

GW - 114

2/95

WORK PLANS

NMED - APPROVAL

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
	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
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
	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
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	0.081	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-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
	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	0.062	ND(0.01)	NA
	dup.	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
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	0.008	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
	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
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	0.008	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
	dup.	0.002	0.001	ND(0.001)	ND(0.005)	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004	0.024	ND(1)
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)
	11/22/91	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)
	3/16/93#	0.04	ND(0.005)	ND(0.005)	0.47	0.021	0.002	0.07	ND(0.005)	0.014	0.3	ND(0.05)	ND(1)	
	dup.	0.04	ND(0.005)	ND(0.005)	0.47	0.021	0.002	0.094	0.013	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)	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

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(0.005)	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(0.001)	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(0.001)	NA
MW-2 dup.	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(0.001)	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)	ND(0.01)	ND(0.01)	68
	9/15/91	0.19	0.45	0.062	1.3	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.11	ND(0.01)	88
MW-3	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)	38
	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-4 dup.	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-5	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(0.001)	NA
	1/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.26	ND(0.001)	ND(0.001)	0.33	0.22	NA
	9/15/91	0.26	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	0.11	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	1*
MW-6	11/22/91	0.18	0.1	0.001	0.037	ND(0.001)	ND(0.001)	0.019	0.26	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1*
	3/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	0.26	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	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(0.001)	3
MW-7 dup.	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(0.001)	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)	0.016	ND(0.001)	NA
	3/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.026	ND(0.001)	NA
MW-8	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)	0.063	ND(0.001)	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(0.001)	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(0.001)	NA
MW-9	3/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.088	0.001	ND(0.001)	ND(0.001)	0.056	ND(0.001)	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)	ND(0.001)	0.068	ND(0.001)	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)	ND(0.001)	0.27	ND(0.001)	ND(1)
MW-9	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)	ND(0.001)	0.26	ND(0.001)	ND(1)
	3/16/93	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.027	ND(0.005)	0.28	ND(0.005)	ND(0.001)	ND(0.001)	0.31	ND(0.005)	NA
	1/26/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.28	0.002	ND(0.001)	ND(0.001)	0.16	ND(0.001)	NA
MW-9	1/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.15	0.004	ND(0.001)	ND(0.001)	0.001	ND(0.001)	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)	ND(0.001)	0.039	ND(0.001)	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)	ND(0.001)	0.045	ND(0.001)	NA
MW-9	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)	ND(0.001)	0.006	ND(0.001)	NA
	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(0.001)	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)
MW-9	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
	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(0.001)	NA

COUNTY

GROUND-WATER PATHWAY WORKSHEET

SITE

Devel. Sauerberg

REVIEWER

James Swase

DATE

12/1/93

RATING FACTOR

ASSIGNED VALUE (Circle One)

SCORE

Step GW1 - Discharge Characteristics

Discharge Hazard	0	3	6	9	12	15	18
Discharge Quantity	2	4	6	8	10	12	14
							16

Total Step GW1 - Discharge Characteristics Score-----

Step GW2 - Violating Release

0 or 45

Step GW3 - Route Characteristics

Depth to Aquifer	1	2	4	6
Precipitation			2	3
Vadose Zone Permeability	0	1	2	3
Physical State	0	1	2	3

Total Step GW3 - Route Characteristics Score-----

Step GW4 - Containment

0 1 2 3

Step GW5 - Targets

Ground-Water Use 3 6 9

Distance to Nearest Well/ Population Served or Wells Contaminated	10	14	18	22	26	30
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Total Step GW5 - Targets Score-----

Step GW6 - Ground-Water Pathway Score (GWS) Calculation

If GW2 is 45, {(GW1 x GW2 x GW5) / 59,670} x 100 =

1.7.51(66)

If GW2 is 0, {(GW1 x GW3 x GW4 x GW5) / 59,670} x 100 =

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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 WW-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-6

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

Page 2 continued

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

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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: _____