	BDL
2-Hexanone	591-78-6	100	BDL
Tetrachloroethene	127-18-4	10	330

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2686
SAMPLE IDENTIFICATION: #0125.30-3/93 Duplicate MW-3
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	10	BDL
Toluene	108-88-3	10	540
Chlorobenzene	108-90-7	10	BDL
Ethylbenzene	100-41-4	10	780
Styrene	100-42-5	50	BDL
Xylene (total)	1330-20-7	500	9000
1,2-Dichlorobenzene	95-50-1	50	BDL
1,3-Dichlorobenzene	541-73-1	50	BDL
1,4-Dichlorobenzene	106-46-7	50	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2682

SAMPLE IDENTIFICATION: #0125.4-3/93 mw-4

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/25/93 @ 21:17

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	1
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	72
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2682
SAMPLE IDENTIFICATION: #0125.4-3/93 mw-4
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	51
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2683

SAMPLE IDENTIFICATION: #0125.5-3/93 MW-5

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/25/93 @ 21:57

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	3
1,1-Dichloroethane	75-34-3	1	13
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	1
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	78
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	26

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2683
SAMPLE IDENTIFICATION: #0125.5-3/93 mw-5
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	7
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2673

SAMPLE IDENTIFICATION: #0125.6-3/93 MW-G

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 15:15

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	98
1,1-Dichloroethane	75-34-3	1	7
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	1
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	56

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2673
SAMPLE IDENTIFICATION: #0125.6-3/93 mw-6
DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2676

SAMPLE IDENTIFICATION: #0125.7-3/93 mw-7

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 17:16

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	5	280✓
1,1-Dichloroethane	75-34-3	1	27
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	2
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	50 ✓
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	7 ✓
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	160

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COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2676
SAMPLE IDENTIFICATION: #0125.7-3/93 mw-7
DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2675
SAMPLE IDENTIFICATION: #0125.8-3/93 mw-8
DATE SAMPLED: 3/16/93
DATE/TIME ANALYZED: 3/25/93 @ 16:36

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	54
1,1-Dichloroethane	75-34-3	1	4
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	5
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	6
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	9

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2675

SAMPLE IDENTIFICATION: #0125.8-3/93 mw-8

DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2672

SAMPLE IDENTIFICATION: #0125.9-3/93 mw-9

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 14:35

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	1
1,1-Dichloroethane	75-34-3	1	12
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2672

SAMPLE IDENTIFICATION: #0125.9-3/93 mw-9

DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
 Xylene (total)	 1330-20-7	 5	 BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2671

SAMPLE IDENTIFICATION: #0125.10-3/93 MW-10

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 13:54

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	25
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	1
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2671

SAMPLE IDENTIFICATION: #0125.10-3/93 MW-10

DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2680

SAMPLE IDENTIFICATION: #0125.11-3/93 mw-11

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/25/93 @ 19:57

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	42
1,1-Dichloroethene	75-35-4	1	220
1,1-Dichloroethane	75-34-3	1	40
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	4
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	74
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	5
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	160

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2680
SAMPLE IDENTIFICATION: #0125.11-3/93 mw-11
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2687

SAMPLE IDENTIFICATION: #0125.12-3/93 mw-12

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/26/93 @ 13:11

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	17
Carbon Disulfide	75-15-0	10	26
1,1-Dichloroethene	75-35-4	1	39
1,1-Dichloroethane	75-34-3	1	120
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	55
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	36
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	160
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	13
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	18

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2687
SAMPLE IDENTIFICATION: #0125.12-3/93 mw-12
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	14
Chlorobenzene	108-90-7	1	5
Ethylbenzene	100-41-4	10	800
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	50	1000
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2677

SAMPLE IDENTIFICATION: #0125.13-3/93 mw-13

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 17:56

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	14
1,1-Dichloroethane	75-34-3	1	13
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	2
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	33
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	62

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2677
SAMPLE IDENTIFICATION: #0125.13-3/93 mw-13
DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR930715

CENREF SAMPLE NUMBER:

2678

SAMPLE IDENTIFICATION:

#0125.130-3/93 Duplicate MW-13

DATE SAMPLED:

3/16/93

DATE/TIME ANALYZED:

3/25/93 @ 18:36

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	15
1,1-Dichloroethane	75-34-3	1	13
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	1
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	2
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	34
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	66

Page 2 continued

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR930715

CENREF SAMPLE NUMBER:

2678

SAMPLE IDENTIFICATION:

#0125.130-3/93 Duplicate MW-13

DATE SAMPLED:

3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
 Xylene (total)	 1330-20-7	 5	 BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2679

SAMPLE IDENTIFICATION: #0125.14-3/93 mw-14

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 19:17

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	180
1,1-Dichloroethane	75-34-3	1	80
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	1
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	4
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	2
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	20
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	210

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2679
SAMPLE IDENTIFICATION: #0125.14-3/93 mw-14
DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2674

SAMPLE IDENTIFICATION: #0125.15-3/93 MW-15

DATE SAMPLED: 3/16/93

DATE/TIME ANALYZED: 3/25/93 @ 15:55

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	59
1,1-Dichloroethene	75-35-4	1	13
1,1-Dichloroethane	75-34-3	1	82
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	1
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	6
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	1
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	9

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2674
SAMPLE IDENTIFICATION: #0125.15-3/93 MW-15
DATE SAMPLED: 3/16/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	1	2
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	5	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR930715

CENREF SAMPLE NUMBER: 2688

SAMPLE IDENTIFICATION: Trip Blank

DATE SAMPLED: 3/17/93

DATE/TIME ANALYZED: 3/26/93 @ 16:37

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	5	BDL
Bromomethane	74-83-9	5	BDL
Vinyl Chloride	75-01-4	5	BDL
Chloroethane	75-00-3	5	BDL
Trichlorofluoromethane	75-69-4	5	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	10	BDL
Carbon Disulfide	75-15-0	10	BDL
1,1-Dichloroethene	75-35-4	1	BDL
1,1-Dichloroethane	75-34-3	1	BDL
Total-1,2-Dichloroethene	540-59-0	2	BDL
Chloroform	67-66-3	1	BDL
1,2-Dichloroethane	107-06-2	1	BDL
2-Butanone	78-93-3	10	BDL
1,1,1-Trichloroethane	71-55-6	1	BDL
Carbon Tetrachloride	56-23-5	1	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	1	BDL
1,2-Dichloropropane	78-87-5	1	BDL
2-Chloroethyl vinyl ether	110-75-8	10	BDL
cis-1,3-Dichloropropene	10061-01-5	1	BDL
Trichloroethene	79-01-6	1	BDL
Dibromochloromethane	124-48-1	1	BDL
1,1,2-Trichloroethane	79-00-5	1	BDL
Benzene	71-43-2	1	BDL
trans-1,3-Dichloropropene	10061-02-6	1	BDL
Bromoform	75-25-2	1	BDL
4-Methyl-2-Pentanone	108-10-1	10	BDL
2-Hexanone	591-78-6	10	BDL
Tetrachloroethene	127-18-4	1	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR930715
CENREF SAMPLE NUMBER: 2688
SAMPLE IDENTIFICATION: Trip Blank
DATE SAMPLED: 3/17/93

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
1,1,2,2-Tetrachloroethane	79-34-5	1	BDL
Toluene	108-88-3	1	BDL
Chlorobenzene	108-90-7	1	BDL
Ethylbenzene	100-41-4	10	BDL
Styrene	100-42-5	5	BDL
Xylene (total)	1330-20-7	50	BDL
1,2-Dichlorobenzene	95-50-1	5	BDL
1,3-Dichlorobenzene	541-73-1	5	BDL
1,4-Dichlorobenzene	106-46-7	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____