GW - 114

MONITORING REPORTS

DATE:

1997 - REPORTS

GW MONITORING

Schlumberger Oilfield Services

Oilfield Services Shared Resources

John A. Miller
Remediation Manager

Via Fedex

May 29, 1997

RECEIVED

JUN - 6 1997

Environmental Bureau
Oil Conservation Division

Mr. Pat Sanchez
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RE: Initial Evaluation of Natural Attenuation and Quarterly Monitoring Report for the Dowell, a division of Schlumberger Technology Corporation (Dowell) facility, Artesia, New Mexico.

Dear Mr. Sanchez:

Enclosed is the Quarterly Monitoring Report which contains the results of the second quarter ground-water and air quality monitoring for 1997 at the Dowell facility in Artesia, New Mexico. Included with this document are site, potientiometric, and dissolved oxygen maps (Figures 1,2, and 3), static water level, air and water quality tables (Tables 1, 2, and 3), and laboratory data sheets.

Also enclosed is an Initial Evaluation of Natural Attenuation Report which contains a microbial and geochemical analysis of conditions at the site. This report notes the improvements in ground-water from the past source reduction activities, i.e. removal of underground storage tanks, installation of two soil vapor extraction systems, and removal of the acid plant sump. Significantly, the report notes that geochemical processes are contributing to anaerobic reductive dehalogenation of the residual constituents in the ground-water. The report further documents that microorganisms are present in the ground-water and that these microorganisms are capable of degrading a mixture of gasoline, PCE and TCE. The report concludes that natural biodegradation is an important element of corrective action at this site.

Due to the presence of low concentrations of hydrocarbons in monitoring wells MW-21 and MW-25, Dowell is proposing to install 3 additional ground-water monitoring wells north of the existing property line to further define the horizontal extent of contamination (Figure 1). Drilling of these additional wells will occur once arrangements can be made to gain access to the property.

P.O. Box 2727, Houston, Texas 77252-2727
300 Schlumberger Drive, Sugar Land, Texas 77478
(281) 285-8498 (281) 285-8526 (fax)

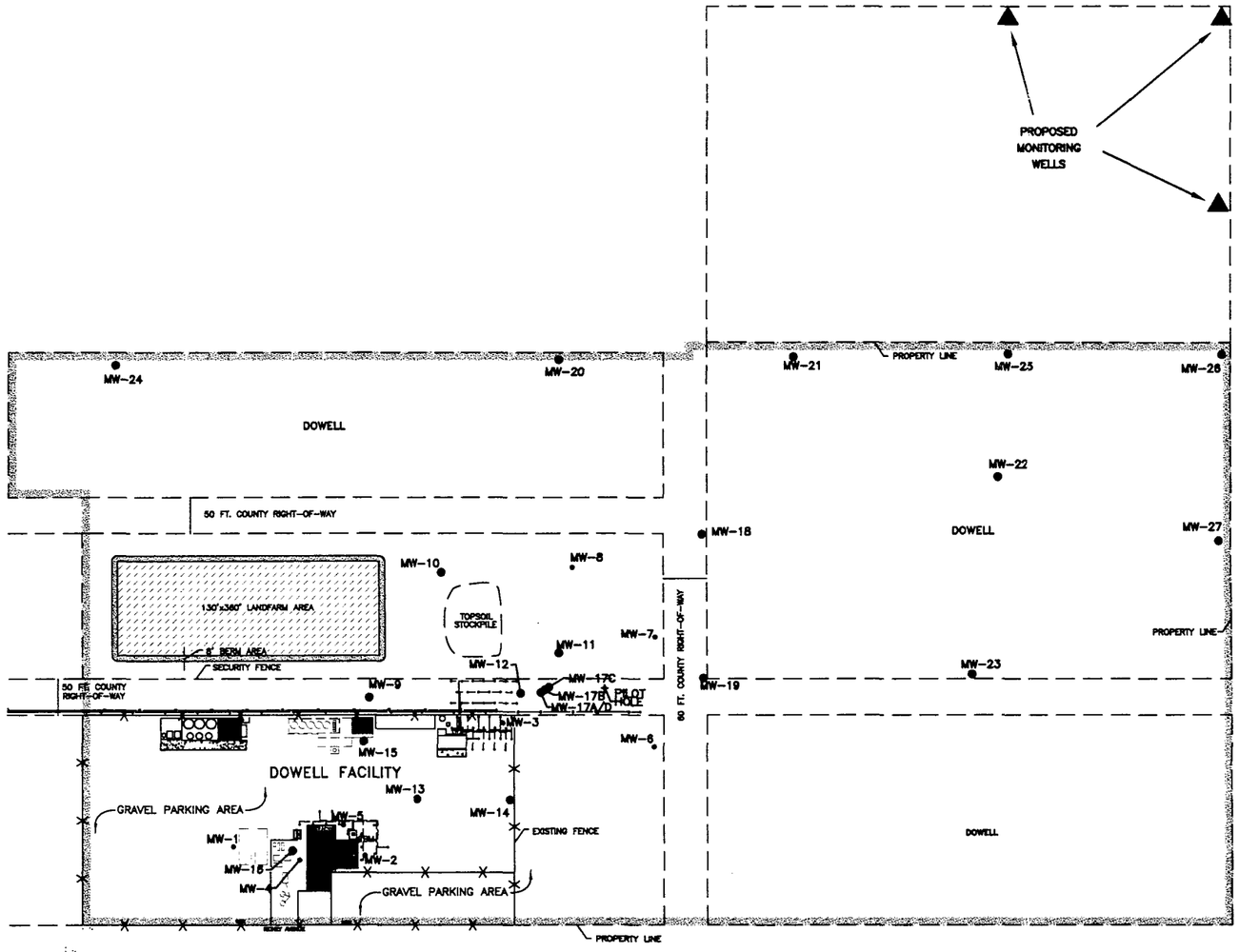
The third quarter monitoring event is scheduled for July, 1997. If you have any question or comments, please call me at (281) 285-8498.

Sincerely,

John A. Miller
Remediation Manager

Enclosure
cc: WWC, Laramine

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EXPLANATION

- MW-12 — WWC MONITORING WELL LOCATION AND IDENTIFICATION
- MW-6 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION
- TBM — TEMPORARY BENCH MARK
- ---- — AIR PIPING
- • — SVE EXTRACTION WELL

0 200 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 1

PROPOSED WELL LOCATIONS

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

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MW-24 86.01
MW-20 85.05
MW-21 84.48
MW-25 83.41
MW-26 83.05
DOWELL
PROPERTY LINE
MW-22 83.72
84.0
83.5
50 FT. COUNTY RIGHT-OF-WAY
MW-18 85.06
DOWELL
MW-27 83.11
85.0
84.5
MW-10 85.64
MW-8 85.36
SOUTHEAST READY MIX
86.0
85.5
MW-7 85.32
60 FT. COUNTY RIGHT-OF-WAY
PROPERTY LINE
MW-11 85.41
SECURITY FENCE
MW-12 85.59
MW-23 84.23
MW-19 85.32
50 FT. COUNTY RIGHT-OF-WAY
MW-17C 85.53
PILOT HOLE
MW-17B 85.61
MW-17A/D 85.65/85.65
MW-9 86.14
CITY WATER LINE
GAS LINE
COMPRESSOR
WASTEWATER TANK
DRUM STORAGE
MW-3 85.90
MW-6 85.54
MW-15 86.52
WELL EQUIPMENT STORAGE
WASH BAY SVE SYSTEM
DOWELL FACILITY
MW-13 86.77
86.5
87.5
87.0
MW-14 86.30
ABOVE GROUND OIL STORAGE
GRAVEL PARKING AREA
MW-5 87.35
FORMER FUEL USTs
TBM
EXISTING FENCE
MW-1 87.59
MAINTENANCE SHOP
MW-2 87.35
MAINTENANCE SHOP SVE SYSTEM
FORMER FUEL ISLAND
MW-16
SOUTHEAST READY MIX
MW-4 88.04
OFFICE
GRAVEL PARKING AREA
SEPTIC TANK
RICHEY AVENUE
PROPERTY LINE

EXPLANATION

- MW-12 85.59 — WWC MONITORING WELL LOCATION AND IDENTIFICATION, GROUND-WATER ELEVATION
- MW-6 85.54 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION, GROUND-WATER ELEVATION
- TBM — TEMPORARY BENCH MARK
- 85.0 — POTENTIOMETRIC SURFACE CONTOUR
- ------- AIR PIPING
- • SVE EXTRACTION WELL

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

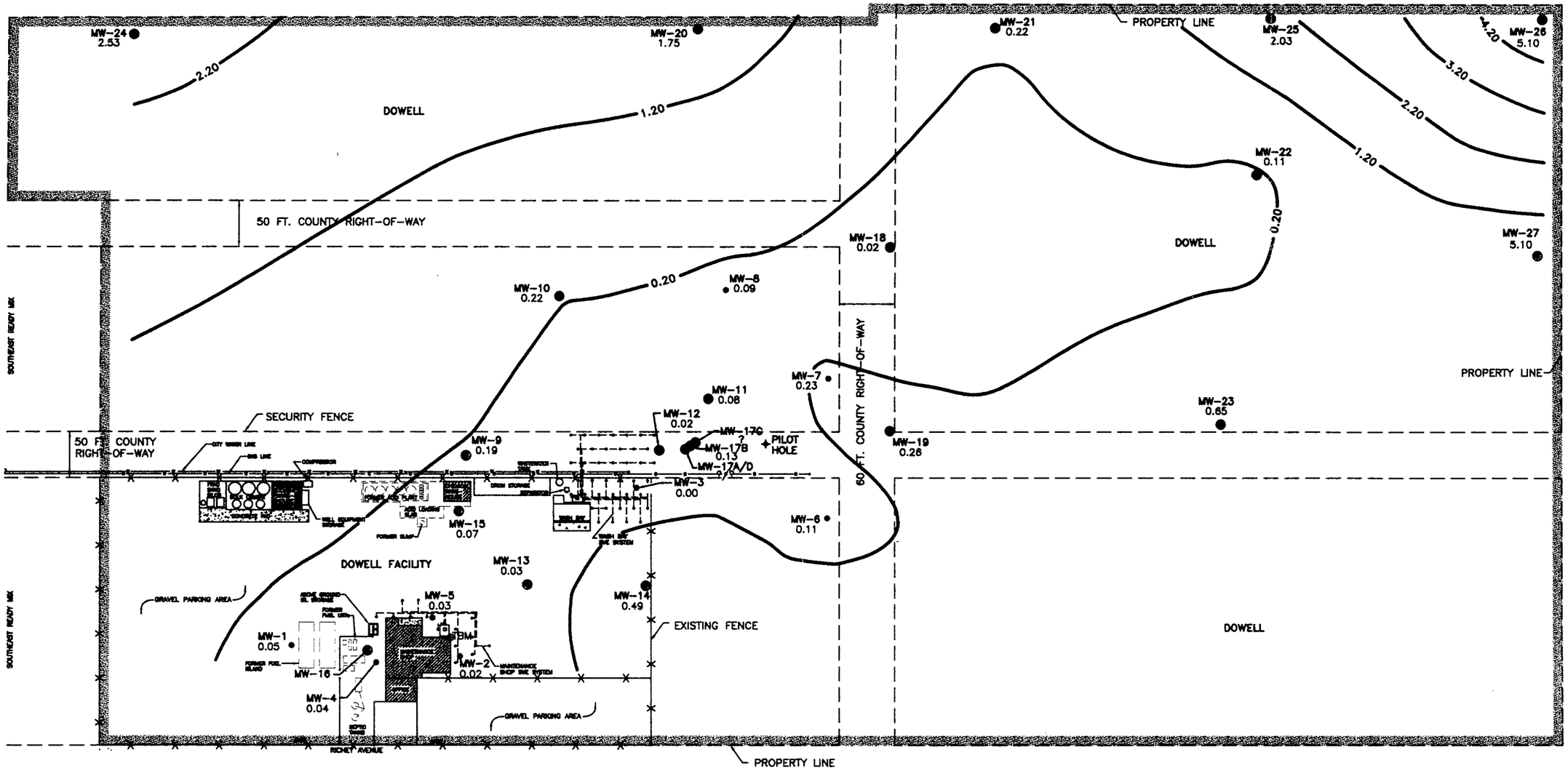
FIGURE 2

POTENTIOMETRIC SURFACE
(APRIL 8, 1997)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering
Engineering Environmental Mining Water Resources

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EXPLANATION

- MW-12 0.02 — WWC MONITORING WELL LOCATION AND IDENTIFICATION; DISSOLVED OXYGEN CONCENTRATION
- MW-6 0.11 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION; DISSOLVED OXYGEN CONCENTRATION
- TBM — TEMPORARY BENCH MARK
- 1.20 — DISSOLVED OXYGEN CONCENTRATION CONTOUR
- AIR PIPING
- SVE EXTRACTION WELL

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 3

DISSOLVED OXYGEN MAP
(APRIL 8, 1997)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
	04/08/97				12.97	87.59	0.27
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
	04/08/97				12.21	87.35	0.20
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94				NM	NM	NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
	04/08/97				12.43	85.90	-0.01
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-4 Cont.	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80
	01/21/97				15.37	87.81	0.91
	04/08/97				15.14	88.04	0.23
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33
	03/16/93				13.47	86.40	0.72
	01/09/94				14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
	04/08/97				12.52	87.35	0.17
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
	04/08/97				15.30	85.54	-0.09
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
	04/08/97				14.91	85.32	-0.10
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-8 Cont.	04/19/94				17.05	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30
	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37
	04/08/97				16.11	85.36	-0.06
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12
	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20
	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
	04/08/97				16.04	86.14	0.08
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
	04/08/97				15.70	85.64	0.03
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-11 Cont.	01/21/97				15.15	85.45	0.37
	04/08/97				15.19	85.41	-0.04
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03
	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67
	01/21/97				15.04	85.65	0.44
	04/08/97				15.10	85.59	-0.06
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30
	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
	04/08/97				12.48	86.77	0.22
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
	04/08/97				12.44	86.30	0.03
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
**	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-15 Cont.	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
	04/08/97				13.53	86.52	0.11
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03
	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
	04/08/97				15.64	85.65	-0.04
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68
	01/21/97				14.88	85.69	0.42
	04/08/97				14.92	85.65	-0.04
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
	04/08/97				15.67	85.61	-0.03
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17
	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
	04/08/97				15.80	85.53	-0.05
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
	04/08/97				13.66	85.06	-0.12
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
	04/08/97				13.76	85.32	-0.07

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
	04/08/97				16.04	85.05	0.04
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10
	04/08/97			98.89	14.41	84.48	-0.14
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
	04/08/97			97.14	13.42	83.72	-0.50
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
	04/08/97			97.30	13.07	84.23	-0.51
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35
	04/08/97			103.41	17.40	86.01	0.15
MW-25	04/08/97			97.64	14.23	83.41	-
MW-26	04/08/97			96.11	13.06	83.05	-
MW-27	04/08/97			96.17	13.06	83.11	-

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet. Benchmark is located on the concrete right up against the east shop wall, at the northeast corner of the shop.

** = water level measurement may be in error

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	0.064	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	0.006	0.002	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
•	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
•	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.088
dup. •	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
•	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
•	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
	04/09/97	0.015	0.029	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.007	0.034
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.650	8.800	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)
	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.089	ND(0.005)	0.064	0.011

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J
	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.066	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
	04/09/97	0.034	0.137	ND(0.010)	0.146	0.065	ND(0.010)	0.064	ND(0.010)	ND(0.010)	0.107	0.013
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
*	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025
	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-5 Cont. *	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019
	04/09/97	0.040	0.040	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.028
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.006
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.025	ND(0.002)	ND(0.002)	ND(0.002)	0.009
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220
	10/22/96	ND(0.010)	ND((0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
	04/09/97	0.005	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.186	ND(0.002)	ND(0.002)	0.017	0.148
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.008

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
MW-8 Cont.	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.008	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
	04/09/97	0.00094J	ND(0.002)	ND(0.002)	ND(0.004)	0.015	ND(0.002)	0.097	ND(0.002)	ND(0.002)	0.019	0.028
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
	04/09/97	0.00051J	ND(0.001)	ND(0.001)	ND(0.002)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	0.00096J
MW-10	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-10 Cont.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0009J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.00094J	ND(0.002)	0.158	0.004	ND(0.002)	ND(0.002)	ND(0.002)
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
•	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
•	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.063	0.330
dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
•	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
•	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
	04/09/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.128	0.008	ND(0.002)	0.027	0.180
MW-12	01/26/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.061
•	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
•	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033
•	07/20/94	0.160	0.720	0.071	0.610	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
•	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.098	0.059
•	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
•	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
•	04/13/96	0.098	0.620	0.180	0.690	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
	04/09/97	0.086	0.920	0.138	1.869	0.159	ND(0.020)	0.040	0.051	ND(0.020)	0.046	0.039
dup.	04/09/97	0.079	0.855	0.129	1.837	0.159	ND(0.010)	0.040	0.054	ND(0.010)	0.047	0.039
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066
MW-13 Cont.	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025
	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
	04/09/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.00044J	ND(0.001)	ND(0.001)	0.005	0.005
dup.	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.0005J	ND(0.001)	ND(0.001)	0.006	0.005
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.061
dup.	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
	04/09/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.023	ND(0.005)	ND(0.005)	ND(0.005)	0.024
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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
•	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-15 Cont.	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J
	04/09/97	0.00063J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.00059J	0.002	ND(0.001)	ND(0.001)	0.00073J	ND(0.001)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.030	ND(0.001)	0.020	0.003	ND(0.001)	0.026	0.022
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.064
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.086
*	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.065
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
	04/09/97	0.007	ND(0.001)	ND(0.001)	ND(0.002)	0.065	0.00092J	0.051	0.008	ND(0.001)	0.051	0.051
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280
	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
	04/09/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.035	0.00098J	0.115	0.005	ND(0.002)	0.021	0.132
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-17C Cont.	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
	04/09/97	0.011	ND(0.002)	ND(0.002)	ND(0.004)	0.049	0.002	0.105	ND(0.002)	ND(0.002)	0.100	0.008
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0008J	0.180	0.002	ND(0.001)	0.047	0.097
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.022	0.00069J	0.155	0.002	ND(0.001)	0.044	0.116
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.116	0.00069J	ND(0.001)	0.004	0.087
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.008
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.008
	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011
	04/09/97	0.00148J	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.005	0.008
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.063	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.065	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
	04/09/97	0.013	ND(0.001)	ND(0.001)	ND(0.002)	0.014	0.00072J	0.084	ND(0.001)	ND(0.001)	0.021	0.080
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030
	04/09/97	0.015	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00085J	0.035	ND(0.001)	ND(0.001)	0.006	0.020

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
duplicate	04/09/97	0.014	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00078J	0.034	ND(0.001)	ND(0.001)	0.005	0.019
MW-26	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
duplicate	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-27	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

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

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

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	7.00
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.40
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	3.00
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)	1.90
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
*	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20	NA
	10/18/95	ND(0.2)	2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00	ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20	1.80
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60	ND(1)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10	2.50
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00	ND(1)
*	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07	ND(0.04)
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68	ND(0.2)
	10/18/95	ND(0.2)	2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-COMP	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)	NA
WB-1	02/10/94	ND(1)	3.57	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)	ND(2)
	02/16/94	ND(1)	1.20	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50	9.10
	02/23/94	ND(0.5)	2.20	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.60	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.60	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60	4.10
	03/18/94	ND(0.5)	14.60	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)	21.30
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)	ND(1)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
WB-1 Cont.	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	4.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)	1.20
	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00	ND(1)
	07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	ND(0.001)	0.19	0.14	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04	NA
	01/25/95	ND(0.04)	0.16	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28	ND(0.2)
WB-2	02/10/94	1.67	5.03	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3.00	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50	6.70
	02/23/94	1.40	9.30	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.30	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.40	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	26.70
	03/18/94	0.70	4.80	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	18.70
	03/28/94	ND(0.5)	1.90	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.10	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	4.10	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	1.60
	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.28
*	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23	NA
	01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
WB-3	02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	ND(2)
	02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60	1.40
	03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)	3.80
	03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)	46.40
	03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)	13.30
	05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
*	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	NA
WB-3 Cont.	01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37	ND(0.04)
	05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)
WB-N1	05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	ND(0.2)
WB-N2	05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	ND(0.2)
WB-N3	05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	ND(0.2)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38	ND(0.2)
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	NA
	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	3.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.
During and after January 1995, the laboratory analytical method used was EPA Method 8260.
See laboratory reports for concentrations of additional analytes.
In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:
mg/m3 = milligrams per cubic meter
* = units reported as "ppm" or "mg/L". Detection limit may be incorrect.
J = chemical present above instrument detection limit but below method detection limit
NA = not analyzed
MS = Maintenance Shop SVE system
WB = Wash Bay SVE system
WB-N1 = north subzone of Wash Bay Zone 1
WB-N2 = north subzone of Wash Bay Zone 2
WB-N3 = north subzone of Wash Bay Zone 3
WB-COMP = composite sample from Wash Bay zones 1, 2, and 3

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

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-1.4/97 MW-1	Date Sampled:	04/09/97
Laboratory ID:	C97-21960	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**6.20**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	**Ethylbenzene**	**2.10**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-1	Date Sampled:	04/09/97
Sample ID:	90125-1.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21960	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	844851	910392	92.8%	50 - 200 %
Fluorobenzene	2155323	2154957	100%	50 - 200 %
1,4 - Difluorobenzene	1650409	1708667	96.6%	50 - 200 %
Chlorobenzene - d5	1172666	1141957	103%	50 - 200 %
1,4 - Dichlorobenzene - d4	447085	419220	107%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-2.4/97 MW-2	Date Sampled:	04/09/97
Laboratory ID:	C97-21961	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**2.58**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**15.3**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**6.56**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**34.2**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	**Ethylbenzene**	**29.1**	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-2.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21961	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**5.04**	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	**n - Propylbenzene**	**8.86**	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	**1,2,4 - Trimethylbenzene**	**19.7**	2.0
135-98-8	**sec - Butylbenzene**	**7.70**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	923992	910392	101%	50 - 200 %
Fluorobenzene	2330626	2154957	108%	50 - 200 %
1,4 - Difluorobenzene	1772841	1708667	104%	50 - 200 %
Chlorobenzene - d5	1296360	1141957	114%	50 - 200 %
1,4 - Dichlorobenzene - d4	499223	419220	119%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	10.6	106%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-3.4/97 MW-3	Date Sampled:	04/09/97
Laboratory ID:	C97-21962	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	10	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	10.0
74-87-3	Chloromethane	ND	10.0
75-01-4	Vinyl chloride (Chloroethene)	ND	10.0
74-83-9	Bromomethane	ND	10.0
75-00-3	Chloroethane	ND	10.0
75-69-4	Trichlorofluoromethane	ND	10.0
75-35-4	**1,1 - Dichloroethene**	**64.3**	10.0
75-09-2	Methylene chloride (Dichloromethane)	ND	10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	10.0
75-34-3	**1,1 - Dichloroethane**	**64.7**	10.0
78-93-3	2 -Butanone (MEK)	ND	100.0
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	ND	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	ND	10.0
107-06-2	1,2 - Dichloroethane	ND	10.0
563-58-6	1,1 - Dichloropropene	ND	10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	10.0
71-43-2	**Benzene**	**34.1**	10.0
74-95-3	Dibromomethane	ND	10.0
78-87-5	1,2 - Dichloropropane	ND	10.0
79-01-6	**Trichloroethene**	**107**	10.0
75-27-4	Bromodichloromethane	ND	10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	10.0
79-00-5	1,1,2 - Trichloroethane	ND	10.0
108-88-3	Toluene	ND	10.0
106-93-4	1,2 - Dibromoethane	ND	10.0
142-28-9	1,3 - Dichloropropane	ND	10.0
124-48-1	Dibromochloromethane	ND	10.0
127-18-4	**Tetrachloroethene**	**12.7**	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	10.0
108-90-7	Chlorobenzene	ND	10.0
100-41-4	**Ethylbenzene**	**137**	10.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**58.8**	20.0
75-25-2	Bromoform (Tribromomethane)	ND	10.0
100-42-5	Styrene (Ethenylbenzene)	ND	10.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**87.6**	10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	10.0
96-18-4	1,2,3 - Trichloropropane	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-3	Date Sampled:	04/09/97
Sample ID:	90125-3.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21962	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**84.4**		10.0
108-86-1	Bromobenzene	ND		10.0
103-65-1	**n - Propylbenzene**	**144**		10.0
95-49-8	2 - Chlorotoluene	ND		10.0
106-43-4	4 - Chlorotoluene	ND		10.0
108-67-8	**1,3,5 - Trimethylbenzene**	**260**		10.0
98-06-6	tert - Butylbenzene	ND		10.0
95-63-6	**1,2,4 - Trimethylbenzene**	**408**		10.0
135-98-8	**sec - Butylbenzene**	**7.60**	**J**	10.0
541-73-1	1,3 - Dichlorobenzene	ND		10.0
106-46-7	1,4 - Dichlorobenzene	ND		10.0
99-87-6	4-Isopropyltoluene	ND		10.0
95-50-1	1,2 - Dichlorobenzene	ND		10.0
104-51-8	n - Butylbenzene	ND		10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		50.0
120-82-1	1,2,4 - Trichlorobenzene	ND		10.0
91-20-3	**Naphthalene**	**45.7**		10.0
87-68-3	Hexachlorobutadiene	ND		10.0
87-61-6	1,2 3 - Trichlorobenzene	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1160378	910392	127%	50 - 200 %
Fluorobenzene	2839882	2154957	132%	50 - 200 %
1,4 - Difluorobenzene	2159333	1708667	126%	50 - 200 %
Chlorobenzene - d5	1493861	1141957	131%	50 - 200 %
1,4 - Dichlorobenzene - d4	543572	419220	130%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.1	101%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.52	95.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.84	98.4%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-4.4/97 MW-4	Date Sampled:	04/09/97
Laboratory ID:	C97-21963	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	1,1 - Dichloroethane	ND	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	Tetrachloroethene	ND	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-4	Date Sampled:	04/09/97
Sample ID:	90125-4.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21963	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1216573	910392	134%	50 - 200 %
Fluorobenzene	2757396	2154957	128%	50 - 200 %
1,4 - Difluorobenzene	2225453	1708667	130%	50 - 200 %
Chlorobenzene - d5	1453723	1141957	127%	50 - 200 %
1,4 - Dichlorobenzene - d4	538500	419220	128%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.51	95.1%	86 - 118 %
Toluene - d8	9.92	99.2%	88 - 110 %
4 - Bromofluorobenzene	9.78	97.8%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.87	98.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-5.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21964	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**3.16**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**40.4**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**3.60**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**28.1**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	**Ethylbenzene**	**39.9**	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-5.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21964	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**5.90**	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	**n - Propylbenzene**	**10.2**	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	**sec - Butylbenzene**	**4.64**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1266601	910392	139%	50 - 200 %
Fluorobenzene	2791233	2154957	130%	50 - 200 %
1,4 - Difluorobenzene	2258391	1708667	132%	50 - 200 %
Chlorobenzene - d5	1505558	1141957	132%	50 - 200 %
1,4 - Dichlorobenzene - d4	543334	419220	130%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.18	91.8%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.35	93.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.72	97.2%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-6.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21965	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**25.0**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**10.2**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**8.74**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-6.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21965	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1285818	910392	141%	50 - 200 %
Fluorobenzene	2897301	2154957	134%	50 - 200 %
1,4 - Difluorobenzene	2333413	1708667	137%	50 - 200 %
Chlorobenzene - d5	1562066	1141957	137%	50 - 200 %
1,4 - Dichlorobenzene - d4	568311	419220	136%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.21	92.1%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.34	93.4%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.91	99.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-7.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21966	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**186**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**21.5**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**4.86**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**17.4**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**148**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-7.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21966	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1107936	910392	122%	50 - 200 %
Fluorobenzene	2594193	2154957	120%	50 - 200 %
1,4 - Difluorobenzene	2037090	1708667	119%	50 - 200 %
Chlorobenzene - d5	1355016	1141957	119%	50 - 200 %
1,4 - Dichlorobenzene - d4	483310	419220	115%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.44	94.4%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.50	95.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.87	98.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-8.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21967	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**96.5**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**14.6**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**0.94**	J	2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**18.6**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**28.2**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-8.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21967	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1078427	910392	118%	50 - 200 %
Fluorobenzene	2513819	2154957	117%	50 - 200 %
1,4 - Difluorobenzene	1972032	1708667	115%	50 - 200 %
Chlorobenzene - d5	1311983	1141957	115%	50 - 200 %
1,4 - Dichlorobenzene - d4	472340	419220	113%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.56	95.6%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.65	96.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-9.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21968	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**2.33**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**22.0**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.51**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**1.85**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**0.96**	J	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-9.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21968	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.63**	**J**	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**5.89**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		5.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

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RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	824096	910392	90.5%	50 - 200 %
Fluorobenzene	1996446	2154957	92.6%	50 - 200 %
1,4 - Difluorobenzene	1592272	1708667	93.2%	50 - 200 %
Chlorobenzene - d5	1087942	1141957	95.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	408099	419220	97.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.9	109%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-10.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21969	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**158**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**0.94**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**4.24**		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	Benzene	ND		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	Trichloroethene	ND		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	Tetrachloroethene	ND		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-10	Date Sampled:	04/09/97
Sample ID:	90125-10.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21969	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

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RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	964253	910392	106%	50 - 200 %
Fluorobenzene	2284909	2154957	106%	50 - 200 %
1,4 - Difluorobenzene	1808771	1708667	106%	50 - 200 %
Chlorobenzene - d5	1198792	1141957	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	432064	419220	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.95	99.5%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.80	98.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.81	98.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-11.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21970	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**128**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**32.6**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	**1,1,1 - Trichloroethane**	**7.68**	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**2.16**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**26.5**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**180**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-11.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21970	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	885085	910392	97.2%	50 - 200 %
Fluorobenzene	2122873	2154957	98.5%	50 - 200 %
1,4 - Difluorobenzene	1680678	1708667	98.4%	50 - 200 %
Chlorobenzene - d5	1127014	1141957	98.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	401599	419220	95.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.76	97.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Reviewed: sec

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-12.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21971	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	20	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	20.0
74-87-3	Chloromethane	ND	20.0
75-01-4	Vinyl chloride (Chloroethene)	ND	20.0
74-83-9	Bromomethane	ND	20.0
75-00-3	Chloroethane	ND	20.0
75-69-4	Trichlorofluoromethane	ND	20.0
75-35-4	**1,1 - Dichloroethene**	**39.6**	20.0
75-09-2	Methylene chloride (Dichloromethane)	ND	20.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	20.0
75-34-3	**1,1 - Dichloroethane**	**159**	20.0
78-93-3	2 -Butanone (MEK)	ND	200.0
156-59-2	cis - 1,2 - Dichloroethene	ND	20.0
74-97-5	Bromochloromethane	ND	20.0
67-66-3	Chloroform (Trichloromethane)	ND	20.0
594-20-7	2,2 - Dichloropropane	ND	20.0
71-55-6	**1,1,1 - Trichloroethane**	**50.8**	20.0
107-06-2	1,2 - Dichloroethane	ND	20.0
563-58-6	1,1 - Dichloropropene	ND	20.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	20.0
71-43-2	**Benzene**	**85.6**	20.0
74-95-3	Dibromomethane	ND	20.0
78-87-5	1,2 - Dichloropropane	ND	20.0
79-01-6	**Trichloroethene**	**45.6**	20.0
75-27-4	Bromodichloromethane	ND	20.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	20.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	20.0
79-00-5	1,1,2 - Trichloroethane	ND	20.0
108-88-3	**Toluene**	**138**	20.0
106-93-4	1,2 - Dibromoethane	ND	20.0
142-28-9	1,3 - Dichloropropane	ND	20.0
124-48-1	Dibromochloromethane	ND	20.0
127-18-4	**Tetrachloroethene**	**39.0**	20.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	20.0
108-90-7	Chlorobenzene	ND	20.0
100-41-4	**Ethylbenzene**	**920**	20.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**509**	40.0
75-25-2	Bromoform (Tribromomethane)	ND	20.0
100-42-5	Styrene (Ethenylbenzene)	ND	20.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**1,360**	20.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	20.0
96-18-4	1,2,3 - Trichloropropane	ND	20.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-12.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21971	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**590**	20.0
108-86-1	Bromobenzene	ND	20.0
103-65-1	**n - Propylbenzene**	**1,040**	20.0
95-49-8	2 - Chlorotoluene	ND	20.0
106-43-4	4 - Chlorotoluene	ND	20.0
108-67-8	1,3,5 - Trimethylbenzene	ND	20.0
98-06-6	tert - Butylbenzene	ND	20.0
95-63-6	**1,2,4 - Trimethylbenzene**	**1,940**	20.0
135-98-8	**sec - Butylbenzene**	**31.4**	20.0
541-73-1	1,3 - Dichlorobenzene	ND	20.0
106-46-7	1,4 - Dichlorobenzene	ND	20.0
99-87-6	**4-Isopropyltoluene**	**22.0**	20.0
95-50-1	1,2 - Dichlorobenzene	ND	20.0
104-51-8	**n - Butylbenzene**	**34.2**	20.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	100.0
120-82-1	1,2,4 - Trichlorobenzene	ND	20.0
91-20-3	**Naphthalene**	**392**	20.0
87-68-3	Hexachlorobutadiene	ND	20.0
87-61-6	1,2 3 - Trichlorobenzene	ND	20.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	943277	910392	104%	50 - 200 %
Fluorobenzene	2237672	2154957	104%	50 - 200 %
1,4 - Difluorobenzene	1763850	1708667	103%	50 - 200 %
Chlorobenzene - d5	1198186	1141957	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	443618	419220	106%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.96	99.6%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	9.77	97.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

duplicate
MW-12

Client:	**Western Water Consultants**		
Sample ID:	90125-A.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21989	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	10	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	10.0
74-87-3	Chloromethane	ND	10.0
75-01-4	Vinyl chloride (Chloroethene)	ND	10.0
74-83-9	Bromomethane	ND	10.0
75-00-3	Chloroethane	ND	10.0
75-69-4	Trichlorofluoromethane	ND	10.0
75-35-4	**1,1 - Dichloroethene**	**40.3**	10.0
75-09-2	Methylene chloride (Dichloromethane)	ND	10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	10.0
75-34-3	**1,1 - Dichloroethane**	**159**	10.0
78-93-3	2 -Butanone (MEK)	ND	100
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	ND	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	**1,1,1 - Trichloroethane**	**53.8**	10.0
107-06-2	1,2 - Dichloroethane	ND	10.0
563-58-6	1,1 - Dichloropropene	ND	10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	10.0
71-43-2	**Benzene**	**78.5**	10.0
74-95-3	Dibromomethane	ND	10.0
78-87-5	1,2 - Dichloropropane	ND	10.0
79-01-6	**Trichloroethene**	**47.0**	10.0
75-27-4	Bromodichloromethane	ND	10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	10.0
79-00-5	1,1,2 - Trichloroethane	ND	10.0
108-88-3	**Toluene**	**129**	10.0
106-93-4	1,2 - Dibromoethane	ND	10.0
142-28-9	1,3 - Dichloropropane	ND	10.0
124-48-1	Dibromochloromethane	ND	10.0
127-18-4	**Tetrachloroethene**	**39.1**	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	10.0
108-90-7	Chlorobenzene	ND	10.0
100-41-4	**Ethylbenzene**	**855**	10.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**537**	20.0
75-25-2	Bromoform (Tribromomethane)	ND	10.0
100-42-5	Styrene (Ethenylbenzene)	ND	10.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**1,300**	10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	10.0
96-18-4	1,2,3 - Trichloropropane	ND	10.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-A.4/97 duplicate mw-12	Date Analyzed:	04/11/97
Laboratory ID:	C97-21989	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**537**	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	**n - Propylbenzene**	**951**	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	**1,2,4 - Trimethylbenzene**	**1,850**	10.0
135-98-8	**sec - Butylbenzene**	**29.9**	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	**4-Isopropyltoluene**	**22.7**	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	**n - Butylbenzene**	**34.8**	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	**Naphthalene**	**350**	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	755516	910392	83.0%	50 - 200 %
Fluorobenzene	1845306	2154957	85.6%	50 - 200 %
1,4 - Difluorobenzene	1470198	1708667	86.0%	50 - 200 %
Chlorobenzene - d5	1002587	1141957	87.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	402136	419220	95.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-13.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21972	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.44**	**J**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**4.43**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.42**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**5.17**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**4.81**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-13	Date Sampled:	04/09/97
Sample ID:	90125-13.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21972	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**0.62**	**J**	1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		5.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	923612	910392	101%	50 - 200 %
Fluorobenzene	2196697	2154957	102%	50 - 200 %
1,4 - Difluorobenzene	1761854	1708667	103%	50 - 200 %
Chlorobenzene - d5	1200757	1141957	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	433142	419220	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.0	100%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.85	98.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.94	99.4%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

duplicate
MW-B

Client:	**Western Water Consultants**		
Sample ID:	90125-B.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21990	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.50**	**J**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**5.16**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.57**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**5.88**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**5.44**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-B.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21990	Date Reported:	April 17, 1997

Duplicate MW-13

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**0.71**	**J**	1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		5.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	736218	910392	80.9%	50 - 200 %
Fluorobenzene	1821384	2154957	84.5%	50 - 200 %
1,4 - Difluorobenzene	1447167	1708667	84.7%	50 - 200 %
Chlorobenzene - d5	983214	1141957	86.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	352280	419220	84.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	9.99	99.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants** MW-14		
Sample ID:	90125-14.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21973	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	5	Date Reported:	April 17, 1997
NOTE:	*Sample matrix interference, causing an increase in the limit of detection.*		

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	5.0
74-87-3	Chloromethane	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	5.0
74-83-9	Bromomethane	ND	5.0
75-00-3	Chloroethane	ND	5.0
75-69-4	Trichlorofluoromethane	ND	5.0
75-35-4	**1,1 - Dichloroethene**	**23.0**	5.0
75-09-2	Methylene chloride (Dichloromethane)	ND	5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.0
75-34-3	**1,1 - Dichloroethane**	**38.9**	5.0
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
67-66-3	Chloroform (Trichloromethane)	ND	5.0
594-20-7	2,2 - Dichloropropane	ND	5.0
71-55-6	1,1,1 - Trichloroethane	ND	5.0
107-06-2	1,2 - Dichloroethane	ND	5.0
563-58-6	1,1 - Dichloropropene	ND	5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.0
71-43-2	Benzene	ND	5.0
74-95-3	Dibromomethane	ND	5.0
78-87-5	1,2 - Dichloropropane	ND	5.0
79-01-6	Trichloroethene	ND	5.0
75-27-4	Bromodichloromethane	ND	5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.0
79-00-5	1,1,2 - Trichloroethane	ND	5.0
108-88-3	Toluene	ND	5.0
106-93-4	1,2 - Dibromoethane	ND	5.0
142-28-9	1,3 - Dichloropropane	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
127-18-4	**Tetrachloroethene**	**23.8**	5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
100-41-4	Ethylbenzene	ND	5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.0
100-42-5	Styrene (Ethenylbenzene)	ND	5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	5.0
96-18-4	1,2,3 - Trichloropropane	ND	5.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	Western Water Consultants	Date Sampled:	04/09/97
Sample ID:	90125-14.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21973	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	944920	910392	104%	50 - 200 %
Fluorobenzene	2225943	2154957	103%	50 - 200 %
1,4 - Difluorobenzene	1779771	1708667	104%	50 - 200 %
Chlorobenzene - d5	1187898	1141957	104%	50 - 200 %
1,4 - Dichlorobenzene - d4	423022	419220	101%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.89	98.9%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.80	98.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-15.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21974	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**1.76**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**11.8**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	**cis - 1,2 - Dichloroethene**	**1.02**		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.59**	**J**	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.63**	**J**	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**0.73**	**J**	1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-15.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21974	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	819765	910392	90.0%	50 - 200 %
Fluorobenzene	2029983	2154957	94.2%	50 - 200 %
1,4 - Difluorobenzene	1599699	1708667	93.6%	50 - 200 %
Chlorobenzene - d5	1081772	1141957	94.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	387250	419220	92.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromcfluorobenzene	9.86	98.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17A.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21975	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

MW-17A

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	**Vinyl chloride (Chloroethene)**	**0.81**	J	1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**51.2**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**64.8**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**7.51**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.92**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**6.53**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**50.5**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**51.4**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-17A.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21975	Date Reported:	April 17, 1997

MW-17A

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**3.00**	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**4.45**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	**4-Isopropyltoluene**	**2.37**	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	**Naphthalene**	**1.40**	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	798216	910392	87.7%	50 - 200 %
Fluorobenzene	1962815	2154957	91.1%	50 - 200 %
1,4 - Difluorobenzene	1559093	1708667	91.2%	50 - 200 %
Chlorobenzene - d5	1060164	1141957	92.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	390278	419220	93.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.95	99.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17B.4/97 MW-17B	Date Sampled:	04/09/97
Laboratory ID:	C97-21976	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**115**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**35.4**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**5.14**		2.0
107-06-2	**1,2 - Dichloroethane**	**0.98**	J	2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**4.10**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**21.0**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**132**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-17B.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21976	Date Reported:	April 17, 1997

MW-17B

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1054146	910392	116%	50 - 200 %
Fluorobenzene	2494016	2154957	116%	50 - 200 %
1,4 - Difluorobenzene	1949763	1708667	114%	50 - 200 %
Chlorobenzene - d5	1304575	1141957	114%	50 - 200 %
1,4 - Dichlorobenzene - d4	465379	419220	111%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.81	98.1%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.73	97.3%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.96	99.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17C.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21977	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

MW-17C

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	**Vinyl chloride (Chloroethene)**	**4.36**	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	**Chloroethane**	**2.86**	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**105**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**49.4**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	**cis - 1,2 - Dichloroethene**	**5.94**	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	**1,2 - Dichloroethane**	**2.40**	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**10.5**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**99.8**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**8.06**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-17C.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21977	Date Reported:	April 17, 1997

MW-17C

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND		2.0
108-86-1	Bromobenzene	ND		2.0
103-65-1	n - Propylbenzene	ND		2.0
95-49-8	2 - Chlorotoluene	ND		2.0
106-43-4	4 - Chlorotoluene	ND		2.0
108-67-8	1,3,5 - Trimethylbenzene	ND		2.0
98-06-6	tert - Butylbenzene	ND		2.0
95-63-6	**1,2,4 - Trimethylbenzene**	**2.38**		2.0
135-98-8	sec - Butylbenzene	ND		2.0
541-73-1	1,3 - Dichlorobenzene	ND		2.0
106-46-7	1,4 - Dichlorobenzene	ND		2.0
99-87-6	4-Isopropyltoluene	ND		2.0
95-50-1	1,2 - Dichlorobenzene	ND		2.0
104-51-8	n - Butylbenzene	ND		2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		10.0
120-82-1	1,2,4 - Trichlorobenzene	ND		2.0
91-20-3	**Naphthalene**	**1.04**	**J**	2.0
87-68-3	Hexachlorobutadiene	ND		2.0
87-61-6	1,2 3 - Trichlorobenzene	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	952861	910392	105%	50 - 200 %
Fluorobenzene	2259144	2154957	105%	50 - 200 %
1,4 - Difluorobenzene	1783674	1708667	104%	50 - 200 %
Chlorobenzene - d5	1196306	1141957	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	436527	419220	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.0	100%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.72	97.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.85	98.5%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17D.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21978	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**19.9**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**30.3**	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	**1,1,1 - Trichloroethane**	**2.93**	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**3.10**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**26.1**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**21.9**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-17D.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21978	Date Reported:	April 17, 1997

MW-17D

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**28.2**	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	**n - Propylbenzene**	**1.46**	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**11.5**	1.0
135-98-8	**sec - Butylbenzene**	**8.20**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	**4-Isopropyltoluene**	**1.79**	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	**Naphthalene**	**3.54**	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	681831	910392	74.9%	50 - 200 %
Fluorobenzene	1825698	2154957	84.7%	50 - 200 %
1,4 - Difluorobenzene	1438152	1708667	84.2%	50 - 200 %
Chlorobenzene - d5	982576	1141957	86.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	357138	419220	85.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.7	117%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.5	105%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-18.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21979	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	**Vinyl chloride (Chloroethene)**	**0.65**	J	1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**155**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**22.3**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.67**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.69**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**2.53**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**43.8**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**116**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-18.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21979	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	735654	910392	80.8%	50 - 200 %
Fluorobenzene	1873791	2154957	87.0%	50 - 200 %
1,4 - Difluorobenzene	1485371	1708667	86.9%	50 - 200 %
Chlorobenzene - d5	994320	1141957	87.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	347551	419220	82.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.99	99.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-19.4/97 MW-19
Laboratory ID: C97-21980
Matrix: Water
Dilution Factor: 1

Date Sampled: 04/09/97
Date Received: 04/11/97
Date Analyzed: 04/11/97
Date Reported: April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**116**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**10.3**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**0.69**	J	1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**2.17**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**4.21**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**86.7**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-19.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21980	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	759639	910392	83.4%	50 - 200 %
Fluorobenzene	1931493	2154957	89.6%	50 - 200 %
1,4 - Difluorobenzene	1535916	1708667	89.9%	50 - 200 %
Chlorobenzene - d5	1028789	1141957	90.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	367615	419220	87.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-20.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21981	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

MW-20

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants** MW-20	Date Sampled:	04/09/97
Sample ID:	90125-20.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21981	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	917201	910392	101%	50 - 200 %
Fluorobenzene	2165336	2154957	100%	50 - 200 %
1,4 - Difluorobenzene	1722693	1708667	101%	50 - 200 %
Chlorobenzene - d5	1154679	1141957	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	411485	419220	98.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.92	99.2%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.78	97.8%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.97	99.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-21.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21982	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**21.0**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**3.26**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**1.48**	J	2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**5.38**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**8.14**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-21.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21982	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	896365	910392	98.5%	50 - 200 %
Fluorobenzene	2118613	2154957	98.3%	50 - 200 %
1,4 - Difluorobenzene	1674266	1708667	98.0%	50 - 200 %
Chlorobenzene - d5	1121594	1141957	98.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	404969	419220	96.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.98	99.8%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.96	99.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-22.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21983	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

MW-22

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**84.4**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**14.3**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.72**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**13.3**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**20.5**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**80.1**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-22 Date Sampled: 04/09/97
Sample ID: 90125-22.4/97 Date Analyzed: 04/11/97
Laboratory ID: C97-21983 Date Reported: April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	779584	910392	85.6%	50 - 200 %
Fluorobenzene	2027637	2154957	94.1%	50 - 200 %
1,4 - Difluorobenzene	1602267	1708667	93.8%	50 - 200 %
Chlorobenzene - d5	1068035	1141957	93.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	374577	419220	89.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.97	99.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-23.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21984	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	2	Date Reported:	April 17, 1997

MW-23

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	1,1 - Dichloroethane	ND	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	Tetrachloroethene	ND	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-23.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21984	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	807409	910392	88.7%	50 - 200 %
Fluorobenzene	1936272	2154957	89.9%	50 - 200 %
1,4 - Difluorobenzene	1530559	1708667	89.6%	50 - 200 %
Chlorobenzene - d5	1039094	1141957	91.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	372962	419220	89.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.96	99.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-24.4/97 MW-24	Date Sampled:	04/09/97
Laboratory ID:	C97-21985	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-24.4/97 MW-24	Date Analyzed:	04/11/97
Laboratory ID:	C97-21985	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	739371	910392	81.2%	50 - 200 %
Fluorobenzene	1934486	2154957	89.8%	50 - 200 %
1,4 - Difluorobenzene	1516493	1708667	88.8%	50 - 200 %
Chlorobenzene - d5	1020637	1141957	89.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	354575	419220	84.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.4	114%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-25.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21986	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**34.5**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**15.1**		1.0
78-93-3	2 -Butanone (MEK)	ND		10
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.85**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**15.1**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**5.76**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**19.6**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-25.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21986	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	699402	910392	76.8%	50 - 200 %
Fluorobenzene	1789601	2154957	83.0%	50 - 200 %
1,4 - Difluorobenzene	1416085	1708667	82.9%	50 - 200 %
Chlorobenzene - d5	963933	1141957	84.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	341619	419220	81.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.92	99.2%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

duplicate of MW 25

Client:	Western Water Consultants		
Sample ID:	90125-C.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21991	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**33.6**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**14.6**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.78**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**14.4**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**5.41**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**19.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	04/09/97
Sample ID:	90125-C.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21991	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	784783	910392	86.2%	50 - 200 %
Fluorobenzene	2059151	2154957	95.6%	50 - 200 %
1,4 - Difluorobenzene	1621112	1708667	94.9%	50 - 200 %
Chlorobenzene - d5	1079982	1141957	94.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	379610	419220	90.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.94	99.4%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-26.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21987	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	Western Water Consultants	Date Sampled:	04/09/97
Sample ID:	90125-26.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21987	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	747091	910392	82.1%	50 - 200 %
Fluorobenzene	1920244	2154957	89.1%	50 - 200 %
1,4 - Difluorobenzene	1512379	1708667	88.5%	50 - 200 %
Chlorobenzene - d5	1016027	1141957	89.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	350660	419220	83.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	Western Water Consultants		
Sample ID:	90125-27.4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21988	Date Received:	04/11/97
Matrix:	Water	Date Analyzed:	04/11/97
Dilution Factor:	1	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	Western Water Consultants	Date Sampled:	04/09/97
Sample ID:	90125-27.4/97	Date Analyzed:	04/11/97
Laboratory ID:	C97-21988	Date Reported:	April 17, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	736278	910392	80.9%	50 - 200 %
Fluorobenzene	1810189	2154957	84.0%	50 - 200 %
1,4 - Difluorobenzene	1433078	1708667	83.9%	50 - 200 %
Chlorobenzene - d5	970841	1141957	85.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	342199	419220	81.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_21960.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125TW. 4/97	Date Sampled:	04/09/97
Laboratory ID:	C97-21906	Date Received:	04/10/97
Matrix:	Air	Date Analyzed:	04/10/97
Dilution Factor:	1	Date Reported:	April 15, 1997

Truck Wash
Composite all zones

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)		LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	1,1 - Dichloroethane	ND		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**1.19**	**J**	2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**2.56**		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125TW. 4/97
Laboratory ID: C97-21906

Truck Wash Composite all zones

Date Sampled: 04/09/97
Date Analyzed: 04/10/97
Date Reported: April 15, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	**1,3,5 - Trimethylbenzene**	**1.86**	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**4.02**	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	796255	909039	87.6%	50 - 200 %
Fluorobenzene	1957676	2164375	90.4%	50 - 200 %
1,4 - Difluorobenzene	1539871	1729362	89.0%	50 - 200 %
Chlorobenzene - d5	1080811	1182314	91.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	429589	446847	96.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.3	113%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

ENERGY LABORATORIES, INC.
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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125MS. 4/97
Laboratory ID: C97-21907
Matrix: Air
Dilution Factor: 1

Maintenance shop composite all zones

Date Sampled: 04/09/97
Date Received: 04/10/97
Date Analyzed: 04/10/97
Date Reported: April 15, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)		LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	1,1 - Dichloroethane	ND		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**0.46**	**J**	1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125MS. 4/97
Laboratory ID: C97-21907

Maintenance shop composite all zones

Date Sampled: 04/09/97
Date Analyzed: 04/10/97
Date Reported: April 15, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	852790	909039	93.8%	50 - 200 %
Fluorobenzene	2128180	2164375	98.3%	50 - 200 %
1,4 - Difluorobenzene	1651072	1729362	95.5%	50 - 200 %
Chlorobenzene - d5	1170946	1182314	99.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	451581	446847	101%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

Schlumberger Oilfield Services

Oilfield Services Shared Resources

John A. Miller
Remediation Manager

File Copy

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APR 28 1997
Environmental Bureau
Oil Conservation Division

April 18, 1997

Mr. Patricio W. Sanchez
Petroleum Engineering Specialist
Environmental Bureau
New Mexico Oil Conservation division
2040 S. Pacheco
Santa Fe, New Mexico 87505

APR 23 1997

Re: Results of Additional Investigation Fieldwork at the Dowell, a division of Schlumberger Technology Corporation, Facility (Dowell) in Artesia, New Mexico

Dear Pat:

This letter presents the results of additional investigation fieldwork performed at the Dowell, facility in Artesia, New Mexico. Authorization for the fieldwork was granted by the New Mexico Oil Conservation Division (NMOCD) per a letter to Dowell dated February 4, 1997. The following is a brief summary of the fieldwork performed and proposed additional fieldwork.

1.0 MONITORING WELL INSTALLATION

On March 3, 1997, Western Water Consultants, Inc. (WWC) supervised the drilling and installation of 3 two-inch diameter monitoring wells (MW-25) to MW-27) with an air rotary drill rig (Figure 1-1). Lithology encountered during drilling was consistent with what was observed in other areas of the site. The monitoring wells were completed and developed according to NMOCD guidelines. The top of casing elevations were surveyed using an arbitrary benchmark of 100 feet. Well completion and lithologic logs are provided as enclosures.

2.0 GROUND-WATER MONITORING

Ground-water samples were collected from MW-21 and MW-23 in addition to the three new monitoring wells according to WWC protocol. Ground-water samples were analyzed for volatile organic compounds by EPA Method 8260 and are presented on Table 1. Laboratory data sheets for the samples are included as enclosures.

P.O. Box 2727, Houston, Texas 77252-2727
300 Schlumberger Drive, Sugar Land, Texas 77478
(281) 285-8498 (281) 285-8526 (fax)

3. PROPOSED FUTURE FIELDWORK

Dowell is proposing to resample the three newly installed wells along with the other wells at the facility during the second quarter sampling even to confirm the initial results. Upon review of the next round of water quality data, Dowell will submit to the NMOCD another report including its proposal for further fieldwork.

If you have any questions concerning this report, please call me at 281-285-8498.

Sincerely,

John A. Miller

JAM:slw
Via 2-day Fed-Ex

Enclosures
cc: WWC

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	0.064	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
*	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
*	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.088
dup. *	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
*	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
*	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.650	8.600	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)
	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011
	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.066	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
*	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025
	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.006
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220
	10/22/96	ND(0.010)	ND((0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.006
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-8 Cont.	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.008	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
MW-10	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0009J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
*	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
*	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.063	0.330
dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
*	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
*	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
MW-12	01/26/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.061
*	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
*	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033
*	07/20/94	0.160	0.720	0.071	0.610	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
*	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.098	0.059
*	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
*	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
*	04/13/96	0.098	0.620	0.180	0.690	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-13 Cont.	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.061
dup.	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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
•	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.064
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.086
*	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.065
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280
	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0006J	0.180	0.002	ND(0.001)	0.047	0.097

TABLE 1. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.006
	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.063	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.065	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030
MW-26	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
duplicate	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-27	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

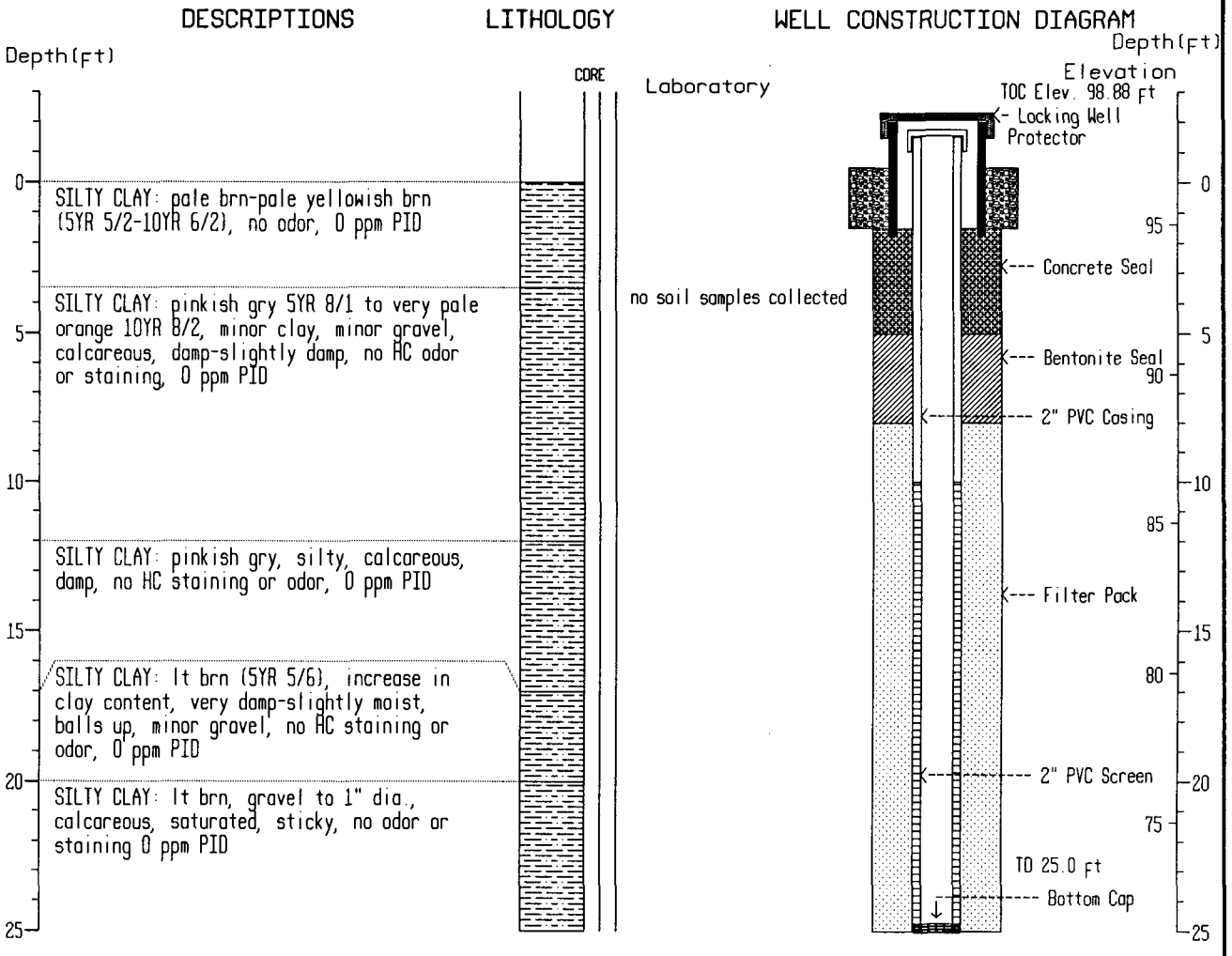
NOTES:
mg/L = milligrams per liter (equivalent to parts per million)
dup. = duplicate sample
ND(0.001) = chemical not detected at concentration above detection limit shown in parentheses
J = chemical detected at concentration above instrument detection limit but below method detection limit
* = other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

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

MONITORING WELL MW-25

LOCATION: Dowell Schlumberger, Artesia, New Mexico
North of MW-22
T17S, R26E, Sec 4, SE 1/4, SW 1/4
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5.0" OD
CASING: 2" Dia. Flush Joint Sch. 40 PVC
SCREEN: Slotted Casing; 0.020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)

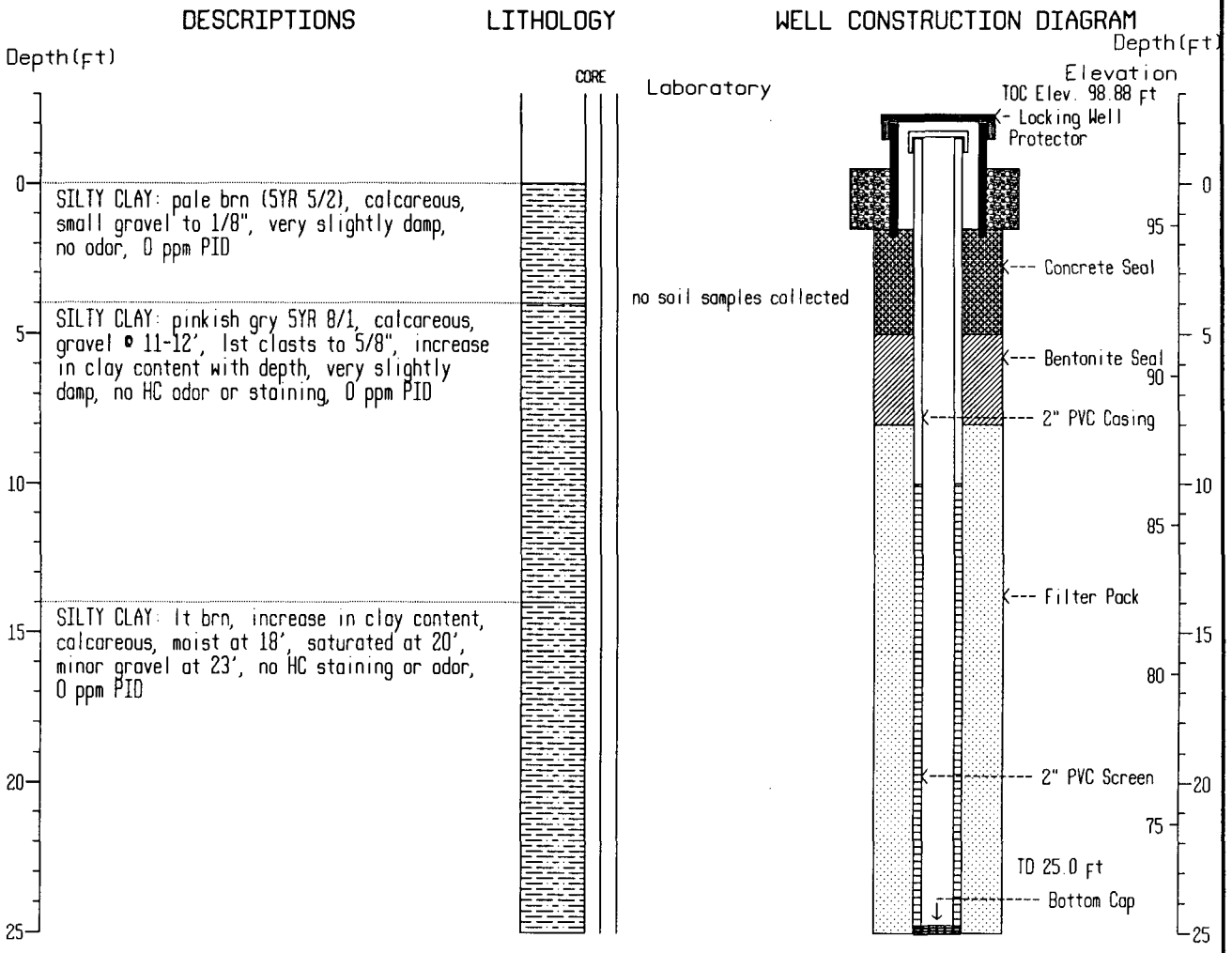


Western Water Consultants, Inc.

MONITORING WELL MW-26

LOCATION: Dowell Schlumberger, Artesia, New Mexico
Very northeast corner of property
T17S, R26E, Sec 4, SE 1/4, SW 1/4
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5.0" OD
CASING: 2" Dia. Flush Joint Sch. 40 PVC
SCREEN: Slotted Casing; 0.020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)



Western Water Consultants, Inc.

MONITORING WELL MW-27

LOCATION: Dowell Schlumberger, Artesia, New Mexico
Along the east property line near the northeast corner
T17S, R26E, Sec 4, SE 1/4, SW 1/4
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5.0" OD
CASING: 2" Dia. Flush Joint Sch. 40 PVC
SCREEN: Slotted Casing; 0.020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)

DESCRIPTIONS

Depth(Ft)

0
SILTY CLAY: dark brn soil, very slightly damp, no odor, 0 ppm PID

SILTY CLAY: pinkish gry 5YR 8/1, calcareous, very slightly damp, no HC odor or staining, 0 ppm PID

5

SILTY CLAY: lt brn, calcareous, damp, no HC staining or odor, 0 ppm PID

SILTY CLAY: pinkish gry (5YR 8/1), calcareous, easy drilling, damp, no HC staining or odor, 0 ppm PID

10

SILTY CLAY: lt brn, calcareous, no odor or staining 0 ppm PID

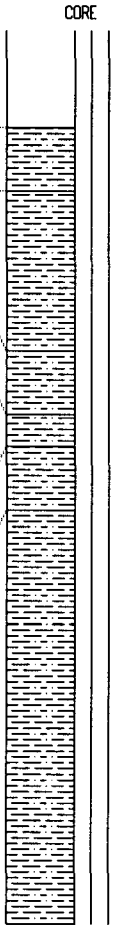
SILTY CLAY: pinkish gry, calcareous, damp, easy drilling, moist and balls up @ 18', darker gry and saturated @ 20', no staining or odor, 0 ppm PID

15

20

25

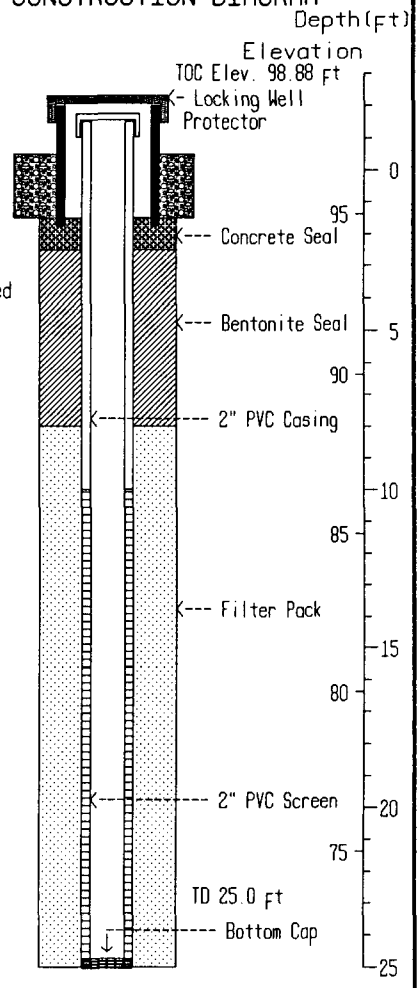
LITHOLOGY



Laboratory

no soil samples collected

WELL CONSTRUCTION DIAGRAM



Western Water Consultants, Inc.

ENERGY LABORATORIES, INC.
SHIPPING: 2393 SALT CREEK HIGHWAY • CASPER, WY 82601
MAILING: P.O. BOX 3258 • CASPER, WY 82602
E-mail: energy@trib.com • FAX: (307) 234 - 1639 • PHONE: (307) 235 - 0515 • TOLL FREE: (888) 235 - 0515

EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-21.3/97 MW-21	Date Sampled:	03/04/97
Laboratory ID:	C97-16496	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**24.5**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**3.95**	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**2.49**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**6.75**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**11.3**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	03/04/97
Sample ID:	90125-21.3/97 MW-21	Date Analyzed:	03/10/97
Laboratory ID:	C97-16496	Date Reported:	March 14, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1393274	1524874	91.4%	50 - 200 %
Fluorobenzene	2568639	2815522	91.2%	50 - 200 %
1,4 - Difluorobenzene	2111253	2304704	91.6%	50 - 200 %
Chlorobenzene - d5	1555679	1638427	94.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	724895	740805	97.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.0	100%	86 - 118 %
Toluene - d8	9.90	99.0%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.93	99.3%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-23.3/97	Date Sampled:	03/04/97
Laboratory ID:	C97-16501	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

MW-23

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	03/04/97
Sample ID:	90125-23.3/97 mw-23	Date Analyzed:	03/10/97
Laboratory ID:	C97-16501	Date Reported:	March 14, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1166845	1524874	76.5%	50 - 200 %
Fluorobenzene	2528364	2815522	89.8%	50 - 200 %
1,4 - Difluorobenzene	2064564	2304704	89.6%	50 - 200 %
Chlorobenzene - d5	1450860	1638427	88.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	622669	740805	84.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.5	115%	86 - 118 %
Toluene - d8	9.64	96.4%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-25.3/97 MW-25	Date Sampled:	03/04/97
Laboratory ID:	C97-16497	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**34.6**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**14.4**	1.0
78-93-3	2 -Butanone (MEK)	ND	10
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	**1,2 - Dichloroethane**	**1.30**	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**21.4**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**30.4**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	03/04/97
Sample ID:	90125-25.3/97 MW-25	Date Analyzed:	03/10/97
Laboratory ID:	C97-16497	Date Reported:	March 14, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

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RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	**AREA**	**ICAL / CCAL AREA**	**PERCENT RECOVERY**	**ACCEPTANCE RANGE**
Pentafluorobenzene	1344449	1524874	88.2%	50 - 200 %
Fluorobenzene	2570129	2815522	91.3%	50 - 200 %
1,4 - Difluorobenzene	2109250	2304704	91.5%	50 - 200 %
Chlorobenzene - d5	1562824	1638427	95.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	733882	740805	99.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	**CONCENTRATION**	**PERCENT RECOVERY**	**ACCEPTANCE RANGE**
Dibromofluoromethane	10.42	104%	86 - 118 %
Toluene - d8	9.98	99.8%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-26.3/97	Date Sampled:	03/04/97
Laboratory ID:	C97-16499	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

MW-26

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-26.3/97
Laboratory ID: C97-16499

MW-26

Date Sampled: 03/04/97
Date Analyzed: 03/10/97
Date Reported: March 14, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1322427	1524874	86.7%	50 - 200 %
Fluorobenzene	2586797	2815522	91.9%	50 - 200 %
1,4 - Difluorobenzene	2133103	2304704	92.6%	50 - 200 %
Chlorobenzene - d5	1570984	1638427	95.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	717586	740805	96.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.8	108%	86 - 118 %
Toluene - d8	9.97	99.7%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\16496.xls

Reviewed: sec

ENERGY LABORATORIES, INC.
SHIPPING: 2393 SALT CREEK HIGHWAY • CASPER, WY 82601
MAILING: P.O. BOX 3258 • CASPER, WY 82602
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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-A.3/97	Date Sampled:	03/04/97
Laboratory ID:	C97-16498	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

Duplicate of MW-26

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-A.3/97
Laboratory ID: C97-16498

Duplicate of MW-26

Date Sampled: 03/04/97
Date Analyzed: 03/10/97
Date Reported: March 14, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1148787	1524874	75.3%	50 - 200 %
Fluorobenzene	2394257	2815522	85.0%	50 - 200 %
1,4 - Difluorobenzene	1948186	2304704	84.5%	50 - 200 %
Chlorobenzene - d5	1444046	1638427	88.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	636491	740805	85.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.4	114%	86 - 118 %
Toluene - d8	9.95	99.5%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw
Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\16496.xls
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-27.3/97 MW-27	Date Sampled:	03/04/97
Laboratory ID:	C97-16500	Date Received:	03/07/97
Matrix:	Water	Date Analyzed:	03/10/97
Dilution Factor:	1	Date Reported:	March 14, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	03/04/97
Sample ID:	90125-27.3/97 MW-27	Date Analyzed:	03/10/97
Laboratory ID:	C97-16500	Date Reported:	March 14, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1134496	1524874	74.4%	50 - 200 %
Fluorobenzene	2492716	2815522	88.5%	50 - 200 %
1,4 - Difluorobenzene	2014006	2304704	87.4%	50 - 200 %
Chlorobenzene - d5	1460209	1638427	89.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	634331	740805	85.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.5	115%	86 - 118 %
Toluene - d8	9.90	99.0%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

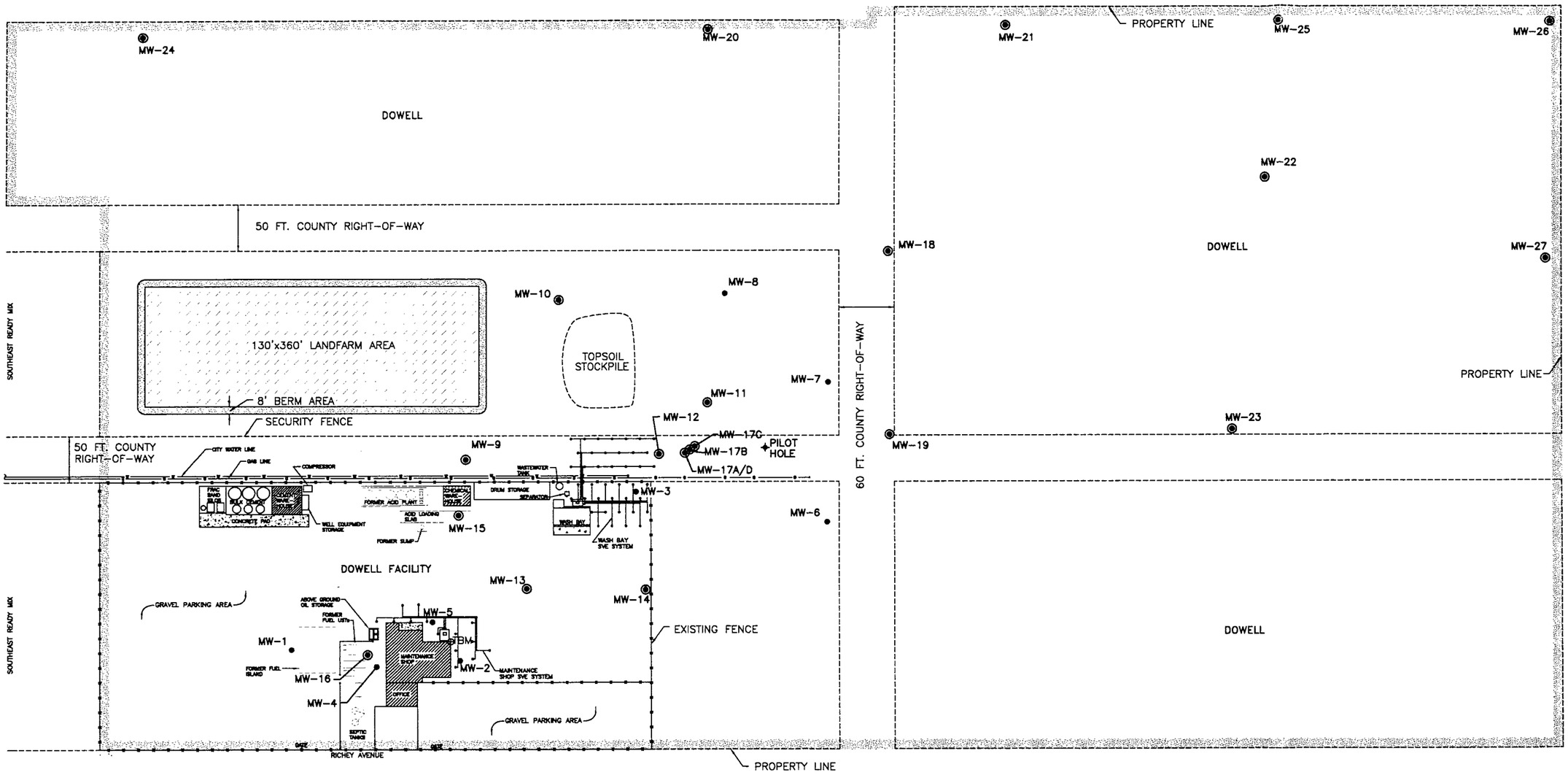
Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\16496.xls

Reviewed: sec

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EXPLANATION

MW-12	WWC MONITORING WELL LOCATION AND IDENTIFICATION
MW-6	REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION
TBM	TEMPORARY BENCH MARK
	AIR PIPING
	SVE EXTRACTION WELL

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 1-1

SITE MAP

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc.

Schlumberger Oilfield Services

File copy

Oilfield Services Shared Resources

John A. Miller
Remediation Manager

APR - 1 1997
CONSERVATION DIVISION

Via Fedex

March 31, 1997

Mr. Pat Sanchez
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Quarterly Monitoring Report for the Dowell, a division of Schlumberger Technology Corporation, (Dowell) facility, Artesia, New Mexico.

Dear Mr. Sanchez:

Enclosed are the results for the first quarter ground-water and air quality monitoring for 1997 at the Dowell facility in Artesia, New Mexico. Included with this document are site and potientiometric surface maps (Figures 1 and 2); static water level, air and water quality tables (Tables 1, 2, and 3), and laboratory data sheets.

Three additional monitoring wells were installed March 3 - 4, 1997 and ground-water samples collected. The results of these samples are not yet available and will be submitted in a separate report.

The second quarter monitoring event is scheduled for April 7 - 9, 1997. If you have questions please feel free to contact me at (281) 285-8498.

Sincerely,

John A. Miller
Remediation Manager

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Oil Conservation Division

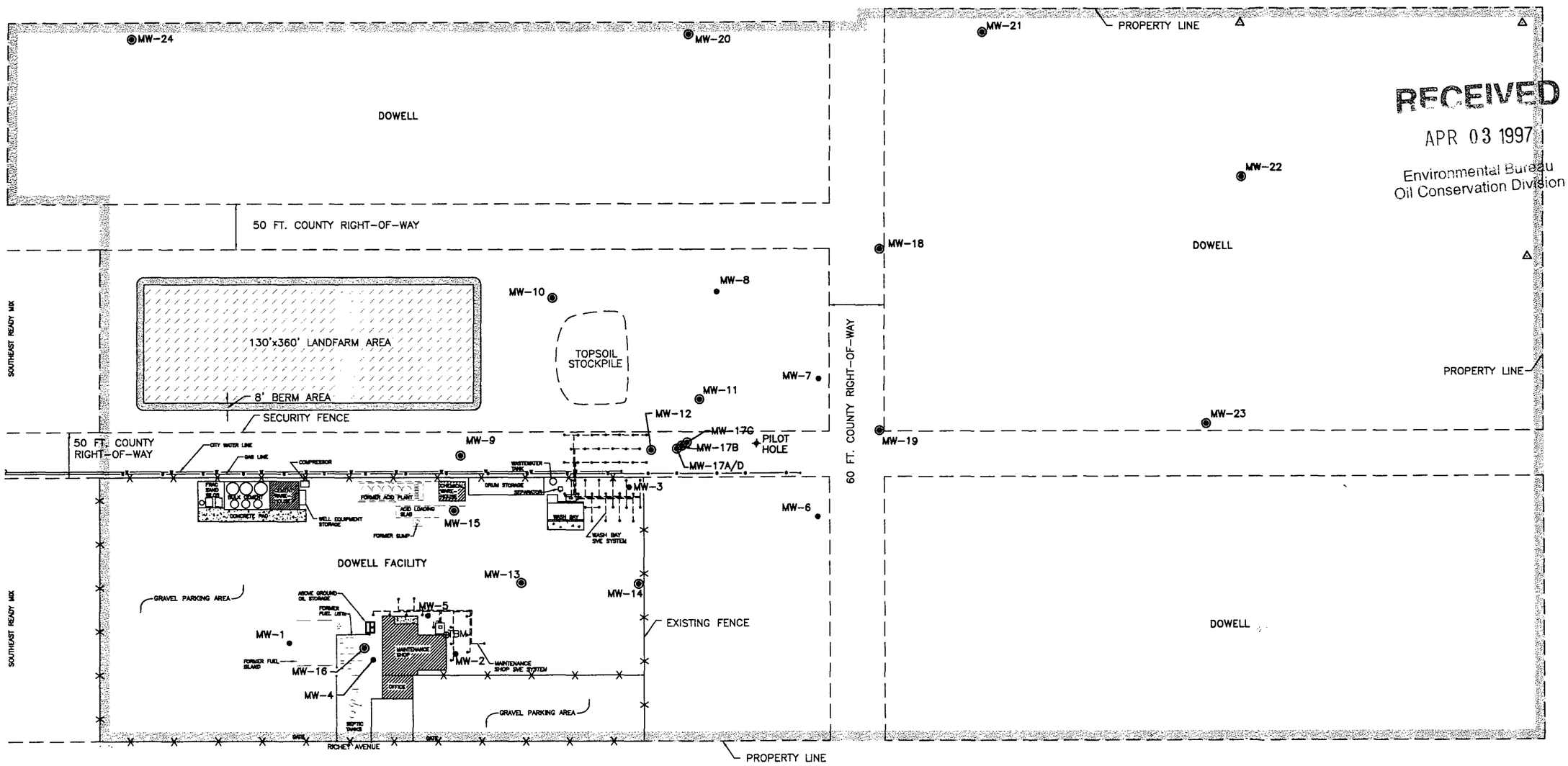
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enc.

cc: WWC, Laramie (w/o encl.)

P.O. Box 2727, Houston, Texas 77252-2727
300 Schlumberger Drive, Sugar Land, Texas 77478
(281) 285-8498 (281) 285-8526 (fax)

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Environmental Bureau
Oil Conservation Division

EXPLANATION

MW-12	WWC MONITORING WELL LOCATION AND IDENTIFICATION
MW-6	REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION
TBM	TEMPORARY BENCH MARK
- - - - - - -	AIR PIPING
•	SVE EXTRACTION WELL
△	PROPOSED WELL LOCATIONS

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

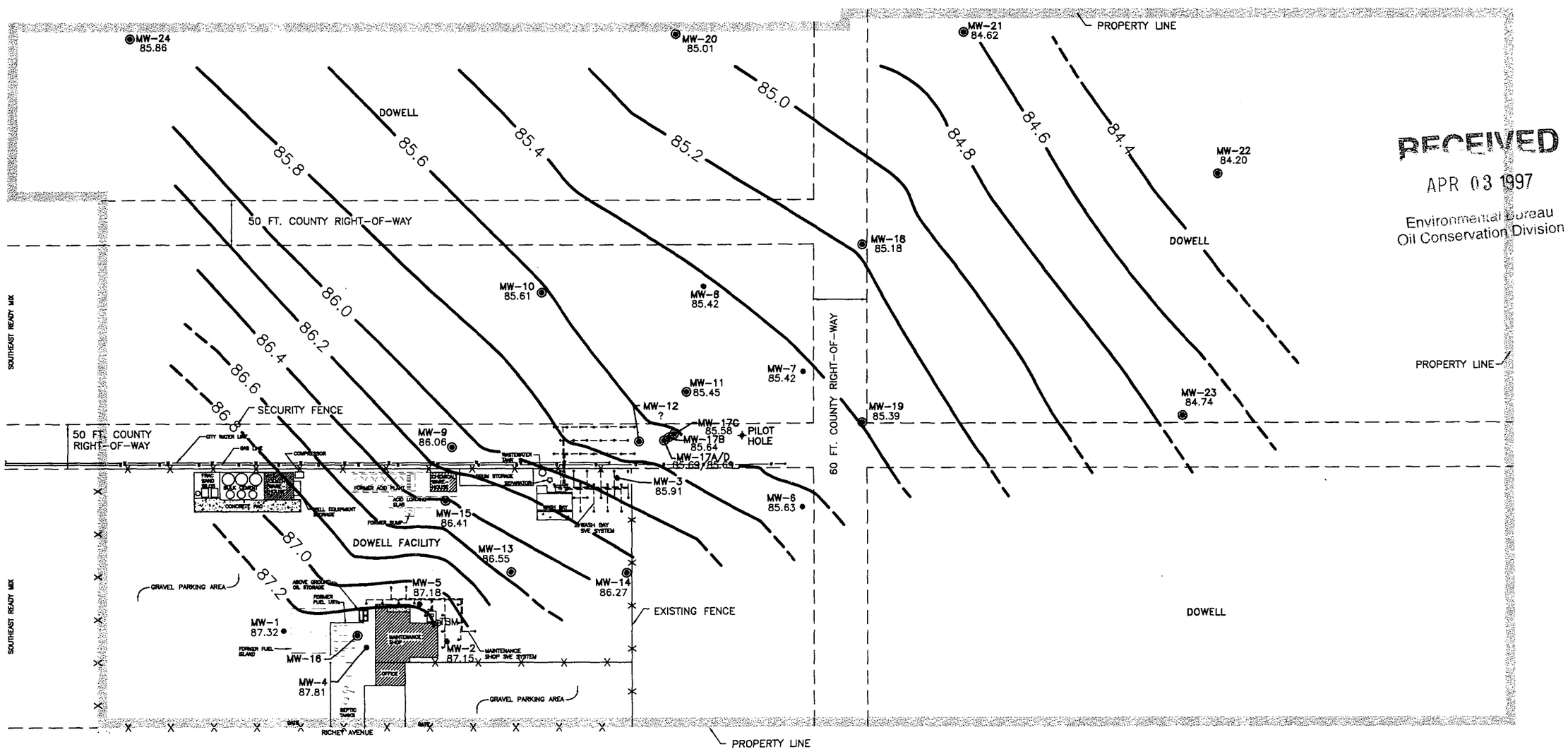
FIGURE 1

SITE MAP

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc.

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EXPLANATION

- MW-12 / ? — WWC MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- MW-6 / 85.22 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- TBM — TEMPORARY BENCH MARK
- -83.00- — POTENTIOMETRIC SURFACE CONTOUR
- ------- — AIR PIPING
- • — SVE EXTRACTION WELL

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 2

POTENTIOMETRIC SURFACE
(JANUARY 21, 1997)

DOWELL, A DIVISION OF SCHLUMBERGER
TECHNOLOGY CORPORATION
ARTESIA, NM

Western Water Consultants, Inc.

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94				NM	NM	NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25
	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80
	01/21/97				15.37	87.81	0.91
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-5 Cont.	03/16/93				13.47	86.40	0.72
	01/09/94				14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20
	04/19/94				17.05	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30
	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-9 Cont.	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20
	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69
	01/21/97				15.15	85.45	0.37
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03
	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67
	01/21/97				15.04	85.65	0.44
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-13 Cont.	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
**	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08
	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03
	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68
	01/21/97				14.88	85.69	0.42
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-17C Cont.	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet. Benchmark is located on the concrete right up against the east shop wall, at the northeast corner of the shop.

** = water level measurement may be in error

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	0.064	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
*	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
*	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.088
dup. *	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
*	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
*	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.650	8.600	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)
	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011
	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.066	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
*	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025
	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.006
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220
	10/22/96	ND(0.010)	ND((0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.006
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-8 Cont.	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.008	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
MW-10	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0009J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
*	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
*	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.063	0.330
dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
*	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
*	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
MW-12	01/26/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.061
*	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
*	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033
*	07/20/94	0.160	0.720	0.071	0.610	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
*	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.098	0.059
*	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
*	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
*	04/13/96	0.098	0.620	0.180	0.690	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-13 Cont.	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.061
dup.	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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
	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.064
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.086
*	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.065
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280
	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0006J	0.180	0.002	ND(0.001)	0.047	0.097

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.006
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.063	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.065	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

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

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

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	7.00
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.40
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	3.00
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)	1.90
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
*	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20	NA
	10/18/95	ND(0.2)	2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00	ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20	1.80
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60	ND(1)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10	2.50
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00	ND(1)
*	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07	ND(0.04)
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68	ND(0.2)
	10/18/95	ND(0.2)	2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
WB-1	02/10/94	ND(1)	3.57	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)	ND(2)
	02/16/94	ND(1)	1.20	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50	9.10
	02/23/94	ND(0.5)	2.20	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.60	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.60	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60	4.10
	03/18/94	ND(0.5)	14.60	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)	21.30
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	4.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)	1.20

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
WB-1 Cont.	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00	ND(1)
	07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	ND(0.001)	0.19	0.14	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04	NA
	01/25/95	ND(0.04)	0.16	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28	ND(0.2)
WB-2	02/10/94	1.67	5.03	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3.00	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50	6.70
	02/23/94	1.40	9.30	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.30	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.40	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	26.70
	03/18/94	0.70	4.80	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	18.70
	03/28/94	ND(0.5)	1.90	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.10	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	4.10	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	1.60
	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.28
*	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23	NA
	01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
WB-3	02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	ND(2)
	02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60	1.40
	03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)	3.80
	03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)	46.40
	03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)	13.30
	05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	NA
	01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37	ND(0.04)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-BUTANONE (mg/m3)
WB-3 Cont.	05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)
WB-N1	05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	ND(0.2)
WB-N2	05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	ND(0.2)
WB-N3	05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	ND(0.2)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38	ND(0.2)
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	NA
	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.
During and after January 1995, the laboratory analytical method used was EPA Method 8260.
See laboratory reports for concentrations of additional analytes.
In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:
mg/m3 = milligrams per cubic meter
* = units reported as "ppm" or "mg/L". Detection limit may be incorrect.
J = chemical present above instrument detection limit but below method detection limit
NA = not analyzed
MS = maintenance shop SVE system
WB = wash bay SVE system
WB-N1 = north subzone of Wash Bay Zone 1
WB-N2 = north subzone of Wash Bay Zone 2
WB-N3 = north subzone of Wash Bay Zone 3
WB-COMP = composite sample from Wash Bay Zones 1, 2, and 3

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

AP-TRSIA-

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EPA METHOD 8260

mw-1

Client:	**Western Water Consultants**		
Sample ID:	90125-1.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11665	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	1,1 - Dichloroethane	ND		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.8**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	**Ethylbenzene**	**0.5**	**J**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-1

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-1.1/97
Laboratory ID: C97 - 11665

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	180034	163828	110%	50 - 200 %
Chlorobenzene - d5	124250	121064	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	37910	35513	107%	50 - 200 %
Bromochloromethane - d2	7332	6721	109%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.09	90.9%	80 - 120 %
Toluene - d8	9.93	99.3%	88 - 110 %
4 - Bromofluorobenzene	9.51	95.1%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

mw-2

Client:	**Western Water Consultants**		
Sample ID:	90125-2.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11666	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**2.0**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**12.0**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**3.2**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**24.0**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	**Ethylbenzene**	**18.0**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-2

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-2.1/97	Date Analyzed:	02/06/97
Laboratory ID:	C97 - 11666	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*		*LIMIT OF DETECTION (µg/L)*
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**4.5**		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	**n - Propylbenzene**	**6.2**		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**22.0**		1.0
135-98-8	**sec - Butylbenzene**	**5.8**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	**4-Isopropyltoluene**	**0.6**	J	1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	**n - Butylbenzene**	**2.3**		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173633	179348	96.8%	50 - 200 %
Chlorobenzene - d5	119160	120859	98.6%	50 - 200 %
1,2 - Dichlorobenzene - d4	36495	38069	95.9%	50 - 200 %
Bromochloromethane - d2	8425	7895	107%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	8.36	83.6%	80 - 120 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.46	94.6%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

MW-3

Client:	**Western Water Consultants**		
Sample ID:	90125-3.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11667	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	10	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**43.0**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**77.0**		10.0
156-59-2	**cis - 1,2 - Dichloroethene**	**3.5**	J	10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**48.0**		10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**70.0**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	**Toluene**	**12.0**		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**7.4**	J	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	**Ethylbenzene**	**269**		10.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**311**		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**575**		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-3

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-3.1/97
Laboratory ID: C97 - 11667

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**144**		10.0
108-86-1	Bromobenzene	ND		10.0
103-65-1	**n - Propylbenzene**	**257**		10.0
95-49-8	2 - Chlorotoluene	ND		10.0
106-43-4	4 - Chlorotoluene	ND		10.0
108-67-8	**1,3,5 - Trimethylbenzene**	**197**		10.0
98-06-6	tert - Butylbenzene	ND		10.0
95-63-6	**1,2,4 - Trimethylbenzene**	**945**		10.0
135-98-8	**sec - Butylbenzene**	**9.4**	J	10.0
541-73-1	1,3 - Dichlorobenzene	ND		10.0
106-46-7	1,4 - Dichlorobenzene	ND		10.0
99-87-6	**4-Isopropyltoluene**	**5.6**	J	10.0
95-50-1	1,2 - Dichlorobenzene	ND		10.0
104-51-8	n - Butylbenzene	ND		10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		10.0
91-20-3	**Naphthalene**	**150**		10.0
87-68-3	Hexachlorobutadiene	ND		10.0
87-61-6	1,2 3 - Trichlorobenzene	ND		10.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	6884409	6541350	105%	50 - 200 %
Chlorobenzene - d5	1131859	1091449	104%	50 - 200 %
1,2 - Dichlorobenzene - d4	4912393	4616557	106%	50 - 200 %
Bromochloromethane - d2	352419	328703	107%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	8.52	85.2%	80 - 120 %
Toluene - d8	9.83	98.3%	88 - 110 %
4 - Bromofluorobenzene	11.0	110%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

mw-4

Client:	**Western Water Consultants**		
Sample ID:	90125-4.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11668	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-4

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-4.1/97	Date Analyzed:	02/06/97
Laboratory ID:	C97 - 11668	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.4**	**J**	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	**n - Propylbenzene**	**0.9**	**J**	1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**1.8**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	6658397	6541350	102%	50 - 200 %
Chlorobenzene - d5	1088924	1091449	99.8%	50 - 200 %
1,2 - Dichlorobenzene - d4	4604294	4616557	99.7%	50 - 200 %
Bromochloromethane - d2	325576	328703	99.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.61	96.1%	80 - 120 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	11.3	113%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

mw-5

Client:	**Western Water Consultants**		
Sample ID:	90125-5.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11669	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**2.0**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**31.0**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**2.6**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**19.0**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	**Ethylbenzene**	**25.0**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-5

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-5.1/97
Laboratory ID: C97 - 11669

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**2.7**	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	**n - Propylbenzene**	**4.6**	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**3.6**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	6280164	6541350	96.0%	50 - 200 %
Chlorobenzene - d5	1103361	1091449	101%	50 - 200 %
1,2 - Dichlorobenzene - d4	4815654	4616557	104%	50 - 200 %
Bromochloromethane - d2	347678	328703	106%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.67	96.7%	80 - 120 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	11.1	111%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-6

Client: **Western Water Consultants**
Sample ID: 90125-6.1/97
Laboratory ID: C97 - 11670
Matrix: Water
Dilution Factor: 1

Date Sampled: 01/24/97
Date Received: 01/28/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**25.0**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**10.0**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**5.8**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection
J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-6

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-6.1/97
Laboratory ID: C97 - 11670

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173028	163828	106%	50 - 200 %
Chlorobenzene - d5	118318	121064	97.7%	50 - 200 %
1,2 - Dichlorobenzene - d4	35182	35513	99.1%	50 - 200 %
Bromochloromethane - d2	7260	6721	108%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.45	94.5%	80 - 120 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

mw-7

Client:	**Western Water Consultants**		
Sample ID:	90125-7.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11671	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**244**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**21.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	**Chloroform (Trichloromethane)**	**0.5**	J	1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.5**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.6**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**4.8**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**19.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**203**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-7

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-7.1/97	Date Analyzed:	02/05/97
Laboratory ID:	C97 - 11671	Date Reported:	February 21, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	170339	163828	104%	50 - 200 %
Chlorobenzene - d5	122582	121064	101%	50 - 200 %
1,2 - Dichlorobenzene - d4	38434	35513	108%	50 - 200 %
Bromochloromethane - d2	7504	6721	112%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	10.1	101%	80 - 120 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.41	94.1%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

mw-8

Client:	**Western Water Consultants**		
Sample ID:	90125-8.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11672	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**81.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**19.0**		1.0
156-59-2	**cis - 1,2 - Dichloroethene**	**0.6**	J	1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.5**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.6**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.8**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**17.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**18.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-8

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-8.1/97
Laboratory ID: C97 - 11672

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	176748	163828	108%	50 - 200 %
Chlorobenzene - d5	123261	121064	101.8%	50 - 200 %
1,2 - Dichlorobenzene - d4	39921	35513	112.4%	50 - 200 %
Bromochloromethane - d2	7558	6721	112.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.84	98.4%	80 - 120 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.23	92.3%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
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EPA METHOD 8260

mw-9

Client:	**Western Water Consultants**		
Sample ID:	90125-9.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11673	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	**Chloroethane**	**1.2**		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**1.8**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**19.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.4**	**J**	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.7**	**J**	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**1.5**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**0.9**	**J**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	**Chlorobenzene**	**1.2**		1.0
100-41-4	**Ethylbenzene**	**0.4**	**J**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-9

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-9.1/97
Laboratory ID: C97 - 11673

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.7**	J	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**5.1**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	**n - Butylbenzene**	**12.0**		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	181497	179348	101%	50 - 200 %
Chlorobenzene - d5	125500	120859	103.8%	50 - 200 %
1,2 - Dichlorobenzene - d4	38403	38069	100.9%	50 - 200 %
Bromochloromethane - d2	7402	7895	93.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.14	91.4%	80 - 120 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.86	98.6%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: ELIB - raf
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EPA METHOD 8260

mw-10

Client:	**Western Water Consultants**		
Sample ID:	90125-10.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11674	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**181**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**0.9**	J	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**5.2**		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-10

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-10.1/97
Laboratory ID: C97 - 11674

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	171502	163828	105%	50 - 200 %
Chlorobenzene - d5	120929	121064	99.9%	50 - 200 %
1,2 - Dichlorobenzene - d4	35996	35513	101%	50 - 200 %
Bromochloromethane - d2	7465	6721	111%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.89	98.9%	80 - 120 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-11

Client:	**Western Water Consultants**		
Sample ID:	90125-11.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11675	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**157**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**29**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	**Chloroform (Trichloromethane)**	**0.8**	J	1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**8.4**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.7**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**2.3**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**26.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**212**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-11

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-11.1/97
Laboratory ID: C97 - 11675

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**1.1**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173158	163828	106%	50 - 200 %
Chlorobenzene - d5	124596	121064	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	41751	35513	118%	50 - 200 %
Bromochloromethane - d2	8365	6721	124%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	10.7	107%	80 - 120 %
Toluene - d8	9.91	99.1%	88 - 110 %
4 - Bromofluorobenzene	8.79	87.9%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-12

Client:	**Western Water Consultants**		
Sample ID:	90125-12.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11676	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	10	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	10.0
74-87-3	Chloromethane	ND	10.0
75-01-4	Vinyl chloride (Chloroethene)	ND	10.0
74-83-9	Bromomethane	ND	10.0
75-00-3	Chloroethane	ND	10.0
75-69-4	Trichlorofluoromethane	ND	10.0
75-35-4	**1,1 - Dichloroethene**	**46**	10.0
75-09-2	Methylene chloride (Dichloromethane)	ND	10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	10.0
75-34-3	**1,1 - Dichloroethane**	**162**	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	ND	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	**1,1,1 - Trichloroethane**	**60.0**	10.0
107-06-2	1,2 - Dichloroethane	ND	10.0
563-58-6	1,1 - Dichloropropene	ND	10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	10.0
71-43-2	**Benzene**	**93.0**	10.0
74-95-3	Dibromomethane	ND	10.0
78-87-5	1,2 - Dichloropropane	ND	10.0
79-01-6	**Trichloroethene**	**37.0**	10.0
75-27-4	Bromodichloromethane	ND	10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	10.0
79-00-5	1,1,2 - Trichloroethane	ND	10.0
108-88-3	**Toluene**	**133**	10.0
106-93-4	1,2 - Dibromoethane	ND	10.0
142-28-9	1,3 - Dichloropropane	ND	10.0
124-48-1	Dibromochloromethane	ND	10.0
127-18-4	**Tetrachloroethene**	**39.0**	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	10.0
108-90-7	Chlorobenzene	ND	10.0
100-41-4	**Ethylbenzene**	**822**	10.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**528**	20.0
75-25-2	Bromoform (Tribromomethane)	ND	10.0
100-42-5	Styrene (Ethenylbenzene)	ND	10.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**1,210**	10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	10.0
96-18-4	1,2,3 - Trichloropropane	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-12

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-12.1/97
Laboratory ID: C97 - 11676

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**567**	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	**n - Propylbenzene**	**955**	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	**1,3,5 - Trimethylbenzene**	**463**	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	**1,2,4 - Trimethylbenzene**	**2,470**	10.0
135-98-8	**sec - Butylbenzene**	**32.0**	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	**4-Isopropyltoluene**	**15.0**	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	**n - Butylbenzene**	**116**	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	**Naphthalene**	**371**	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173242	172528	100%	50 - 200 %
Chlorobenzene - d5	122344	120263	102%	50 - 200 %
1,2 - Dichlorobenzene - d4	38141	38151	100%	50 - 200 %
Bromochloromethane - d2	8001	7415	108%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	10.4	104%	80 - 120 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

MW-13

Client:	**Western Water Consultants**		
Sample ID:	90125-13.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11677	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.4**	**J**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**5.0**		1.0
156-59-2	**cis - 1,2 - Dichloroethene**	**0.5**	**J**	1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.4**	**J**	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.2**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**3.2**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**3.3**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-13

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-13.1/97
Laboratory ID: C97 - 11677

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.3**	**J**	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**1.0**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	177964	179348	99.2%	50 - 200 %
Chlorobenzene - d5	124140	120859	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	39245	38069	103%	50 - 200 %
Bromochloromethane - d2	8209	7895	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	8.85	88.5%	80 - 120 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	8.94	89.4%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
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EPA METHOD 8260

MW-14

Client:	**Western Water Consultants**		
Sample ID:	90125-14.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11678	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**23.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**40.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.5**	**J**	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.8**	**J**	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**14.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-14

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-14.1/97
Laboratory ID: C97 - 11678

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173047	163828	106%	50 - 200 %
Chlorobenzene - d5	120762	121064	99.8%	50 - 200 %
1,2 - Dichlorobenzene - d4	37695	35513	106%	50 - 200 %
Bromochloromethane - d2	7690	6721	114%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.91	99.1%	80 - 120 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.88	98.8%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
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EPA METHOD 8260

MW-15

Client: **Western Water Consultants**
Sample ID: 90125-15.1/97
Laboratory ID: C97 - 11679
Matrix: Water
Dilution Factor: 1

Date Sampled: 01/24/97
Date Received: 01/28/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**1.1**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**12.0**		1.0
156-59-2	**cis - 1,2 - Dichloroethene**	**0.9**		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.8**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.4**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**0.3**	J	1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**0.3**	J	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-15

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-15.1/97
Laboratory ID: C97 - 11679

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	173284	179348	96.6%	50 - 200 %
Chlorobenzene - d5	123084	120859	102%	50 - 200 %
1,2 - Dichlorobenzene - d4	39620	38069	104%	50 - 200 %
Bromochloromethane - d2	7308	7895	92.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.95	99.5%	80 - 120 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.30	93.0%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
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EPA METHOD 8260

MW-17A

Client:	**Western Water Consultants**		
Sample ID:	90125-17A.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11680	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**44.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**58.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**6.8**		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**6.3**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**45.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**49.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	**Chlorobenzene**	**0.7**	**J**	1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**0.7**	**J**	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-17A

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17A.1/97
Laboratory ID: C97 - 11680

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**9.4**		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	**tert - Butylbenzene**	**0.3**	J	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**12.0**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	**4-Isopropyltoluene**	**1.6**		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	**n - Butylbenzene**	**0.4**	J	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	**Naphthalene**	**1.3**		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	176619	179348	98.5%	50 - 200 %
Chlorobenzene - d5	121981	120859	101%	50 - 200 %
1,2 - Dichlorobenzene - d4	42421	38069	111%	50 - 200 %
Bromochloromethane - d2	7741	7895	98.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.40	94.0%	80 - 120 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.26	92.6%	86 - 115 %

REFERENCES

Method 8260: *Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique* Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

mw-17B

Client:	**Western Water Consultants**		
Sample ID:	90125-17B.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11681	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**110**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**38.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	**Chloroform (Trichloromethane)**	**0.7**	J	1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**7.6**		1.0
107-06-2	**1,2 - Dichloroethane**	**1.2**		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.7**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**19.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**70.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-17B

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17B.1/97
Laboratory ID: C97 - 11681

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**1.1**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Bromochloromethane - d2	11520	10739	107.3%	50 - 200 %
Fluorobenzene	234986	267021	88%	50 - 200 %
Chlorobenzene - d5	138103	147423	93.7%	50 - 200 %
1,2 - Dichlorobenzene - d4	40244	40445	99.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.7	117%	80 - 120 %
Toluene - d8	9.63	96.3%	80 - 120 %
4 - Bromofluorobenzene	9.77	97.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-17C

Client:	**Western Water Consultants**		
Sample ID:	90125-17C.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11682	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/07/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	**Vinyl chloride (Chloroethene)**	**4.0**		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	**Chloroethane**	**3.2**		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**99.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**51.0**		1.0
156-59-2	**cis - 1,2 - Dichloroethene**	**5.8**		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**2.6**		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**9.1**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**78.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**5.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	**Chlorobenzene**	**0.4**	J	1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-17C

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-17C.1/97	Date Analyzed:	02/07/97
Laboratory ID:	C97 - 11682	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.4**	J	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**1.4**		1.0
135-98-8	sec - Butylbenzene	ND		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	**Naphthalene**	**1.1**		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	11248	10739	105%	50 - 200 %
Chlorobenzene - d5	243451	267021	91.2%	50 - 200 %
1,2 - Dichlorobenzene - d4	139299	147423	94.5%	50 - 200 %
Bromochloromethane - d2	41561	40445	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	10.3	103%	80 - 120 %
Toluene - d8	9.44	94.4%	88 - 110 %
4 - Bromofluorobenzene	9.45	94.5%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-17D

Client:	**Western Water Consultants**		
Sample ID:	90125-17D.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11683	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**23.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**52.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**3.5**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.5**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**4.2**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**39.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**22.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	**Chlorobenzene**	**0.4**	J	1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

MW-17D

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17D.1/97
Laboratory ID: C97 - 11683

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**16.0**		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	**n - Propylbenzene**	**0.9**	J	1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**7.4**		1.0
135-98-8	**sec - Butylbenzene**	**3.7**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	**4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)**	**1.3**		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	**n - Butylbenzene**	**0.6**	J	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	**Naphthalene**	**7.1**		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	12431	10739	116%	50 - 200 %
Chlorobenzene - d5	248728	267021	93.1%	50 - 200 %
1,2 - Dichlorobenzene - d4	148293	147423	101%	50 - 200 %
Bromochloromethane - d2	49653	40445	123%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.1	111%	80 - 120 %
Toluene - d8	9.57	95.7%	88 - 110 %
4 - Bromofluorobenzene	8.89	88.9%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: ELIR - rh
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EPA METHOD 8260

mw-18

Client:	**Western Water Consultants**		
Sample ID:	90125-18.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11684	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**180**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**24.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.5**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.6**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**2.9**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**47.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**97.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-18

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-18.1/97
Laboratory ID: C97 - 11684

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	11549	10739	108%	50 - 200 %
Chlorobenzene - d5	246542	267021	92.3%	50 - 200 %
1,2 - Dichlorobenzene - d4	142488	147423	96.7%	50 - 200 %
Bromochloromethane - d2	44539	40445	110%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.7	117%	80 - 120 %
Toluene - d8	9.46	94.6%	88 - 110 %
4 - Bromofluorobenzene	9.02	90.2%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-19

Client:	**Western Water Consultants**		
Sample ID:	90125-19.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11685	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**122**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**8.7**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**0.6**	**J**	1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**1.4**		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**2.6**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**93.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-19

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-19.1/97	Date Analyzed:	02/05/97
Laboratory ID:	C97 - 11685	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	167169	163828	102%	50 - 200 %
Chlorobenzene - d5	121924	121064	101%	50 - 200 %
1,2 - Dichlorobenzene - d4	36662	35513	103%	50 - 200 %
Bromochloromethane - d2	7028	6721	105%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.93	99.3%	80 - 120 %
Toluene - d8	9.86	98.6%	88 - 110 %
4 - Bromofluorobenzene	9.59	95.9%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

mw-20

Client:	**Western Water Consultants**		
Sample ID:	90125-20.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11686	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-20

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-20.1/97
Laboratory ID: C97 - 11686

Date Sampled: 01/24/97
Date Analyzed: 02/05/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	178490	163828	109%	50 - 200 %
Chlorobenzene - d5	123458	121064	102%	50 - 200 %
1,2 - Dichlorobenzene - d4	36724	35513	103%	50 - 200 %
Bromochloromethane - d2	7397	6721	110%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.39	93.9%	80 - 120 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.88	98.8%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-21

Client:	**Western Water Consultants**		
Sample ID:	90125-21.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11687	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**19.0**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**2.8**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**2.0**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**4.2**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**5.6**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-21

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-21.1/97	Date Analyzed:	02/05/97
Laboratory ID:	C97 - 11687	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	176366	163828	108%	50 - 200 %
Chlorobenzene - d5	124121	121064	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	37862	35513	107%	50 - 200 %
Bromochloromethane - d2	7601	6721	113%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.64	96.4%	80 - 120 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.52	95.2%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

mw-22

Client:	**Western Water Consultants**		
Sample ID:	90125-22.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11688	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/05/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**65.0**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**9.3**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**9.7**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**13.0**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**50.0**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

mw-22

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-22.1/97	Date Analyzed:	02/05/97
Laboratory ID:	C97 - 11688	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	178022	163828	109%	50 - 200 %
Chlorobenzene - d5	125182	121064	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	37332	35513	105%	50 - 200 %
Bromochloromethane - d2	7969	6721	119%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	9.72	97.2%	80 - 120 %
Toluene - d8	9.98	99.8%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIB - raf
Reviewed: sec

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EPA METHOD 8260

MW-23

Client: **Western Water Consultants**
Sample ID: 90125-23.1/97
Laboratory ID: C97 - 11689
Matrix: Water
Dilution Factor: 1

Date Sampled: 01/24/97
Date Received: 01/28/97
Date Analyzed: 02/07/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

MW-23

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-23.1/97
Laboratory ID: C97 - 11689

Date Sampled: 01/24/97
Date Analyzed: 02/07/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	13392	10739	125%	50 - 200 %
Chlorobenzene - d5	275399	267021	103%	50 - 200 %
1,2 - Dichlorobenzene - d4	162207	147423	110%	50 - 200 %
Bromochloromethane - d2	51927	40445	128%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.9	119%	80 - 120 %
Toluene - d8	9.56	95.6%	88 - 110 %
4 - Bromofluorobenzene	9.05	90.5%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIR - rh
Reviewed: sec

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EPA METHOD 8260

MW-24

Client:	**Western Water Consultants**		
Sample ID:	90125-24.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11690	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

mw-24

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-24.1/97
Laboratory ID: C97 - 11690

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	11323	10739	105%	50 - 200 %
Chlorobenzene - d5	240381	267021	90.0%	50 - 200 %
1,2 - Dichlorobenzene - d4	143284	147423	97.2%	50 - 200 %
Bromochloromethane - d2	45537	40445	113%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.9	119%	80 - 120 %
Toluene - d8	9.39	93.9%	88 - 110 %
4 - Bromofluorobenzene	9.16	91.6%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIR - rh
Reviewed: sec

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EPA METHOD 8260

Duplicate of MW-8

Client:	**Western Water Consultants**		
Sample ID:	90125-A.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11691	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**88.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**17.0**		1.0
156-59-2	**cis - 1,2 - Dichloroethene**	**0.5**	J	1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.6**		1.0
107-06-2	**1,2 - Dichloroethane**	**0.5**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.7**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**14.0**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**17.0**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

Duplicate of MW-8

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-A.1/97	Date Analyzed:	02/06/97
Laboratory ID:	C97 - 11691	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	11666	10739	109%	50 - 200 %
Chlorobenzene - d5	243478	267021	91.2%	50 - 200 %
1,2 - Dichlorobenzene - d4	146111	147423	99.1%	50 - 200 %
Bromochloromethane - d2	45102	40445	112%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.9	119%	80 - 120 %
Toluene - d8	9.36	93.6%	88 - 110 %
4 - Bromofluorobenzene	9.26	92.6%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIR - rh
Reviewed: sec

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EPA METHOD 8260

Duplicate of MW-14

Client:	**Western Water Consultants**		
Sample ID:	90125-B.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11692	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**27.0**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**45.0**		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.5**	**J**	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.8**	**J**	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**9.5**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

Duplicate of MW-14

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-B.1/97	Date Analyzed:	02/06/97
Laboratory ID:	C97 - 11692	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND		1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	sec - Butylbenzene	ND		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		1.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	**Naphthalene**	**0.6**	**J**	1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	12408	10739	116%	50 - 200 %
Chlorobenzene - d5	247334	267021	92.6%	50 - 200 %
1,2 - Dichlorobenzene - d4	149775	147423	102%	50 - 200 %
Bromochloromethane - d2	45969	40445	114%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.9	119%	80 - 120 %
Toluene - d8	9.56	95.6%	88 - 110 %
4 - Bromofluorobenzene	9.62	96.2%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIR - rh
Reviewed: sec

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EPA METHOD 8260

Duplicate of MW-22

Client:	**Western Water Consultants**		
Sample ID:	90125-C.1/97	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11693	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**99.0**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**11.0**	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**11.0**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**13.0**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**65.0**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag denotes an estimated value for an analyte detected below stated limit of detection

Duplicate of MW-22

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/24/97
Sample ID:	90125-C.1/97	Date Analyzed:	02/06/97
Laboratory ID:	C97 - 11693	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	11259	10739	105%	50 - 200 %
Chlorobenzene - d5	250167	267021	93.7%	50 - 200 %
1,2 - Dichlorobenzene - d4	144941	147423	98.3%	50 - 200 %
Bromochloromethane - d2	43698	40445	108%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	10.1	101%	80 - 120 %
Toluene - d8	9.67	96.7%	88 - 110 %
4 - Bromofluorobenzene	9.62	96.2%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11665.xls

Analyst: ELIR - rh
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	FIELD BLANK	Date Sampled:	01/24/97
Laboratory ID:	C97 - 11694	Date Received:	01/28/97
Matrix:	Water	Date Analyzed:	02/06/97
Dilution Factor:	1	Date Reported:	February 21, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: FIELD BLANK
Laboratory ID: C97 - 11694

Date Sampled: 01/24/97
Date Analyzed: 02/06/97
Date Reported: February 21, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	1.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Fluorobenzene	10884	10739	101%	50 - 200 %
Chlorobenzene - d5	237843	267021	89.1%	50 - 200 %
1,2 - Dichlorobenzene - d4	136742	147423	92.8%	50 - 200 %
Bromochloromethane - d2	39364	40445	97.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
1,2 - Dichloroethane - d4	11.1	111%	80 - 120 %
Toluene - d8	9.40	94.0%	88 - 110 %
4 - Bromofluorobenzene	9.80	98.0%	86 - 115 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Wash Bay Input

Client:	**Western Water Consultants**		
Sample ID:	90125-WB-INP-1/97	Date Sampled:	01/21/97
Laboratory ID:	C97-11253	Date Received:	01/22/97
Matrix:	Air	Date Analyzed:	01/22/97
Dilution Factor:	1	Date Reported:	February 2, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (mg/m^3)*		*LIMIT OF DETECTION (mg/m^3)*
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	1,1 - Dichloroethane	ND		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**1.77**	**J**	2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**3.64**		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection
J - Meets Mass Spectral identification criteria but result is below established detection limit

Wash Bay Input

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/21/97
Sample ID:	90125-WB-INP-1/97	Date Analyzed:	01/22/97
Laboratory ID:	C97-11253	Date Reported:	February 2, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)		LIMIT OF DETECTION (mg/m^3)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.65**	**J**	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	**1,3,5 - Trimethylbenzene**	**2.59**		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**5.75**		1.0
135-98-8	sec - Butylbenzene	ND		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		5.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	726488	759181	95.7%	50 - 200 %
Fluorobenzene	1884061	1926580	97.8%	50 - 200 %
1,4 - Difluorobenzene	1617008	1659859	97.4%	50 - 200 %
Chlorobenzene - d5	1168523	1189173	98.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	387649	408290	94.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Maintenance Shop Input Zone 1

Client:	**Western Water Consultants**		
Sample ID:	90125-MS-INP-1/97	Date Sampled:	01/21/97
Laboratory ID:	C97-11254	Date Received:	01/22/97
Matrix:	Air	Date Analyzed:	01/22/97
Dilution Factor:	1	Date Reported:	February 02, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	**1,1,1 - Trichloroethane**	**1.07**	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

Maintenance Shop Input Zone 1

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	01/21/97
Sample ID:	90125-MS-INP-1/97	Date Analyzed:	01/22/97
Laboratory ID:	C97-11254	Date Reported:	February 2, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (mg/m^3)*	*LIMIT OF DETECTION (mg/m^3)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	697607	759181	91.9%	50 - 200 %
Fluorobenzene	1831099	1926580	95.0%	50 - 200 %
1,4 - Difluorobenzene	1555341	1659859	93.7%	50 - 200 %
Chlorobenzene - d5	1133361	1189173	95.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	374315	408290	91.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.4	114%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Analyst: yw

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EPA METHOD 8260

Maintenance Shop Zone 2 Input

Client:	**Western Water Consultants**		
Sample ID:	90125-MS-IN2-1/97	Date Sampled:	01/21/97
Laboratory ID:	C97-11255	Date Received:	01/22/97
Matrix:	Air	Date Analyzed:	01/22/97
Dilution Factor:	1	Date Reported:	February 02, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection
J - Meets Mass Spectral identification criteria but result is below established detection limit

EPA METHOD 8260

Maintenance Shop Zone 2 Input

Client:	**Western Water Consultants**	Date Sampled:	01/21/97
Sample ID:	90125-MS-IN2-1/97	Date Analyzed:	01/22/97
Laboratory ID:	C97-11255	Date Reported:	February 2, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	685213	759181	90.3%	50 - 200 %
Fluorobenzene	1843795	1926580	95.7%	50 - 200 %
1,4 - Difluorobenzene	1544159	1659859	93.0%	50 - 200 %
Chlorobenzene - d5	1137030	1189173	95.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	374810	408290	91.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.5	115%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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QUARTERLY REPORT
AND
ADDITIONAL INVESTIGATION
AND REMEDIATION
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

February 27, 1998

Prepared For:

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Western Water Consultants, Inc. has conducted its work and presents these findings in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation and no warranty or guarantee is made or intended.

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A – Lithologic and Well Completion Logs
B – Laboratory Analytical Reports
C – Isoconcentration Maps and Plots of Static Water Versus Halocarbon Concentrations

1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents investigation and remediation activities at the Dowell, a division of Schlumberger Technology Corporation facility in Artesia, New Mexico in 1997. Included in the report are ground-water and air quality monitoring for 1997, soil vapor extraction (SVE) system operation and maintenance (O & M) activities, land farm monitoring, and a summary of fieldwork performed. All tables and figures are attached at the back of the document.

2.0 SUMMARY OF FIELDWORK

2.0 SUMMARY OF FIELDWORK

Field work conducted by Western Water Consultants, Inc. (WWC) during the 4 quarters of 1997 consisted of ground-water monitoring, operation and maintenance of the SVE systems, and installation of 3 new ground-water monitoring wells, and land farm monitoring. The analytical data for the first three quarters of 1997 are presented in the reports dated March 18, 1997, May 19, 1997, and September 8, 1997.

2.1 Monitoring Well Installation

From March 3-4, 1997, three additional 2-inch diameter ground-water monitoring wells (MW-25, MW-26, and MW-27) were installed at the facility. The monitoring wells were located northeast and east of existing perimeter wells (MW-21, MW-22, and MW-23) to evaluate the downgradient extent of hydrocarbon impacts (Figure 1).

An air rotary drill rig with a 5 1/8-inch diameter drag bit was used to drill the wells. Total depths of the wells were 25 feet below ground surface. To eliminate the potential for cross-contamination between wells, drilling equipment was decontaminated prior to beginning each well borehole.

Drill cuttings were logged by a WWC geologist for sediment type, grain size, color, structure, moisture, and indication of hydrocarbons. A gravel lense encountered in MW-22 was also present when monitoring wells MW-25 and MW-26 were drilled but was absent in MW-27. The lithology was otherwise consistent with other areas of the property. Lithologic and well completion data are illustrated on well logs in Appendix A.

The monitoring wells were developed by purging a minimum of 10 well volumes of water from each well using disposable polyethylene bailers. Purge water was disposed in a stock tank on site. The top of casing elevations for the monitoring wells were surveyed and referenced to a temporary benchmark at the northeast corner of the shop facility (Figure 2). This is the same benchmark used to establish elevation during earlier surveys of the site wells. The temporary benchmark is given the arbitrary elevation of 100.00 feet.

2.2 Field Screening

The presence or absence of hydrocarbons was determined by visual and olfactory inspection of the cuttings and by screening with an Environmental Instruments 580D photoionization detector (PID) during logging. Evidence of hydrocarbon contamination was not observed or detected with the PID during the drilling process.

2.3 Static Water Level

Static water levels were measured 4 times in 1997 from all new and existing monitoring wells with an oil/water interface probe. The latest water level measurements are presented in Table 1 along with historic water level data for comparison. A map of the potentiometric surface generated from the 4th quarter static water level data is depicted on Figure 2. The ground-water flow direction is to the northeast, consistent with earlier determinations of ground-water flow.

In addition to static water level measurements, dissolved oxygen measurements from monitoring well were collected with a Yellowstone Instruments dissolved oxygen meter during the fourth quarter sampling of 1997. These measurements were used to construct a dissolved oxygen map across the facility (Figure 3).

2.4 Ground-water Sampling

Ground-water samples were collected from all new and existing wells during quarterly monitoring events in 1997. Three well volumes of ground-water were purged from each well using dedicated polyethylene bailers prior to sampling. Purge water was placed into two galvanized steel stock tanks located near the wash bay and allowed to evaporate.

Ground-water samples were analyzed for volatile aromatic and chlorinated hydrocarbons by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-13 and MW-25. The analytical results for all monitoring events are summarized in Table 2. Laboratory analytical reports for the fourth quarter are presented in Appendix B. Laboratory analytical reports for the other sampling events have been provided in previous reports.

2.5 Land Farm Monitoring

During 1997, the land farm was tilled and watered 3-4 times a month to aerate the soil and provide adequate moisture. Four composite samples from each quadrant of the land farm were collected and submitted for analysis by modified 8015 for total petroleum hydrocarbons(TPH). Results of the soil sampling are presented on Table 3. As shown on Table 3 the TPH in each of the 4 quadrants was below 100ppm after the October sampling. The NMOCD authorized the removal of the upper 6 inches of treated soil in a letter dated November 24, 1997. Once the upper 6 inches is removed treatment will begin on the remaining soil. Laboratory data sheets are presented in Appendix B.

3.0 RESULTS AND DISCUSSION

3.0 RESULTS AND DISCUSSION

Table 2 shows contaminant levels in most monitoring wells remained in the range of historic concentration variations. Aromatic concentrations increased in monitoring wells MW-3 and MW-12 during the fourth quarter but remain within the historical trends. Plots were constructed for static water levels versus halocarbon concentrations in each monitoring well to show yearly and historical trends. The plots illustrate total halocarbon declines in monitoring wells MW-2, 6, 7, 11, 13, 14, 17D, 17B and 21 for the past year. These plots also show the historical declines in MW-6, 11, 13, 14, and 15.

To illustrate the areal extent of both aromatic and halocarbon contamination, isoconcentration maps were constructed. Low levels are still present in down-gradient perimeter wells. As shown on Figure 3 the depressed dissolved oxygen levels continue to correlate with areas impacted by contaminants. The depressed oxygen levels indicate oxygen is being used by aerobic microbes to biodegrade the aromatic hydrocarbons. This in turn provides a reducing anaerobic environment for the biodegradation of the halocarbons. The isoconcentration maps and plots are presented as Appendix C.

4.0 OPERATION AND MAINTENANCE OF SHOP AND WASH BAY SVE SYSTEMS

4.0 OPERATION AND MAINTENANCE OF SHOP AND WASH BAY SVE SYSTEMS

The Dowell facility in Artesia has 2 SVE systems which have been in operation since January 31, 1994. One system is located at the northeast corner of the truck maintenance shop, the other system is located on the north side of the truck wash bay in the northeast corner of the property (Figure 1).

4.1 Overall Operation

Both the wash bay and the maintenance shop SVE systems have operated almost continuously in 1997 and are checked on a quarterly basis. To monitor system operation, vacuum measurements are collected which are presented in Tables 4 (maintenance shop SVE system), and 5 (wash bay SVE system). The concentrations of volatile organic components in the extracted soil vapor, and in the exhaust vapor, are measured with a PID each quarter. These data are presented in Tables 6 (maintenance shop system) and 7 (wash bay system). Air samples of the vapors are collected quarterly for laboratory analysis using EPA Method 8260. An air sample was not analyzed for the last quarter of 1997 due to transportation problems to the lab. Analytical data for the air samples are summarized in Table 8. Copies of the laboratory analytical reports are presented in Appendix B.

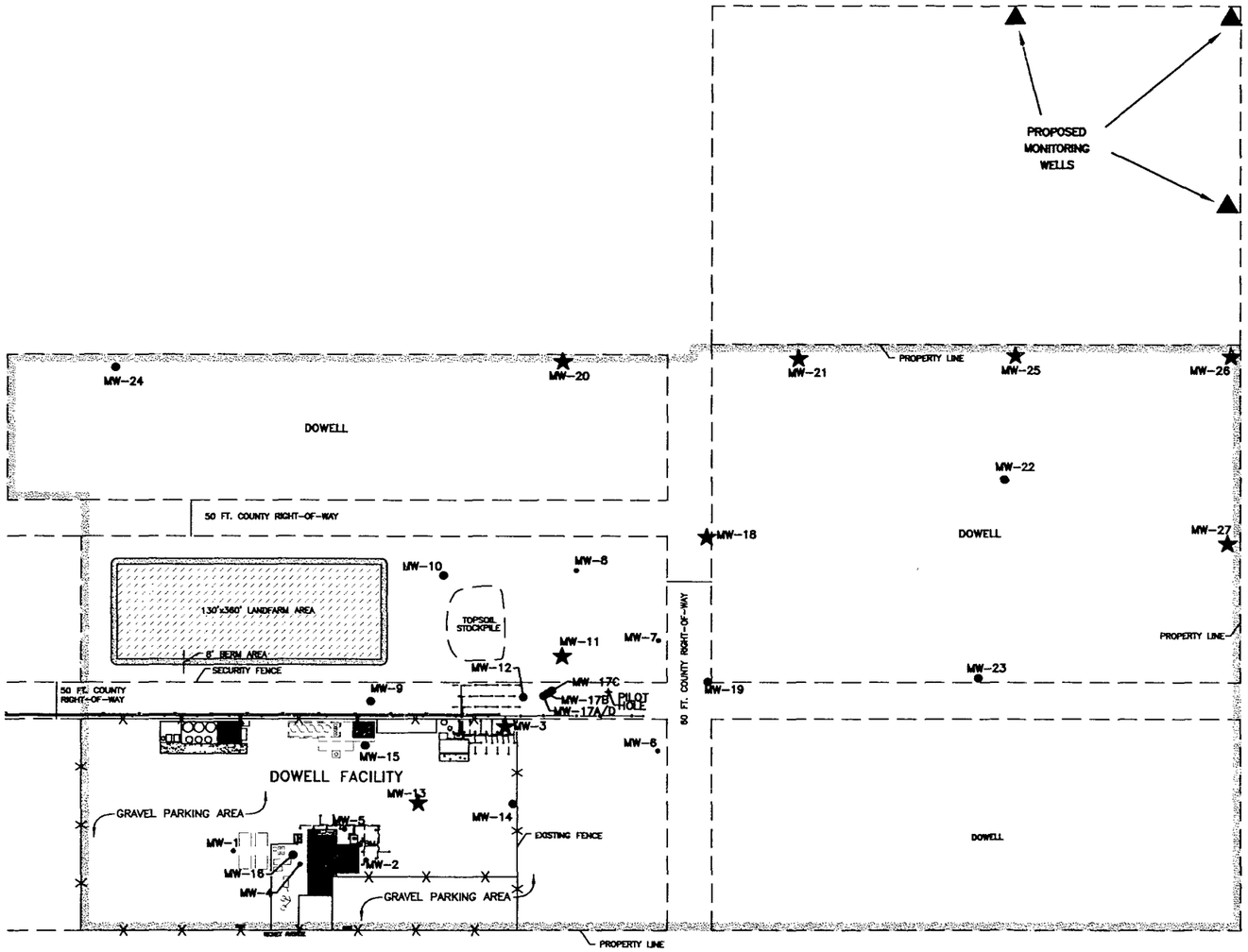
5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

Because hydrocarbons are present in the ground-water of the perimeter monitoring wells, Dowell is planning to install three additional monitoring wells at the locations shown on Figure 1 as soon as access can be gained to the property. The new monitoring wells would be properly installed and developed with ground-water samples collected and analyzed by EPA Method 8260. Ground-water monitoring will continue to be performed quarterly but only the wells indicated on Figure 1 will be sampled. All of the existing monitoring wells will be sampled during the fourth quarter monitoring event. Static water levels will be collected in all wells every quarter and air quality monitoring will remain the same.

FIGURES

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EXPLANATION

- MW-12 — WWC MONITORING WELL LOCATION AND IDENTIFICATION
- MW-6 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION
- ★ — MONITORING WELLS TO BE SAMPLED QUARTERLY
- TBM — TEMPORARY BENCH MARK
- ----- — AIR PIPING
- • — SVE EXTRACTION WELL

0 200 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 1

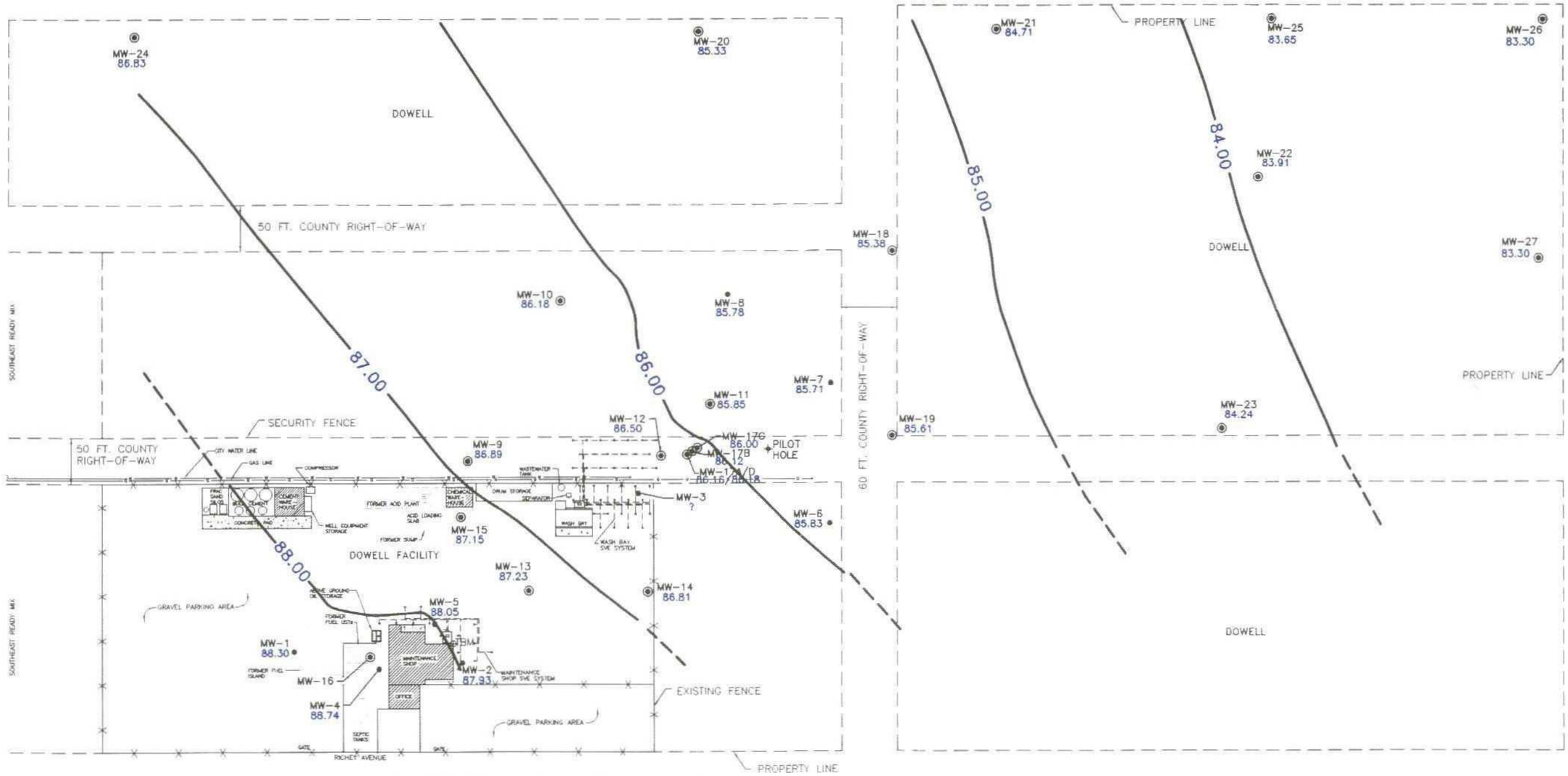
SITE MAP AND PROPOSED WELL LOCATIONS

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

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EXPLANATION

- MW-12 / 85.15 — WWC MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- MW-6 / 83.88 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- TBM — TEMPORARY BENCH MARK
- —85.0— POTENTIOMETRIC SURFACE CONTOUR
- AIR PIPING
- SVE EXTRACTION WELL

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 2

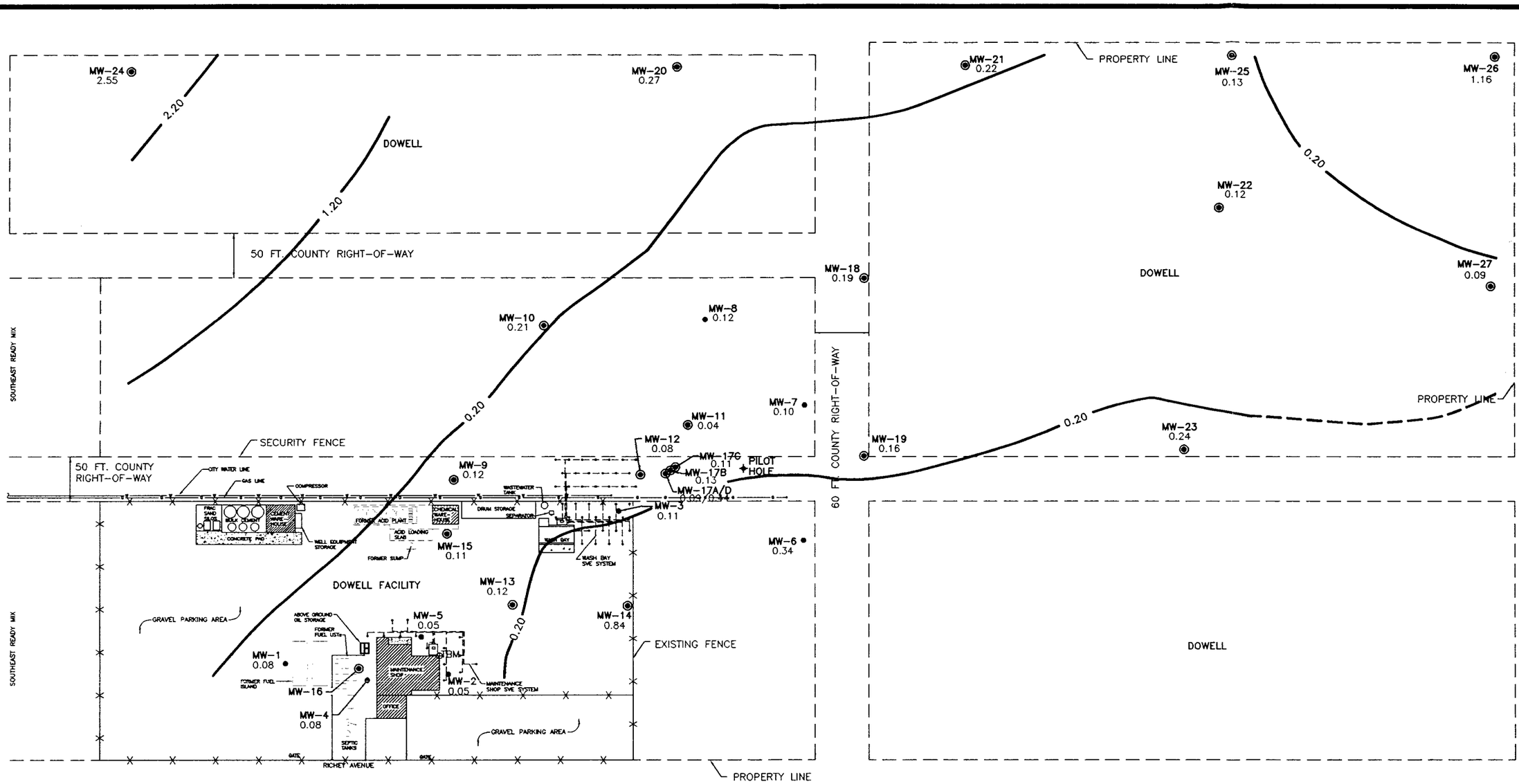
SITE MAP WITH POTENTIOMETRIC SURFACE (10/16/97)

DOWELL, A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

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EXPLANATION

- MW-12 0.02 — WWC MONITORING WELL LOCATION AND IDENTIFICATION / DISSOLVED OXYGEN CONCENTRATION
- MW-6 0.11 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION / DISSOLVED OXYGEN CONCENTRATION
- TBM — TEMPORARY BENCH MARK
- 1.20 — DISSOLVED OXYGEN CONCENTRATION CONTOUR
- AIR PIPING
- SVE EXTRACTION WELL

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 3

DISSOLVED OXYGEN MAP
(10/16/97)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

TABLES

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
	04/08/97				12.97	87.59	0.27
	07/29/97				13.87	86.69	-0.90
	10/16/97				12.26	88.30	1.61
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
	04/08/97				12.21	87.35	0.20
	07/29/97				13.15	86.41	-0.94
	10/16/97				11.63	87.93	1.52
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94				NM	NM	NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
	04/08/97				12.43	85.90	-0.01
	07/29/97				13.18	85.15	-0.75
	10/16/97				11.83	86.50	1.35
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25
	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-4 Cont.	01/21/97				15.37	87.81	0.91
	04/08/97				15.14	88.04	0.23
	07/29/97				16.05	87.13	-0.91
	10/16/97				14.44	88.74	1.61
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33
	03/16/93				13.47	86.40	0.72
	01/09/94				14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
	04/08/97				12.52	87.35	0.17
	07/29/97				13.37	86.50	-0.85
	10/16/97				11.82	88.05	1.55
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
	04/08/97				15.30	85.54	-0.09
	07/29/97				16.01	84.83	-0.71
	10/16/97				15.01	85.83	1.00
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
	04/08/97				14.91	85.32	-0.10
	07/29/97				15.48	84.75	-0.57
	10/16/97				14.52	85.71	0.96
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20
	04/19/94				17.05	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-8 Cont.	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37
	04/08/97				16.11	85.36	-0.06
	07/29/97				16.69	84.78	-0.58
	10/16/97				15.69	85.78	1.00
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12
	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20
	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
	04/08/97				16.04	86.14	0.08
	07/29/97				16.67	85.51	-0.63
	10/16/97				15.29	86.89	1.38
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
	04/08/97				15.70	85.64	0.03
	07/29/97				16.28	85.06	-0.58
	10/16/97				15.16	86.18	1.12
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69
	01/21/97				15.15	85.45	0.37
	04/08/97				15.19	85.41	-0.04
	07/29/97				15.78	84.82	-0.59
	10/16/97				14.75	85.85	1.03
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-12 Cont.	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67
	01/21/97				15.04	85.65	0.44
	04/08/97				15.10	85.59	-0.06
	07/29/97				15.73	84.96	-0.63
	10/16/97				14.57	86.12	1.16
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30
	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
	04/08/97				12.48	86.77	0.22
	07/29/97				13.43	85.82	-0.95
	10/16/97				12.02	87.23	1.41
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
	04/08/97				12.44	86.30	0.03
	07/29/97				13.30	85.44	-0.86
	10/16/97				11.93	86.81	1.37
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
**	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08
	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
	04/08/97				13.53	86.52	0.11
	07/29/97				14.32	85.73	-0.79
	10/16/97				12.90	87.15	1.42
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-17D Cont.	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
	04/08/97				15.64	85.65	-0.04
	07/29/97				16.32	84.97	-0.68
	10/16/97				15.11	86.18	1.21
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68
	01/21/97				14.88	85.69	0.42
	04/08/97				14.92	85.65	-0.04
	07/29/97				15.59	84.98	-0.67
	10/16/97				14.41	86.16	1.18
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
	04/08/97				15.67	85.61	-0.03
	07/29/97				16.30	84.98	-0.63
	10/16/97				15.16	86.12	1.14
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17
	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
	04/08/97				15.80	85.53	-0.05
	07/29/97				16.46	84.87	-0.66
	10/16/97				15.33	86.00	1.13
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
	04/08/97				13.66	85.06	-0.12
	07/29/97				14.13	84.59	-0.47
	10/16/97				13.34	85.38	0.79
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
	04/08/97				13.76	85.32	-0.07
	07/29/97				14.37	84.71	-0.61
	10/16/97				13.47	85.61	0.90
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
	04/08/97				16.04	85.05	0.04
	07/29/97				16.46	84.63	-0.42
	10/16/97				15.76	85.33	0.70
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-21 Cont.	04/08/97			98.89	14.41	84.48	-0.14
	07/29/97				14.54	84.35	-0.13
	10/16/97				14.18	84.71	0.36
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
	04/08/97			97.14	13.42	83.72	-0.50
	07/29/97				13.16	83.98	0.26
	10/16/97				13.23	83.91	-0.07
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
	04/08/97			97.30	13.07	84.23	-0.51
	07/29/97				13.14	84.16	-0.07
	10/16/97				13.06	84.24	0.08
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35
	04/08/97			103.41	17.40	86.01	0.15
	07/29/97				17.72	85.69	-0.32
	10/16/97				16.58	86.83	1.14
MW-25	04/08/97	25.00	Protective Casing	97.64	14.23	83.41	-
	07/29/97				13.77	83.87	0.46
	10/16/97				13.99	83.65	-0.22
MW-26	04/08/97	25.00	Protective Casing	96.11	13.06	83.05	-
	07/29/97				12.23	83.88	0.83
	10/16/97				12.75	83.36	-0.52
MW-27	04/08/97	25.00	Protective Casing	96.17	13.06	83.11	-
	07/29/97				12.21	83.96	0.85
	10/16/97				12.79	83.38	-0.58

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet. Benchmark is located on the concrete right up against the east shop wall, at the northeast corner of the shop.

** = water level measurement may be in error

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	0.064	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	0.006	0.002	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	0.018	0.004	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	10/17/97	0.026	0.003	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
•	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
•	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.088
dup. •	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
•	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
•	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
	04/09/97	0.015	0.029	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.007	0.034
	07/30/97	0.010	0.045	ND(0.002)	ND(0.004)	0.00188J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	0.050
	10/17/97	0.004	0.024	ND(0.002)	ND(0.004)	0.00108J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.008	0.031
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.850	8.600	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011
	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J
	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.066	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
	04/09/97	0.034	0.137	ND(0.010)	0.146	0.065	ND(0.010)	0.064	ND(0.010)	ND(0.010)	0.107	0.013
	07/30/97	0.019	0.177	ND(0.010)	0.644	0.057	ND(0.010)	0.043	ND(0.010)	ND(0.010)	0.103	0.035
	10/17/97	0.044	0.464	0.041	3.300	0.069	ND(0.020)	0.0158J	ND(0.020)	ND(0.020)	0.0182J	0.0158J
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-5 Cont. *	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025
	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019
	04/09/97	0.040	0.040	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.028
	07/30/97	0.018	0.044	ND(0.002)	ND(0.004)	0.00168J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	0.029
	10/17/97	0.016	0.048	ND(0.002)	ND(0.004)	0.00146J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.033
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.006
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.025	ND(0.002)	ND(0.002)	ND(0.002)	0.009
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.008	ND(0.002)	0.016	ND(0.002)	ND(0.002)	ND(0.002)	0.008
	10/17/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	ND(0.002)	0.023	ND(0.002)	ND(0.002)	ND(0.002)	0.007
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-7 Cont.	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
	04/09/97	0.005	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.186	ND(0.002)	ND(0.002)	0.017	0.148
	07/30/97	0.0045J	ND(0.010)	ND(0.010)	ND(0.020)	0.023	ND(0.010)	0.236	ND(0.010)	ND(0.010)	0.019	0.255
	10/17/97	0.0046J	ND(0.010)	ND(0.010)	ND(0.020)	0.029	ND(0.010)	0.255	ND(0.010)	ND(0.010)	0.020	0.153
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.006
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.008	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
	04/09/97	0.00094J	ND(0.002)	ND(0.002)	ND(0.004)	0.015	ND(0.002)	0.097	ND(0.002)	ND(0.002)	0.019	0.028
	07/30/97	0.00084J	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.105	ND(0.002)	ND(0.002)	0.015	0.048
dup.	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	ND(0.002)	0.106	0.0018J	ND(0.002)	0.015	0.055
	10/17/97	0.00076J	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.104	ND(0.002)	ND(0.002)	0.010	0.026
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
	04/09/97	0.00051J	ND(0.001)	ND(0.001)	ND(0.002)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	0.00096J
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.00122J	ND(0.002)	ND(0.002)	0.00122J	ND(0.002)
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.018	ND(0.001)	0.00085J	ND(0.001)	ND(0.001)	0.00081J	ND(0.001)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-10	01/28/91	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)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0009J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.00094J	ND(0.002)	0.158	0.004	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	0.156	0.0036J	ND(0.005)	ND(0.005)	ND(0.005)
	10/17/97	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)	0.196	0.0039J	ND(0.010)	ND(0.010)	ND(0.010)
MW-11	01/28/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
•	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
•	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.063	0.330
dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
•	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
•	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
	04/09/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.128	0.008	ND(0.002)	0.027	0.180
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.032	ND(0.005)	0.102	0.006	ND(0.005)	0.032	0.170
	10/17/97	0.0028J	ND(0.010)	ND(0.010)	ND(0.020)	0.048	ND(0.010)	0.142	0.0054J	ND(0.010)	0.031	0.063
MW-12	01/28/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.061
•	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
•	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-12 Cont.	07/20/94	0.160	0.720	0.071	0.610	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.098	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
*	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.098	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.098	0.059
*	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
*	04/13/96	0.098	0.620	0.180	0.890	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
	04/09/97	0.086	0.920	0.138	1.869	0.159	ND(0.020)	0.040	0.051	ND(0.020)	0.046	0.039
dup.	04/09/97	0.079	0.855	0.129	1.837	0.159	ND(0.010)	0.040	0.054	ND(0.010)	0.047	0.039
	07/30/97	0.090	0.969	0.127	2.294	0.136	ND(0.020)	0.035	0.062	ND(0.020)	0.036	0.043
	10/17/97	0.178	1.290	0.853	5.540	0.185	ND(0.050)	0.061	0.186	ND(0.050)	ND(0.050)	0.0445J
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.082
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.086
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025
	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
	04/09/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.00044J	ND(0.001)	ND(0.001)	0.005	0.005
dup.	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.0005J	ND(0.001)	ND(0.001)	0.006	0.005
	07/30/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.009
	10/17/97	0.00062J	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.009
dup.	10/17/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.006	0.007
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-14 Cont.	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.061
dup.	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
	04/09/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.023	ND(0.005)	ND(0.005)	ND(0.005)	0.024
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.036	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	0.043
	10/17/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.019	ND(0.005)	ND(0.005)	ND(0.005)	0.048
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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
	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J
	04/09/97	0.00063J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.00059J	0.002	ND(0.001)	ND(0.001)	0.00073J	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.00068J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	0.00042J	ND(0.001)	ND(0.001)	ND(0.002)	0.013	0.00091J	0.00076J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.030	ND(0.001)	0.020	0.003	ND(0.001)	0.026	0.022
	07/30/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.029	ND(0.002)	0.013	0.00154J	ND(0.002)	0.028	0.018
	10/17/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.056	ND(0.002)	0.015	0.00130J	ND(0.002)	0.038	0.011
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.064
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.086
MW-17A Cont.	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.065
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
	04/09/97	0.007	ND(0.001)	ND(0.001)	ND(0.002)	0.065	0.00092J	0.051	0.008	ND(0.001)	0.051	0.051
	07/30/97	0.00435J	ND(0.005)	ND(0.005)	ND(0.010)	0.051	ND(0.005)	0.045	0.0038J	ND(0.005)	0.045	0.062
	10/17/97	0.006	ND(0.005)	ND(0.005)	ND(0.010)	0.079	ND(0.005)	0.050	0.00265J	ND(0.005)	0.052	0.053
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280
	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
	04/09/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.035	0.00098J	0.115	0.005	ND(0.002)	0.021	0.132
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.026	ND(0.005)	0.080	0.0035J	ND(0.005)	0.017	0.141
	10/17/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.103	ND(0.01)	ND(0.01)	0.027	0.149
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
	04/09/97	0.011	ND(0.002)	ND(0.002)	ND(0.004)	0.049	0.002	0.105	ND(0.002)	ND(0.002)	0.100	0.008
	07/30/97	0.010	ND(0.005)	ND(0.005)	ND(0.010)	0.043	0.00225J	0.093	ND(0.005)	ND(0.005)	0.097	0.010
	10/17/97	0.031	ND(0.01)	ND(0.01)	ND(0.02)	0.066	0.00300J	0.115	ND(0.01)	ND(0.01)	0.086	0.013
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0006J	0.180	0.002	ND(0.001)	0.047	0.097
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.022	0.00069J	0.155	0.002	ND(0.001)	0.044	0.116
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.140	0.0011J	ND(0.002)	0.044	0.121
	10/17/97	0.00200J	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.157	ND(0.01)	ND(0.01)	0.044	0.071
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-19 Cont.	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.116	0.00069J	ND(0.001)	0.004	0.087
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.009	ND(0.002)	0.116	ND(0.002)	ND(0.002)	0.005	0.096
	10/17/97	0.00260J	ND(0.01)	ND(0.01)	ND(0.02)	0.010	ND(0.01)	0.124	ND(0.01)	ND(0.01)	0.00650J	0.086
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.006
	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011
	04/09/97	0.00148J	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.005	0.008
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.0014J	ND(0.002)	0.011	ND(0.002)	ND(0.002)	0.003	0.007
	10/17/97	0.00052J	ND(0.002)	ND(0.002)	ND(0.004)	0.00098J	ND(0.002)	0.007	ND(0.002)	ND(0.002)	0.00144J	0.004
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.063	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.065	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
	04/09/97	0.013	ND(0.001)	ND(0.001)	ND(0.002)	0.014	0.00072J	0.084	ND(0.001)	ND(0.001)	0.021	0.080
	07/30/97	0.014	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.092	ND(0.002)	ND(0.002)	0.024	0.104
	10/17/97	0.016	ND(0.005)	ND(0.005)	ND(0.01)	0.014	ND(0.005)	0.107	ND(0.005)	ND(0.005)	0.028	0.117
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030
	04/09/97	0.015	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00085J	0.035	ND(0.001)	ND(0.001)	0.006	0.020
dup.	04/09/97	0.014	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00078J	0.034	ND(0.001)	ND(0.001)	0.005	0.019
	07/30/97	0.023	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.00118J	0.031	ND(0.002)	ND(0.002)	0.005	0.035
	10/17/97	0.026	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.00144J	0.027	ND(0.002)	ND(0.002)	0.004	0.035
dup.	10/17/97	0.026	ND(0.002)	ND(0.002)	ND(0.004)	0.013	0.00146J	0.028	ND(0.002)	ND(0.002)	0.004	0.028

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-26	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.002
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.00069J	0.004
MW-27	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

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

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

Table 3. Results of soil samples collected from the land farm at the Dowell facility in Artesia, New Mexico

Date Sampled	Location (quadrant) Northeast	Southeast	Northwest	Southwest
	Total Petroleum Hydrocarons (ppm)			
1/21/97	291	30	417	166
5/26/97	428	161	348	136
*7/29/1997	179	41	141	75
**10/17/1997	99	58	62	33

Note: * - TPH as diesel

** - summation of both gasoline and diesel values

ppm - parts per million

TABLE 4. OPERATIONAL CONDITIONS, MAINTENANCE SHOP SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	VACUUM (inches of water) ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFOLD	ZONE 2 BLOWER	ALL ZONES MANIFOLD	ALL ZONES BLOWER
01/31/94	0.0						
02/01/94	5.1	44	48	48	50		
02/02/94	23.2			48	50		
02/03/94	47.8			41	46		
02/10/94	219.4			43	45		
02/16/94	362.1	30	35				
02/23/94	531.0			37	41		
03/04/94	748.6	27	32				
03/11/94	915.3			37	41		
03/18/94	1086.1	28	33				
03/28/94	1325.8	29	34				
04/08/94	1583.0			38	42		
04/19/94	1857.6	31	36	33	38		
05/06/94	2256.0	46	48	48	51		
05/18/94				47	49		
06/01/94				51	53		
06/16/94	3099.9	49	52	48	51		
07/06/94	3100.1	50	52	47	49		
07/21/94	3457.6	44	49	52	54		
08/09/94	3899.9	51	54	49	52		
09/07/94	4093.7	48	50	48	49		
09/30/94	4647.1	52	54	49	51		
10/11/94	4911.1	53	55	48	51		
11/03/94	5445.6	58	60	54	57		
12/05/94	6204.9	57	62	57	61		
01/25/95	7397.0	59	62	54	60		
04/05/95	9047.5	50	65	47	58		
05/09/95	9838.5	55	64	50	60		
06/18/95	10783.6	54	63	50	60		
07/11/95	11325.9	54	63	53	63		
10/18/95	13443.2	55	65	56	65		
11/15/95	14119.8	54	65 (60+)	54	65 (60+)		
11/30/95	14445.3	53	60+	54	60+		
01/11/96	15099.6			54	70		
06/17/96	15230.1	51	70	53	70		
07/24/96	16114.7	54	70	51	70		
10/22/96	18271.5	57	70	56	70		
04/09/97	21364.3					55	56
07/29/97	24000.6					39	54
10/17/97	24722.7					55	53
01/06/98	26658.9					58	60

TABLE 5. OPERATIONAL CONDITIONS, WASH BAY SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

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

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

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

TABLE 5. OPERATIONAL CONDITIONS, WASH BAY SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

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

		VACUUM (inches of water)		
			MANIFOLD (Zones 1,2,3 combined)	
SAMPLE DATE	HOUR METER	BLOWER	SOUTH SUBZONES	NORTH SUBZONES
10/20/95	11774.0	46	60	57
11/15/95	12404.2	35	34	26
11/30/95	12756.7	37	35	35
01/11/96	13742.0	42	44	29
07/24/96	18411.0	39	56	42
10/22/96	20572.9	49	41	35
04/09/97	24621.7	41	33	28
07/30/97	27308.7	65	20	18
10/17/97	29169.7	65	20	19
01/06/98	31106.3	59	39	34

TABLE 6. PID READINGS - VOLATILE ORGANIC COMPOUNDS, MAINTENANCE SHOP SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	PID READING (ppm)			
		EXHAUST	ZONE 1	ZONE 2	ALL ZONES
02/03/94	47.8	0	4	35	
02/10/94	219.4	0	1	12	
02/16/94	362.1	0	1	6	
02/23/94	531.0	3	3	8	
03/04/94	748.6	0	1	6	
03/11/94	915.3	3	3	7	
03/18/94	1086.1	0	0	2	
03/28/94	1325.8	0	0	2	
04/08/94	1583.0	0	0	3.5	
05/18/94	—	0	—	—	
07/06/94	3100.1	0	0	0	
07/21/94	3457.6	0	0	0	
08/09/94	3899.9	0	0	1	
09/06/94	4093.7	0	0	1	
09/30/94	4647.1	0	0.5	1	
10/11/94	4911.1	3	1.8	1	
11/03/94	5445.6	22	4.5	6.3	
12/05/94	6204.9	4	2	5	
01/25/95	7397.0	11	0	50	
04/05/95	9047.5	21	5	5	
05/09/95	9838.5	1.4	0	3	
06/18/95	10783.6	3.6	6	8	
07/11/95	11325.9	1.6	2	2	
10/18/95	14119.8	0.6	0.2	0.8	
11/15/95	14445.2	2	1	1	
01/11/96	15099.6	—	0.2	2.3	
06/17/96	15230.1	—	0.5	3.0	
07/24/96	16114.7	2.8	7.3	11.9	
10/22/96	18271.5	2.9	2.7	4.3	
04/09/97	21364.3				1
07/30/97	24000.6				0
10/17/97	24722.7				0

NOTES:

PID = photoionization detector
ppm = parts per million
— = no data available

TABLE 7. PID READINGS - VOLATILE ORGANIC COMPOUNDS, WASH BAY SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	PID READING (ppm)			
		EXHAUST	ZONE 1	ZONE 2	ZONE 3
02/03/94	45.3	2	84	110	180
02/10/94	217.7	0	56	69	137
02/16/94	359.7	0	23	37	133
02/23/94	528.5	3	22	54	118
03/04/94	746.2	3	42	46	91
03/11/94	912.0	7	44	42	93
03/18/94	1083.9	40	33	44	77
03/28/94	1322.8	18	26	13	21
04/08/94	1581.2	7	29	39	67
05/18/94		0			
07/06/94	3712.1	1	24	66	135
07/21/94	3858.2	0	110	48	71
08/09/94	3859.7	1	31	67	126
09/06/94	4519.5	0	29	40	79
09/30/94	5073.4	44	33/51	69/133	95/161
10/11/94	5328.8	7	43	78	118
11/03/94	5864.3	8	151	434	745
12/05/94	6546.3	4	30	152	240
01/25/95	7738.0	2	35	200	220

Continued on next page

TABLE 7. PID READINGS - VOLATILE ORGANIC COMPOUNDS, WASH BAY SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

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

SAMPLE	HOUR	PID READING (ppm)				
DATE	METER	EXHAUST	ZONE 1	ZONE 2	ZONE 3	COMMENTS
04/05/95	8682.1	0	46	119	199	combined north and south zones
			(S)51	(S)347	(S)419	
			(N)218	(N)125	(N)408	
04/06/95		0	62	156	194	combined north and south zones
			(S)92	(S)348	(S)256	
			(N)301	(N)567	(N)767	
05/09/95	9473.1	151	24	78	80	combined north and south zones
			(S)42	(S)125	(S)217	
			(N)126	(N)337	(N)480	
06/18/95	10418.5	78	23	122	168	combined north and south zones
			(S)35	(S)90	(S)238	
			(N)153	(N)267	(N)368	
07/11/95	10483.6	0	15	28	48	combined N/S subzones (with makeup air)
			(S)5	(S)48	(S)65	no makeup air
			(N)48	(N)78	(N)84	no makeup air
10/20/95	11774.0	2	660			combined Zones 1,2,3 (no makeup air)
			(S)100	(S)420	(S)560	0.5 hours after system startup
			(N)480	(N)640	(N)800	0.5 hours after system startup
11/15/95	12404.2	341	313			combined Zones 1,2,3 (with makeup air)
			392			combined Zones 1,2,3 (no makeup air)
			(S)121	(S)171	(S)177	with makeup air
			(N)203	(N)448	(N)406	with makeup air
			(S)153	(S)206	(S)196	no makeup air
			(N)241	(N)442	(N)469	no makeup air
01/11/96	13742.0		124			combined - all zones
			(S)84	(S)93	(S)75	
			(N)37	(N)112	(N)119	

Continued on next page

TABLE 7. PID READINGS - VOLATILE ORGANIC COMPOUNDS, WASH BAY SVE SYSTEM, DOWELL, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	PID READING (ppm) EXHAUST	ZONE 1	ZONE 2	ZONE 3	COMMENTS
06/17/96			212			combined - all zones
07/24/96			156			combined - all zones
10/22/96			163			combined - all zones
04/09/97		29	38.9			combined - all zones
07/29/97			63			combined - all zones
10/17/97		18	20.5			combined - all zones

TABLE 8. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	7.00
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.40
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	3.00
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)	1.90
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
*	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20	NA
	10/18/95	ND(0.2)	2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00	ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20	1.80
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60	ND(1)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10	2.50
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00	ND(1)
*	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07	ND(0.04)
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68	ND(0.2)
	10/18/95	ND(0.2)	2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-COMP	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60J	NA
WB-1	02/10/94	ND(1)	3.57	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)	ND(2)
	02/16/94	ND(1)	1.20	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50	9.10
	02/23/94	ND(0.5)	2.20	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.60	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.60	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60	4.10
	03/18/94	ND(0.5)	14.60	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)	21.30
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	4.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)	1.20
	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)

TABLE 8. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-1 Cont.	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00	ND(1)
	07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	ND(0.001)	0.19	0.14	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04	NA
	01/25/95	ND(0.04)	0.16	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28	ND(0.2)
WB-2	02/10/94	1.67	5.03	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3.00	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50	6.70
	02/23/94	1.40	9.30	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.30	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.40	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	26.70
	03/18/94	0.70	4.80	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	18.70
	03/28/94	ND(0.5)	1.90	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.10	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	4.10	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	1.60
	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.28
*	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23	NA
	01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
WB-3	02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	ND(2)
	02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60	1.40
	03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)	3.80
	03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)	46.40
	03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)	13.30
	05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	NA
	01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37	ND(0.04)
	05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)

TABLE 8. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-N1	05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	ND(0.2)
WB-N2	05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	ND(0.2)
WB-N3	05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	ND(0.2)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38	ND(0.2)
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	NA
	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	3.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	10.07	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.
During and after January 1995, the laboratory analytical method used was EPA Method 8260.
See laboratory reports for concentrations of additional analytes.
In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:
mg/m3 = milligrams per cubic meter
* = units reported as "ppm" or "mg/L". Detection limit may be incorrect.
J = chemical present above instrument detection limit but below method detection limit
NA = not analyzed
MS = Maintenance Shop SVE system
WB = Wash Bay SVE system
WB-N1 = north subzone of Wash Bay Zone 1
WB-N2 = north subzone of Wash Bay Zone 2
WB-N3 = north subzone of Wash Bay Zone 3
WB-COMP = composite sample from Wash Bay zones 1, 2, and 3
MS-COMP = composite sample from Maintenance Shop zones 1 and 2

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

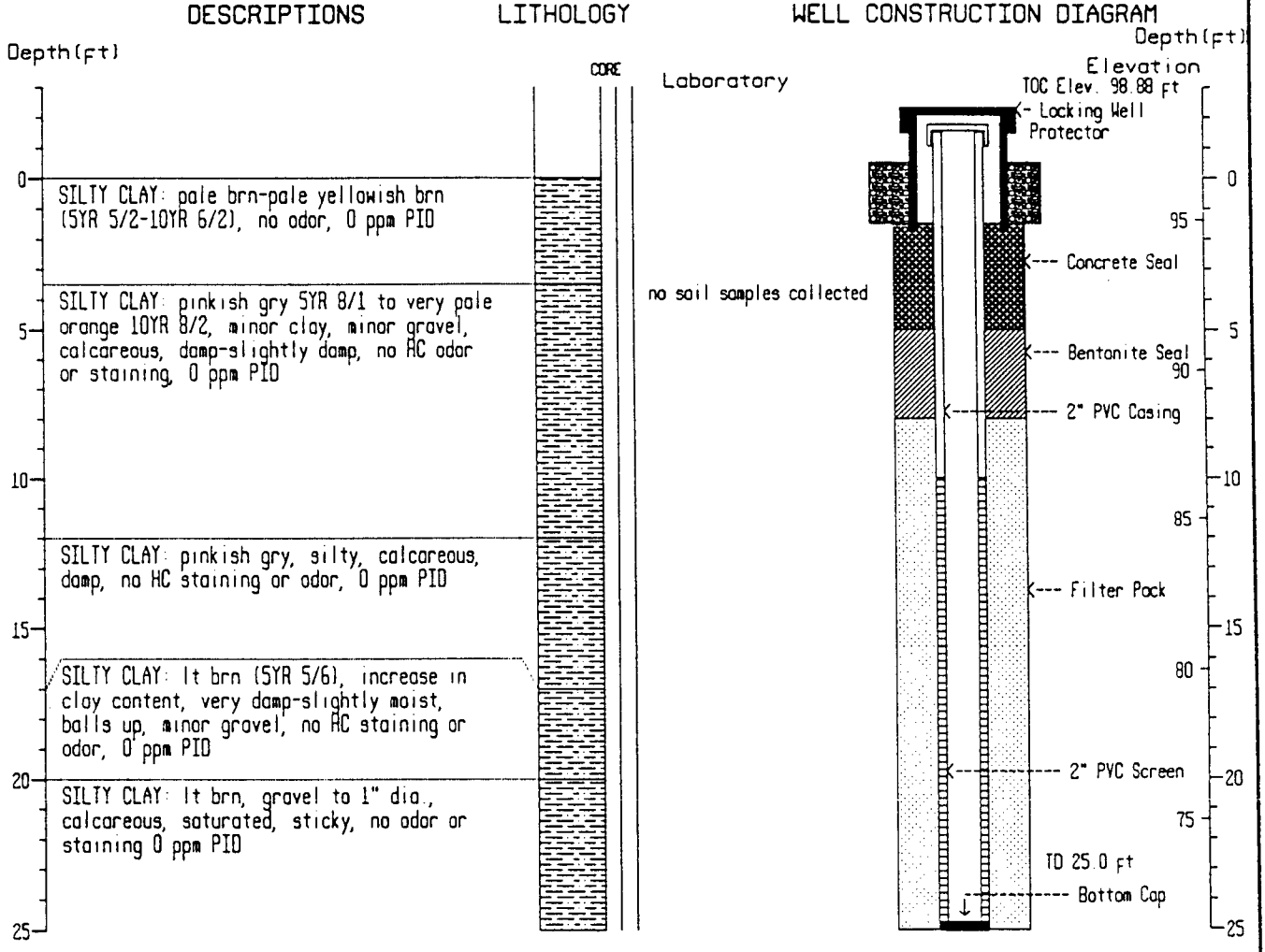
APPENDIX A

LITHOLOGIC AND WELL COMPLETION LOGS

MONITORING WELL MW-25

LOCATION: Dowell Schlumberger, Artesia, New Mexico
North of MW-22
T17S, R26E, Sec 9, SE 1/9, SW 1/9
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5.0" OD
CASING: 2" Dia Flush Joint Sch 40 PVC
SCREEN: Slotted Casing, 0.020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)

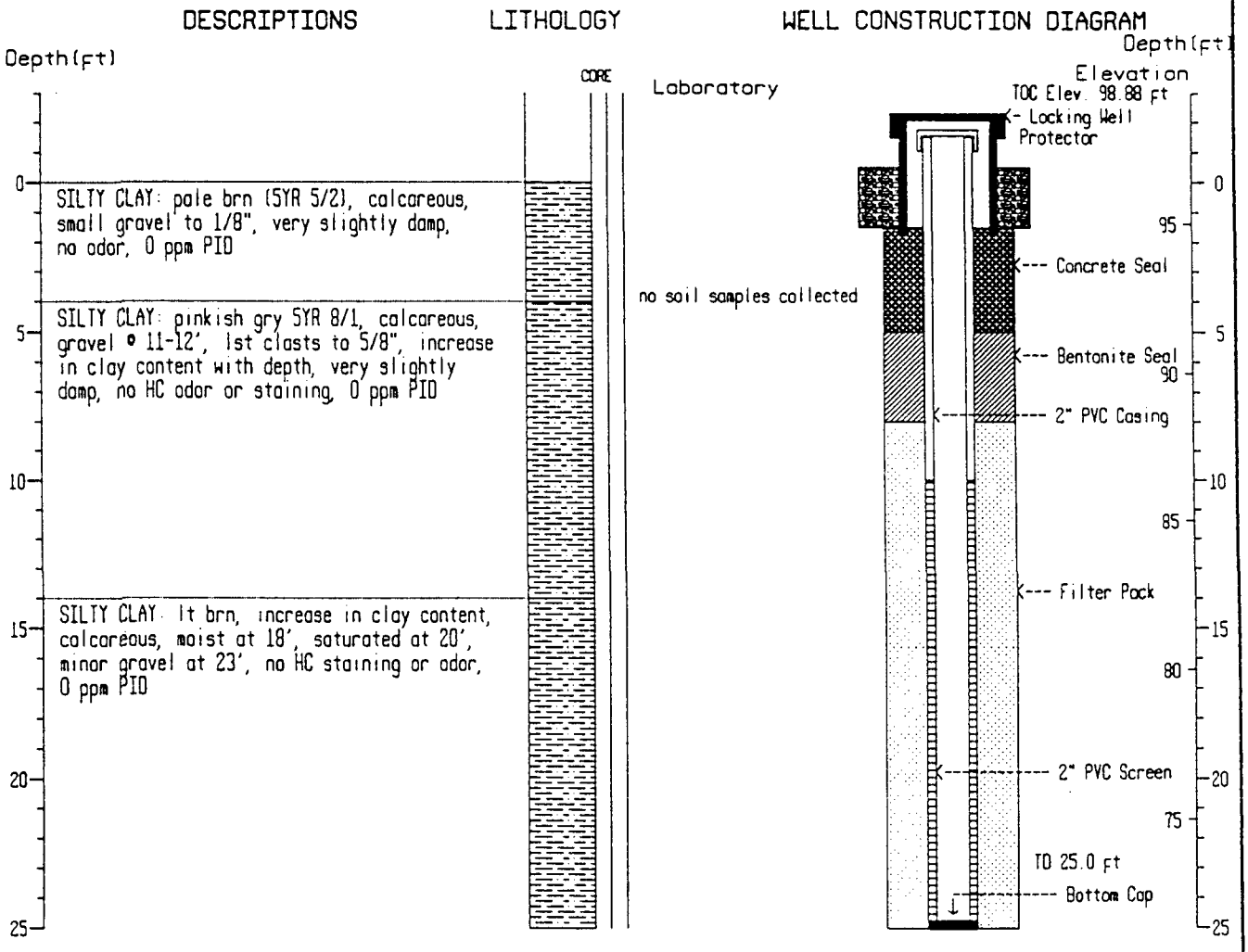


Western Water Consultants, Inc.

MONITORING WELL MW-26

LOCATION: Dowell Schlumberger, Artesia, New Mexico
Very northeast corner of property
T17S, R26E, Sec 4, SE 1/4, SW 1/4
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5 0" OD
CASING: 2" Dia. Flush Joint Sch. 40 PVC
SCREEN: Slotted Casing, 0 020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)

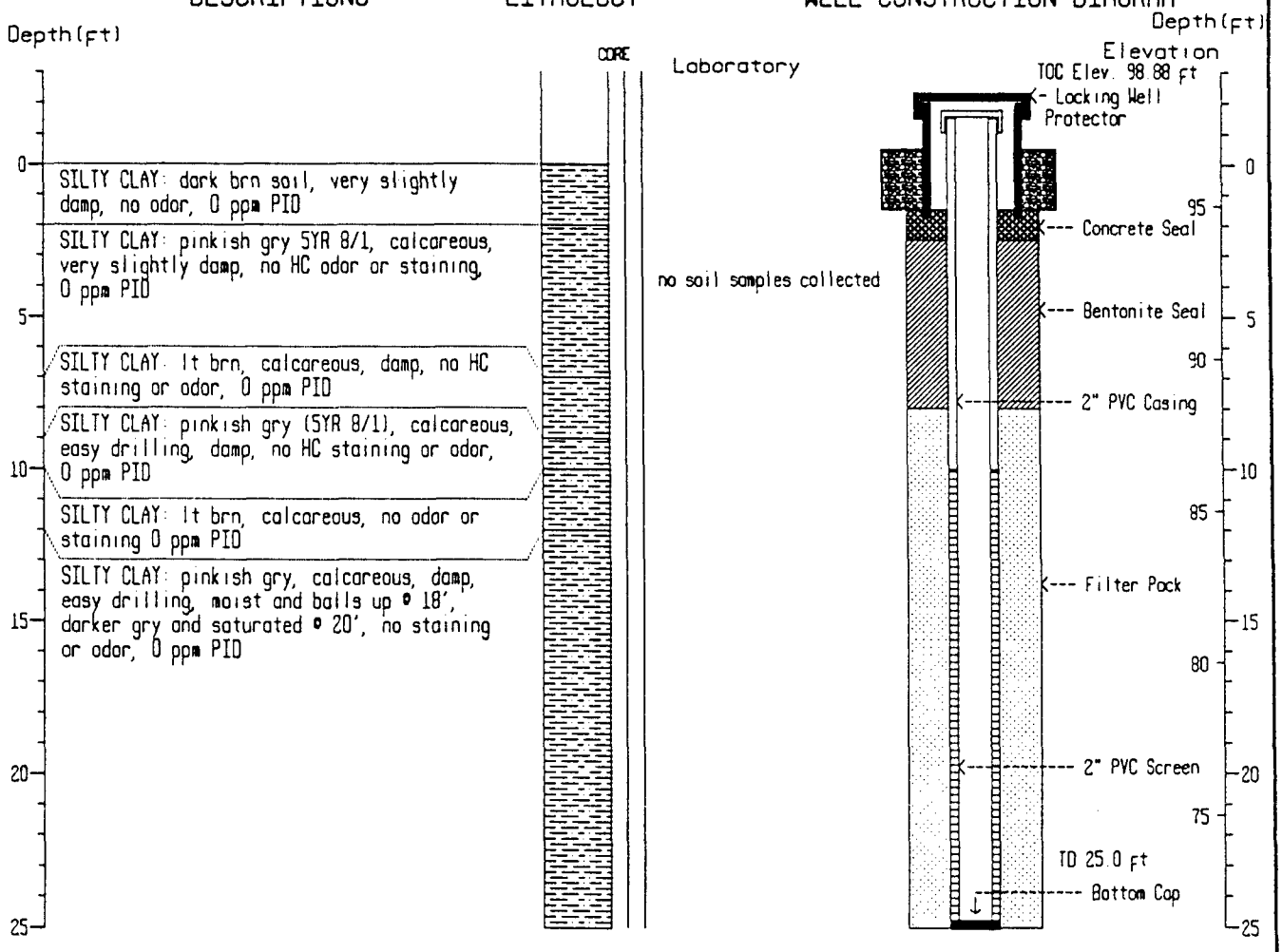


Western Water Consultants, Inc.

MONITORING WELL MW-27

LOCATION: Dowell Schlumberger, Artesia, New Mexico
Along the east property line near the northeast corner
T17S, R26E, Sec 4, SE 1/4, SW 1/4
LOG: Western Water Consultants Inc. (Kevin Mattson)
DRILLER: Scarbourgh Drilling (Lane Scarbourgh)
STATE ENGINEER NO: NA
INSTALLATION DATE: March 3, 1997

WELL OWNER: Dowell Schlumberger Inc. (JN 90-125)
DRILLING METHOD: Air Rotary, 5.0" OD
CASING: 2" Dia. Flush Joint Sch. 40 PVC
SCREEN: Slotted Casing, 0.020 Inch Slots
FILTER PACK: 8/16 Mesh Silica Sand
WATER TABLE ELEVATION: NA
(Reference Datum: Arbitrary = 100.00 feet)



Western Water Consultants, Inc.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

ENERGY LABORATORIES, INC.
SHIPPING: 2393 SALT CREEK HIGHWAY • CASPER, WY 82601
MAILING: P.O. BOX 3258 • CASPER, WY 82602
E-mail: energy@trib.com • FAX: (307) 234-1639 • PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-1.10/97 MW-1	Date Sampled:	10/17/97
Laboratory ID:	C97-63820	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	1	Date Reported:	November 5, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	**1,2 - Dichloroethane**	**1.45**	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**26.4**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	**Ethylbenzene**	**2.58**	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-1.10/97 MW-1
Laboratory ID: C97-63820

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	779506	792953	98.3%	50 - 200 %
Fluorobenzene	1526590	1515940	101%	50 - 200 %
1,4 - Difluorobenzene	1473735	1453553	101%	50 - 200 %
Chlorobenzene - d5	1072710	1112136	96.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	428525	446806	95.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-2.10/97 MW-2
Laboratory ID: C97-63821
Matrix: Water
Dilution Factor: 2

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	1,1 - Dichloroethene	ND		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**1.08**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**3.60**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**7.78**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**31.1**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	**Ethylbenzene**	**23.6**		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-2.10/97 MW-2
Laboratory ID: C97-63821

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**5.78**		2.0
108-86-1	Bromobenzene	ND		2.0
103-65-1	**n - Propylbenzene**	**6.64**		2.0
95-49-8	2 - Chlorotoluene	ND		2.0
106-43-4	4 - Chlorotoluene	ND		2.0
108-67-8	1,3,5 - Trimethylbenzene	ND		2.0
98-06-6	tert - Butylbenzene	ND		2.0
95-63-6	1,2,4 - Trimethylbenzene	ND		2.0
135-98-8	**sec - Butylbenzene**	**12.2**		2.0
541-73-1	1,3 - Dichlorobenzene	ND		2.0
106-46-7	1,4 - Dichlorobenzene	ND		2.0
99-87-6	4-Isopropyltoluene	ND		2.0
95-50-1	1,2 - Dichlorobenzene	ND		2.0
104-51-8	**n - Butylbenzene**	**1.86**	J	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		10.0
120-82-1	1,2,4 - Trichlorobenzene	ND		2.0
91-20-3	Naphthalene	ND		2.0
87-68-3	Hexachlorobutadiene	ND		2.0
87-61-6	1,2 3 - Trichlorobenzene	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	888431	792953	112%	50 - 200 %
Fluorobenzene	1653243	1515940	109%	50 - 200 %
1,4 - Difluorobenzene	1567739	1453553	108%	50 - 200 %
Chlorobenzene - d5	1168023	1112136	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	464591	446806	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.89	98.9%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.90	99.0%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-3.10/97 MW-3	Date Sampled:	10/17/97
Laboratory ID:	C97-63822	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	20	Date Reported:	November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		20.0
74-87-3	Chloromethane	ND		20.0
75-01-4	Vinyl chloride (Chloroethene)	ND		20.0
74-83-9	Bromomethane	ND		20.0
75-00-3	Chloroethane	ND		20.0
75-69-4	Trichlorofluoromethane	ND		20.0
75-35-4	**1,1 - Dichloroethene**	**15.8**	J	20.0
75-09-2	Methylene chloride (Dichloromethane)	ND		20.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		20.0
75-34-3	**1,1 - Dichloroethane**	**69.2**		20.0
78-93-3	2 -Butanone (MEK)	ND		200
156-59-2	cis - 1,2 - Dichloroethene	ND		20.0
74-97-5	Bromochloromethane	ND		20.0
67-66-3	Chloroform (Trichloromethane)	ND		20.0
594-20-7	2,2 - Dichloropropane	ND		20.0
71-55-6	1,1,1 - Trichloroethane	ND		20.0
107-06-2	1,2 - Dichloroethane	ND		20.0
563-58-6	1,1 - Dichloropropene	ND		20.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		20.0
71-43-2	**Benzene**	**44.2**		20.0
74-95-3	Dibromomethane	ND		20.0
78-87-5	1,2 - Dichloropropane	ND		20.0
79-01-6	**Trichloroethene**	**18.2**	J	20.0
75-27-4	Bromodichloromethane	ND		20.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		20.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		20.0
79-00-5	1,1,2 - Trichloroethane	ND		20.0
108-88-3	**Toluene**	**41.2**		20.0
106-93-4	1,2 - Dibromoethane	ND		20.0
142-28-9	1,3 - Dichloropropane	ND		20.0
124-48-1	Dibromochloromethane	ND		20.0
127-18-4	**Tetrachloroethene**	**15.8**	J	20.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		20.0
108-90-7	Chlorobenzene	ND		20.0
100-41-4	**Ethylbenzene**	**464**		20.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**1,250**		40.0
75-25-2	Bromoform (Tribromomethane)	ND		20.0
100-42-5	Styrene (Ethenylbenzene)	ND		20.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**2,050**		20.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		20.0
96-18-4	1,2,3 - Trichloropropane	ND		20.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-3
Sample ID: 90125-3.10/97
Laboratory ID: C97-63822

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**208**	20.0
108-86-1	Bromobenzene	ND	20.0
103-65-1	**n - Propylbenzene**	**393**	20.0
95-49-8	2 - Chlorotoluene	ND	20.0
106-43-4	4 - Chlorotoluene	ND	20.0
108-67-8	**1,3,5 - Trimethylbenzene**	**2,020**	20.0
98-06-6	**tert - Butylbenzene**	**270**	20.0
95-63-6	**1,2,4 - Trimethylbenzene**	**2,100**	20.0
135-98-8	sec - Butylbenzene	ND	20.0
541-73-1	1,3 - Dichlorobenzene	ND	20.0
106-46-7	1,4 - Dichlorobenzene	ND	20.0
99-87-6	4-Isopropyltoluene	ND	20.0
95-50-1	1,2 - Dichlorobenzene	ND	20.0
104-51-8	n - Butylbenzene	ND	20.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	100
120-82-1	1,2,4 - Trichlorobenzene	ND	20.0
91-20-3	**Naphthalene**	**361**	20.0
87-68-3	Hexachlorobutadiene	ND	20.0
87-61-6	1,2 3 - Trichlorobenzene	ND	20.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	609659	792953	76.9%	50 - 200 %
Fluorobenzene	1436452	1515940	94.8%	50 - 200 %
1,4 - Difluorobenzene	1334369	1453553	91.8%	50 - 200 %
Chlorobenzene - d5	991338	1112136	89.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	352919	446806	79.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.57	95.7%	86 - 118 %
Toluene - d8	9.95	99.5%	88 - 110 %
4 - Bromofluorobenzene	9.60	96.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.62	96.2%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-4.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63823	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	2	Date Reported:	November 5, 1997

MW-4

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	1,1 - Dichloroethane	ND	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	Tetrachloroethene	ND	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-4.10/97
Laboratory ID: C97-63823

mw-4

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	904298	792953	114%	50 - 200 %
Fluorobenzene	1655919	1515940	109%	50 - 200 %
1,4 - Difluorobenzene	1564045	1453553	108%	50 - 200 %
Chlorobenzene - d5	1156391	1112136	104%	50 - 200 %
1,4 - Dichlorobenzene - d4	460939	446806	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.78	97.8%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.67	96.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-5.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63824	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	2	Date Reported:	November 5, 1997

MW-5

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	1,1 - Dichloroethene	ND		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**1.46**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**15.6**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**3.66**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**33.1**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	**Ethylbenzene**	**47.9**		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-5.10/97
Laboratory ID: C97-63824

MW-5

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**9.12**	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	**n - Propylbenzene**	**18.5**	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	**sec - Butylbenzene**	**5.70**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene- -	971442	792953	123%	50 - 200 %
Fluorobenzene	1755512	1515940	116%	50 - 200 %
1,4 - Difluorobenzene	1705209	1453553	117%	50 - 200 %
Chlorobenzene - d5	1255902	1112136	113%	50 - 200 %
1,4 - Dichlorobenzene - d4	497052	446806	111%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.73	97.3%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.81	98.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.77	97.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-6.10/97 MW-6
Laboratory ID: C97-63825
Matrix: Water
Dilution Factor: 2

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**22.6**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**11.2**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**6.88**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-6.10/97
Laboratory ID: C97-63825

mw-6

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	771691	792953	97.3%	50 - 200 %
Fluorobenzene	1569165	1515940	104%	50 - 200 %
1,4 - Difluorobenzene	1528625	1453553	105%	50 - 200 %
Chlorobenzene - d5	1118555	1112136	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	463011	446806	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.3	113%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	10.7	107%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-7.10/97
Laboratory ID: C97-63826
Matrix: Water
Dilution Factor: 10

MW-7

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**255**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**28.5**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**4.60**	J	10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**19.6**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**153**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-7
Sample ID: 90125-7.10/97
Laboratory ID: C97-63826

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	783325	792953	98.8%	50 - 200 %
Fluorobenzene	1580678	1515940	104%	50 - 200 %
1,4 - Difluorobenzene	1546839	1453553	106%	50 - 200 %
Chlorobenzene - d5	1175263	1112136	106%	50 - 200 %
1,4 - Dichlorobenzene - d4	454781	446806	102%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.3	113%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.7	107%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-8.10/97 MW-8
Laboratory ID: C97-63827
Matrix: Water
Dilution Factor: 2

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**104**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**10.0**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**0.76**	J	2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**9.80**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**26.0**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-8.10/97
Laboratory ID: C97-63827

MW-8

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	548017	792953	69.1%	50 - 200 %
Fluorobenzene	1351837	1515940	89.2%	50 - 200 %
1,4 - Difluorobenzene	1266689	1453553	87.1%	50 - 200 %
Chlorobenzene - d5	954490	1112136	85.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	336521	446806	75.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.78	97.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-9.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63828	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	1	Date Reported:	November 5, 1997

MW-9

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	**Chloroethane**	**0.85**	J	1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.85**	J	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**17.5**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**0.81**	J	1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-9
Sample ID: 90125-9.10/97
Laboratory ID: C97-63828

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**1.55**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	879423	792953	111%	50 - 200 %
Fluorobenzene	1624357	1515940	107%	50 - 200 %
1,4 - Difluorobenzene	1534304	1453553	106%	50 - 200 %
Chlorobenzene - d5	1199108	1112136	108%	50 - 200 %
1,4 - Dichlorobenzene - d4	493874	446806	111%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.8	108%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	11.0	110%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-10.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63829	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	10	Date Reported:	November 5, 1997

MW-10

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**196**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	1,1 - Dichloroethane	ND		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	**1,1,1 - Trichloroethane**	**3.90**	J	10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	Benzene	ND		10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	Trichloroethene	ND		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	Tetrachloroethene	ND		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-10.10/97
Laboratory ID: C97-63829

mw-10

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	619517	792953	78.1%	50 - 200 %
Fluorobenzene	1282684	1515940	84.6%	50 - 200 %
1,4 - Difluorobenzene	1236416	1453553	85.1%	50 - 200 %
Chlorobenzene - d5	947109	1112136	85.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	359407	446806	80.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.6	116%	86 - 118 %
Toluene - d8	10.6	106%	88 - 110 %
4 - Bromofluorobenzene	10.8	108%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.90	99.0%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-11.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63830	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	10	Date Reported:	November 5, 1997

MW-11

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**142**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**47.6**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	**1,1,1 - Trichloroethane**	**5.40**	J	10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**2.80**	J	10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**31.1**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**63.4**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-11.10/97
Laboratory ID: C97-63830

MW-11

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	710288	792953	89.6%	50 - 200 %
Fluorobenzene	1439890	1515940	95.0%	50 - 200 %
1,4 - Difluorobenzene	1413554	1453553	97.2%	50 - 200 %
Chlorobenzene - d5	1089423	1112136	98.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	415332	446806	93.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.7	117%	86 - 118 %
Toluene - d8	9.99	99.9%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-12.10/97 MW-12
Laboratory ID: C97-63831
Matrix: Water
Dilution Factor: 50

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		50.0
74-87-3	Chloromethane	ND		50.0
75-01-4	Vinyl chloride (Chloroethene)	ND		50.0
74-83-9	Bromomethane	ND		50.0
75-00-3	Chloroethane	ND		50.0
75-69-4	Trichlorofluoromethane	ND		50.0
75-35-4	**1,1 - Dichloroethene**	**61.0**		50.0
75-09-2	Methylene chloride (Dichloromethane)	ND		50.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		50.0
75-34-3	**1,1 - Dichloroethane**	**185**		50.0
78-93-3	2 -Butanone (MEK)	ND		500
156-59-2	cis - 1,2 - Dichloroethene	ND		50.0
74-97-5	Bromochloromethane	ND		50.0
67-66-3	Chloroform (Trichloromethane)	ND		50.0
594-20-7	2,2 - Dichloropropane	ND		50.0
71-55-6	**1,1,1 - Trichloroethane**	**186**		50.0
107-06-2	1,2 - Dichloroethane	ND		50.0
563-58-6	1,1 - Dichloropropene	ND		50.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		50.0
71-43-2	**Benzene**	**178**		50.0
74-95-3	Dibromomethane	ND		50.0
78-87-5	1,2 - Dichloropropane	ND		50.0
79-01-6	Trichloroethene	ND		50.0
75-27-4	Bromodichloromethane	ND		50.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		50.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		50.0
79-00-5	1,1,2 - Trichloroethane	ND		50.0
108-88-3	**Toluene**	**853**		50.0
106-93-4	1,2 - Dibromoethane	ND		50.0
142-28-9	1,3 - Dichloropropane	ND		50.0
124-48-1	Dibromochloromethane	ND		50.0
127-18-4	**Tetrachloroethene**	**44.5**	J	50.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		50.0
108-90-7	Chlorobenzene	ND		50.0
100-41-4	**Ethylbenzene**	**1,290**		50.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**1,880**		100
75-25-2	Bromoform (Tribromomethane)	ND		50.0
100-42-5	Styrene (Ethenylbenzene)	ND		50.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**3,660**		50.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		50.0
96-18-4	1,2,3 - Trichloropropane	ND		50.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-12
Sample ID: 90125-12.10/97
Laboratory ID: C97-63831

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**610**		50.0
108-86-1	Bromobenzene	ND		50.0
103-65-1	**n - Propylbenzene**	**1,170**		50.0
95-49-8	2 - Chlorotoluene	ND		50.0
106-43-4	4 - Chlorotoluene	ND		50.0
108-67-8	**1,3,5 - Trimethylbenzene**	**2,780**		50.0
98-06-6	**tert - Butylbenzene**	**508**		50.0
95-63-6	**1,2,4 - Trimethylbenzene**	**4,150**		50.0
135-98-8	**sec - Butylbenzene**	**24.5**		50.0
541-73-1	1,3 - Dichlorobenzene	ND		50.0
106-46-7	1,4 - Dichlorobenzene	ND		50.0
99-87-6	**4-Isopropyltoluene**	**28.0**	J	50.0
95-50-1	1,2 - Dichlorobenzene	ND		50.0
104-51-8	**n - Butylbenzene**	**22.0**	J	50.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		250
120-82-1	1,2,4 - Trichlorobenzene	ND		50.0
91-20-3	**Naphthalene**	**573**		50.0
87-68-3	Hexachlorobutadiene	ND		50.0
87-61-6	1,2 3 - Trichlorobenzene	ND		50.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	531293	792953	67.0%	50 - 200 %
Fluorobenzene	1319461	1515940	87.0%	50 - 200 %
1,4 - Difluorobenzene	1234294	1453553	84.9%	50 - 200 %
Chlorobenzene - d5	921263	1112136	82.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	324511	446806	72.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.92	99.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.82	98.2%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-13.10/97 MW-13
Laboratory ID: C97-63832
Matrix: Water
Dilution Factor: 1

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**2.95**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.62**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**5.99**		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**9.03**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	10/17/97
Sample ID:	90125-13.10/97 MW-13	Date Analyzed:	10/22/97
Laboratory ID:	C97-63832	Date Reported:	November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	**sec - Butylbenzene**	**1.95**	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	659207	792953	83.1%	50 - 200 %
Fluorobenzene	1414176	1515940	93.3%	50 - 200 %
1,4 - Difluorobenzene	1355072	1453553	93.2%	50 - 200 %
Chlorobenzene - d5	1037187	1112136	93.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	410057	446806	91.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.07	90.7%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.91	99.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-B.10/97
Laboratory ID: C97-63850
Matrix: Water
Dilution Factor: 2

Duplicate of MW-13

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**3.46**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**5.64**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**6.64**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-B.10/97
Laboratory ID: C97-63850

Duplicate of MW-13

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND		2.0
108-86-1	Bromobenzene	ND		2.0
103-65-1	n - Propylbenzene	ND		2.0
95-49-8	2 - Chlorotoluene	ND		2.0
106-43-4	4 - Chlorotoluene	ND		2.0
108-67-8	1,3,5 - Trimethylbenzene	ND		2.0
98-06-6	tert - Butylbenzene	ND		2.0
95-63-6	1,2,4 - Trimethylbenzene	ND		2.0
135-98-8	**sec - Butylbenzene**	**1.62**	**J**	2.0
541-73-1	1,3 - Dichlorobenzene	ND		2.0
106-46-7	1,4 - Dichlorobenzene	ND		2.0
99-87-6	4-Isopropyltoluene	ND		2.0
95-50-1	1,2 - Dichlorobenzene	ND		2.0
104-51-8	n - Butylbenzene	ND		2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		10.0
120-82-1	1,2,4 - Trichlorobenzene	ND		2.0
91-20-3	Naphthalene	ND		2.0
87-68-3	Hexachlorobutadiene	ND		2.0
87-61-6	1,2 3 - Trichlorobenzene	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	504134	792953	63.6%	50 - 200 %
Fluorobenzene	1259378	1515940	83.1%	50 - 200 %
1,4 - Difluorobenzene	1189144	1453553	81.8%	50 - 200 %
Chlorobenzene - d5	905907	1112136	81.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	310280	446806	69.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.86	98.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-14.10/97
Laboratory ID: C97-63833
Matrix: Water
Dilution Factor: 5

MW-14

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	5.0
74-87-3	Chloromethane	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	5.0
74-83-9	Bromomethane	ND	5.0
75-00-3	Chloroethane	ND	5.0
75-69-4	Trichlorofluoromethane	ND	5.0
75-35-4	**1,1 - Dichloroethene**	**19.2**	5.0
75-09-2	Methylene chloride (Dichloromethane)	ND	5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.0
75-34-3	**1,1 - Dichloroethane**	**38.5**	5.0
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
67-66-3	Chloroform (Trichloromethane)	ND	5.0
594-20-7	2,2 - Dichloropropane	ND	5.0
71-55-6	1,1,1 - Trichloroethane	ND	5.0
107-06-2	1,2 - Dichloroethane	ND	5.0
563-58-6	1,1 - Dichloropropene	ND	5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.0
71-43-2	Benzene	ND	5.0
74-95-3	Dibromomethane	ND	5.0
78-87-5	1,2 - Dichloropropane	ND	5.0
79-01-6	Trichloroethene	ND	5.0
75-27-4	Bromodichloromethane	ND	5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.0
79-00-5	1,1,2 - Trichloroethane	ND	5.0
108-88-3	Toluene	ND	5.0
106-93-4	1,2 - Dibromoethane	ND	5.0
142-28-9	1,3 - Dichloropropane	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
127-18-4	**Tetrachloroethene**	**48.4**	5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
100-41-4	Ethylbenzene	ND	5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.0
100-42-5	Styrene (Ethenylbenzene)	ND	5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	5.0
96-18-4	1,2,3 - Trichloropropane	ND	5.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-14.10/97
Laboratory ID: C97-63833

mw-14

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	696559	792953	87.8%	50 - 200 %
Fluorobenzene	1489602	1515940	98.3%	50 - 200 %
1,4 - Difluorobenzene	1406820	1453553	96.8%	50 - 200 %
Chlorobenzene - d5	1068064	1112136	96.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	416453	446806	93.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.85	88.5%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-15.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63834	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	1	Date Reported:	November 5, 1997

MW-15

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.76**	J	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**13.0**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	**cis - 1,2 - Dichloroethene**	**0.77**	J	1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	**1,2 - Dichloroethane**	**0.91**	J	1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	**Benzene**	**0.42**	J	1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-15
Sample ID: 90125-15.10/97
Laboratory ID: C97-63834

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	775396	792953	97.8%	50 - 200 %
Fluorobenzene	1546639	1515940	102%	50 - 200 %
1,4 - Difluorobenzene	1479746	1453553	102%	50 - 200 %
Chlorobenzene - d5	1123073	1112136	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	456241	446806	102%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.3	113%	86 - 118 %
Toluene - d8	10.6	106%	88 - 110 %
4 - Bromofluorobenzene	11.1	111%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17D.10/97
Laboratory ID: C97-63838
Matrix: Water
Dilution Factor: 2

MW-17D

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**14.7**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**55.5**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**1.30**	J	2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**4.48**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**37.8**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**10.9**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17D.10/97
Laboratory ID: C97-63838

MW-17D

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**3.74**		2.0
108-86-1	Bromobenzene	ND		2.0
103-65-1	n - Propylbenzene	ND		2.0
95-49-8	2 - Chlorotoluene	ND		2.0
106-43-4	4 - Chlorotoluene	ND		2.0
108-67-8	1,3,5 - Trimethylbenzene	ND		2.0
98-06-6	tert - Butylbenzene	ND		2.0
95-63-6	**1,2,4 - Trimethylbenzene**	**6.20**		2.0
135-98-8	**sec - Butylbenzene**	**1.60**	J	2.0
541-73-1	1,3 - Dichlorobenzene	ND		2.0
106-46-7	1,4 - Dichlorobenzene	ND		2.0
99-87-6	4-Isopropyltoluene	ND		2.0
95-50-1	1,2 - Dichlorobenzene	ND		2.0
104-51-8	n - Butylbenzene	ND		2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		10.0
120-82-1	1,2,4 - Trichlorobenzene	ND		2.0
91-20-3	**Naphthalene**	**1.68**	J	2.0
87-68-3	Hexachlorobutadiene	ND		2.0
87-61-6	1,2 3 - Trichlorobenzene	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	694053	792953	87.5%	50 - 200 %
Fluorobenzene	1438372	1515940	94.9%	50 - 200 %
1,4 - Difluorobenzene	1371934	1453553	94.4%	50 - 200 %
Chlorobenzene - d5	1059415	1112136	95.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	421375	446806	94.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.3	113%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.7	107%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17A.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63835	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	5	Date Reported:	November 5, 1997

MW-17A

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		5.0
74-87-3	Chloromethane	ND		5.0
75-01-4	Vinyl chloride (Chloroethene)	ND		5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	Chloroethane	ND		5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	**1,1 - Dichloroethene**	**49.8**		5.0
75-09-2	Methylene chloride (Dichloromethane)	ND		5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		5.0
75-34-3	**1,1 - Dichloroethane**	**78.9**		5.0
78-93-3	2 -Butanone (MEK)	ND		50.0
156-59-2	cis - 1,2 - Dichloroethene	ND		5.0
74-97-5	Bromochloromethane	ND		5.0
67-66-3	Chloroform (Trichloromethane)	ND		5.0
594-20-7	2,2 - Dichloropropane	ND		5.0
71-55-6	**1,1,1 - Trichloroethane**	**2.65**	**J**	5.0
107-06-2	1,2 - Dichloroethane	ND		5.0
563-58-6	1,1 - Dichloropropene	ND		5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		5.0
71-43-2	**Benzene**	**6.20**		5.0
74-95-3	Dibromomethane	ND		5.0
78-87-5	1,2 - Dichloropropane	ND		5.0
79-01-6	**Trichloroethene**	**52.1**		5.0
75-27-4	Bromodichloromethane	ND		5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		5.0
79-00-5	1,1,2 - Trichloroethane	ND		5.0
108-88-3	Toluene	ND		5.0
106-93-4	1,2 - Dibromoethane	ND		5.0
142-28-9	1,3 - Dichloropropane	ND		5.0
124-48-1	Dibromochloromethane	ND		5.0
127-18-4	**Tetrachloroethene**	**53.3**		5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		5.0
108-90-7	Chlorobenzene	ND		5.0
100-41-4	Ethylbenzene	ND		5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		10.0
75-25-2	Bromoform (Tribromomethane)	ND		5.0
100-42-5	Styrene (Ethenylbenzene)	ND		5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		5.0
96-18-4	1,2,3 - Trichloropropane	ND		5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17A.10/97
Laboratory ID: C97-63835

MW-17A

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**31.1**	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	**sec - Butylbenzene**	**10.9**	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	771331	792953	97.3%	50 - 200 %
Fluorobenzene	1529315	1515940	101%	50 - 200 %
1,4 - Difluorobenzene	1462000	1453553	101%	50 - 200 %
Chlorobenzene - d5	1120627	1112136	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	427054	446806	95.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.0	110%	86 - 118 %
Toluene - d8	10.7	107%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17B.10/97
Laboratory ID: C97-63836
Matrix: Water
Dilution Factor: 10

mw-17B

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	10.0
74-87-3	Chloromethane	ND	10.0
75-01-4	Vinyl chloride (Chloroethene)	ND	10.0
74-83-9	Bromomethane	ND	10.0
75-00-3	Chloroethane	ND	10.0
75-69-4	Trichlorofluoromethane	ND	10.0
75-35-4	**1,1 - Dichloroethene**	**103**	10.0
75-09-2	Methylene chloride (Dichloromethane)	ND	10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	10.0
75-34-3	**1,1 - Dichloroethane**	**53.0**	10.0
78-93-3	2 -Butanone (MEK)	ND	100
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	ND	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	ND	10.0
107-06-2	1,2 - Dichloroethane	ND	10.0
563-58-6	1,1 - Dichloropropene	ND	10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	10.0
71-43-2	Benzene	ND	10.0
74-95-3	Dibromomethane	ND	10.0
78-87-5	1,2 - Dichloropropane	ND	10.0
79-01-6	**Trichloroethene**	**26.7**	10.0
75-27-4	Bromodichloromethane	ND	10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	10.0
79-00-5	1,1,2 - Trichloroethane	ND	10.0
108-88-3	Toluene	ND	10.0
106-93-4	1,2 - Dibromoethane	ND	10.0
142-28-9	1,3 - Dichloropropane	ND	10.0
124-48-1	Dibromochloromethane	ND	10.0
127-18-4	**Tetrachloroethene**	**149**	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	10.0
108-90-7	Chlorobenzene	ND	10.0
100-41-4	Ethylbenzene	ND	10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	20.0
75-25-2	Bromoform (Tribromomethane)	ND	10.0
100-42-5	Styrene (Ethenylbenzene)	ND	10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	10.0
96-18-4	1,2,3 - Trichloropropane	ND	10.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17B.10/97
Laboratory ID: C97-63836

MW-17B

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	761493	792953	96.0%	50 - 200 %
Fluorobenzene	1534938	1515940	101%	50 - 200 %
1,4 - Difluorobenzene	1460354	1453553	100%	50 - 200 %
Chlorobenzene - d5	1090271	1112136	98.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	414771	446806	92.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.9	109%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17C.10/97
Laboratory ID: C97-63837
Matrix: Water
Dilution Factor: 10

MW-17C

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**115**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**66.0**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	**1,2 - Dichloroethane**	**3.00**	J	10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**30.5**		10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**86.4**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**12.6**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-17C.10/97
Laboratory ID: C97-63837

MW-17C

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	691693	792953	87.2%	50 - 200 %
Fluorobenzene	1506483	1515940	99.4%	50 - 200 %
1,4 - Difluorobenzene	1427801	1453553	98.2%	50 - 200 %
Chlorobenzene - d5	1125255	1112136	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	430475	446806	96.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.5	115%	86 - 118 %
Toluene - d8	10.7	107%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.71	97.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS 97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-18.10/97
Laboratory ID: C97-63839
Matrix: Water
Dilution Factor: 10

MW-18

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**157**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**27.8**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**2.00**	J	10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**44.3**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**70.9**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** Date Sampled: 10/17/97
Sample ID: 90125-18.10/97 MW-18 Date Analyzed: 10/22/97
Laboratory ID: C97-63839 Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	720548	792953	90.9%	50 - 200 %
Fluorobenzene	1439562	1515940	95.0%	50 - 200 %
1,4 - Difluorobenzene	1379419	1453553	94.9%	50 - 200 %
Chlorobenzene - d5	1034730	1112136	93.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	383049	446806	85.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.0	110%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-19.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63840	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	10	Date Reported:	November 5, 1997

MW-19

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**124**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**10.0**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**2.60**	J	10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**6.50**	J	10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**66.0**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** Date Sampled: 10/17/97
Sample ID: 90125-19.10/97 mw-19 Date Analyzed: 10/22/97
Laboratory ID: C97-63840 Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	632189	792953	79.7%	50 - 200 %
Fluorobenzene	1364774	1515940	90.0%	50 - 200 %
1,4 - Difluorobenzene	1273868	1453553	87.6%	50 - 200 %
Chlorobenzene - d5	996305	1112136	89.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	374044	446806	83.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.02	90.2%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.88	98.8%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.76	97.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-20.10/97
Laboratory ID: C97-63841
Matrix: Water
Dilution Factor: 1

mw-20

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-20.10/97
Laboratory ID: C97-63841

MW-20

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	598393	792953	75.5%	50 - 200 %
Fluorobenzene	1441123	1515940	95.1%	50 - 200 %
1,4 - Difluorobenzene	1350815	1453553	92.9%	50 - 200 %
Chlorobenzene - d5	1057578	1112136	95.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	374907	446806	83.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.3	103%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.66	96.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-21.10/97
Laboratory ID: C97-63842
Matrix: Water
Dilution Factor: 2

MW-21

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**7.44**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**0.98**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**0.52**	J	2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**1.44**	J	2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**3.88**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** Date Sampled: 10/17/97
Sample ID: 90125-21.10/97 MW-21 Date Analyzed: 10/22/97
Laboratory ID: C97-63842 Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	701536	792953	88.5%	50 - 200 %
Fluorobenzene	1477791	1515940	97.5%	50 - 200 %
1,4 - Difluorobenzene	1411959	1453553	97.1%	50 - 200 %
Chlorobenzene - d5	1064010	1112136	95.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	400134	446806	89.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.70	87.0%	86 - 118 %
Toluene - d8	9.84	98.4%	88 - 110 %
4 - Bromofluorobenzene	9.61	96.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.88	98.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-22.10/97	Date Sampled:	10/17/97
Laboratory ID:	C97-63843	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	5	Date Reported:	November 5, 1997

MW-22

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	5.0
74-87-3	Chloromethane	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	5.0
74-83-9	Bromomethane	ND	5.0
75-00-3	Chloroethane	ND	5.0
75-69-4	Trichlorofluoromethane	ND	5.0
75-35-4	**1,1 - Dichloroethene**	**107**	5.0
75-09-2	Methylene chloride (Dichloromethane)	ND	5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.0
75-34-3	**1,1 - Dichloroethane**	**13.6**	5.0
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
67-66-3	Chloroform (Trichloromethane)	ND	5.0
594-20-7	2,2 - Dichloropropane	ND	5.0
71-55-6	1,1,1 - Trichloroethane	ND	5.0
107-06-2	1,2 - Dichloroethane	ND	5.0
563-58-6	1,1 - Dichloropropene	ND	5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.0
71-43-2	**Benzene**	**16.0**	5.0
74-95-3	Dibromomethane	ND	5.0
78-87-5	1,2 - Dichloropropane	ND	5.0
79-01-6	**Trichloroethene**	**27.5**	5.0
75-27-4	Bromodichloromethane	ND	5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.0
79-00-5	1,1,2 - Trichloroethane	ND	5.0
108-88-3	Toluene	ND	5.0
106-93-4	1,2 - Dibromoethane	ND	5.0
142-28-9	1,3 - Dichloropropane	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
127-18-4	**Tetrachloroethene**	**117**	5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
100-41-4	Ethylbenzene	ND	5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.0
100-42-5	Styrene (Ethenylbenzene)	ND	5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	5.0
96-18-4	1,2,3 - Trichloropropane	ND	5.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-22.10/97
Laboratory ID: C97-63843

MW-22

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	655707	792953	82.7%	50 - 200 %
Fluorobenzene	1416751	1515940	93.5%	50 - 200 %
1,4 - Difluorobenzene	1335910	1453553	91.9%	50 - 200 %
Chlorobenzene - d5	1021439	1112136	91.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	384385	446806	86.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.08	90.8%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.86	98.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-23.10/97
Laboratory ID: C97-63844
Matrix: Water
Dilution Factor: 1

MW-23

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-23.10/97
Laboratory ID: C97-63844

mw-23

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	640985	792953	80.8%	50 - 200 %
Fluorobenzene	1433594	1515940	94.6%	50 - 200 %
1,4 - Difluorobenzene	1341968	1453553	92.3%	50 - 200 %
Chlorobenzene - d5	986178	1112136	88.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	347191	446806	77.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.48	94.8%	86 - 118 %
Toluene - d8	9.78	97.8%	88 - 110 %
4 - Bromofluorobenzene	9.87	98.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.5	105%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-24.10/97
Laboratory ID: C97-63845
Matrix: Water
Dilution Factor: 1

MW-24

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-24.10/97
Laboratory ID: C97-63845

MW-24

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	588111	792953	74.2%	50 - 200 %
Fluorobenzene	1371026	1515940	90.4%	50 - 200 %
1,4 - Difluorobenzene	1293006	1453553	89.0%	50 - 200 %
Chlorobenzene - d5	978312	1112136	88.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	361883	446806	81.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.80	98.0%	86 - 118 %
Toluene - d8	9.88	98.8%	88 - 110 %
4 - Bromofluorobenzene	9.82	98.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-25.10/97
Laboratory ID: C97-63846
Matrix: Water
Dilution Factor: 2

MW-25

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**27.1**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**11.1**		2.0
78-93-3	2 -Butanone (MEK)	ND		20
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	**1,2 - Dichloroethane**	**1.44**	J	2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**25.9**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**4.10**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**34.6**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection
J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-25.10/97
Laboratory ID: C97-63846

MW-25

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	645160	792953	81.4%	50 - 200 %
Fluorobenzene	1394920	1515940	92.0%	50 - 200 %
1,4 - Difluorobenzene	1350782	1453553	92.9%	50 - 200 %
Chlorobenzene - d5	1096493	1112136	98.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	372279	446806	83.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.69	96.9%	86 - 118 %
Toluene - d8	9.94	99.4%	88 - 110 %
4 - Bromofluorobenzene	8.85	88.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-A.10/97
Laboratory ID: C97-63849
Matrix: Water
Dilution Factor: 2

Duplicate of MW-25

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**27.5**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**12.8**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	**1,2 - Dichloroethane**	**1.46**	J	2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**26.3**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**4.10**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**27.8**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-A.10/97
Laboratory ID: C97-63849

Duplicate of MW-25

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	565487	792953	71.3%	50 - 200 %
Fluorobenzene	1377521	1515940	90.9%	50 - 200 %
1,4 - Difluorobenzene	1290626	1453553	88.8%	50 - 200 %
Chlorobenzene - d5	961736	1112136	86.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	336692	446806	75.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.92	99.2%	86 - 118 %
Toluene - d8	9.77	97.7%	88 - 110 %
4 - Bromofluorobenzene	9.89	98.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-26.10/97
Laboratory ID: C97-63847
Matrix: Water
Dilution Factor: 1

mw-26

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**4.06**		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**1.22**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	**Trichloroethene**	**0.69**	J	1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**4.41**		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-26.10/97
Laboratory ID: C97-63847

MW-26

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	648072	792953	81.7%	50 - 200 %
Fluorobenzene	1423467	1515940	93.9%	50 - 200 %
1,4 - Difluorobenzene	1359882	1453553	93.6%	50 - 200 %
Chlorobenzene - d5	1025875	1112136	92.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	375495	446806	84.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.53	95.3%	86 - 118 %
Toluene - d8	9.89	98.9%	88 - 110 %
4 - Bromofluorobenzene	9.94	99.4%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-27.10/97
Laboratory ID: C97-63848
Matrix: Water
Dilution Factor: 1

MW-27

Date Sampled: 10/17/97
Date Received: 10/21/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-27.10/97
Laboratory ID: C97-63848

MW-27

Date Sampled: 10/17/97
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	632191	792953	79.7%	50 - 200 %
Fluorobenzene	1446297	1515940	95.4%	50 - 200 %
1,4 - Difluorobenzene	1389126	1453553	95.6%	50 - 200 %
Chlorobenzene - d5	1032925	1112136	92.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	390223	446806	87.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.71	97.1%	86 - 118 %
Toluene - d8	9.74	97.4%	88 - 110 %
4 - Bromofluorobenzene	9.87	98.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: R:\Reports\CLIENTS.97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	Trip Blank	Date Sampled:	N/A
Laboratory ID:	C97-63850A	Date Received:	10/21/97
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	1	Date Reported:	November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: Trip Blank
Laboratory ID: C97-63850A

Date Sampled: N/A
Date Analyzed: 10/22/97
Date Reported: November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	563662	792953	71.1%	50 - 200 %
Fluorobenzene	1332790	1515940	87.9%	50 - 200 %
1,4 - Difluorobenzene	1273422	1453553	87.6%	50 - 200 %
Chlorobenzene - d5	970835	1112136	87.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	331538	446806	74.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.1	101%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.90	99.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.8	108%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	Method Blank	Date Sampled:	N/A
Laboratory ID:	MB1022C	Date Received:	N/A
Matrix:	Water	Date Analyzed:	10/22/97
Dilution Factor:	1	Date Reported:	November 5, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	N/A
Sample ID:	Method Blank	Date Analyzed:	10/22/97
Laboratory ID:	MB1022C	Date Reported:	November 5, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	959731	792953	121.0%	50 - 200 %
Fluorobenzene	1639787	1515940	108.2%	50 - 200 %
1,4 - Difluorobenzene	1597642	1453553	109.9%	50 - 200 %
Chlorobenzene - d5	1229037	1112136	110.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	511403	446806	114.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.65	96.5%	86 - 118 %
Toluene - d8	9.75	97.5%	88 - 110 %
4 - Bromofluorobenzene	9.71	97.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	10/17/97
Sample Set:	C97-63820 through C97-63829	Date Received:	10/21/97
Laboratory ID:	C97-63823 S	Date Analyzed:	10/22/97
Matrix:	Water	Date Reported:	November 5, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	792953	595634	75.1%	672774	84.8%	50 - 200 %
Fluorobenzene	1515940	1345531	88.8%	1436841	94.8%	50 - 200 %
1,4 - Difluorobenzene	1453553	1286712	88.5%	1379027	94.9%	50 - 200 %
Chlorobenzene - d5	1112136	987578	88.8%	1025181	92.2%	50 - 200 %
1,4 - Dichlorobenzene-d4	446806	384191	86.0%	393972	88.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.65	96.5%	9.11	91.1%	86 - 118 %
Toluene - d8	10.0	100%	9.70	97.0%	88 - 110 %
4 - Bromofluorobenzene	9.85	98.5%	9.97	99.7%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.2	102%	9.66	96.6%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	8.55	ND	10.0	85.5%	80 - 120 %
1,1 - Dichloroethene	8.16	ND	10.0	81.6%	80 - 120 %
2 - Butanone (MEK)	11.3	ND	10.0	113%	80 - 120 %
Chloroform	9.22	ND	10.0	92.2%	80 - 120 %
1,2 - Dichloroethane	9.53	ND	10.0	95.3%	80 - 120 %
Carbon tetrachloride	9.04	ND	10.0	90.4%	80 - 120 %
Benzene	9.37	ND	10.0	93.7%	80 - 120 %
Trichloroethene	9.58	ND	10.0	95.8%	80 - 120 %
Tetrachloroethene	9.62	ND	10.0	96.2%	80 - 120 %
Chlorobenzene	10.1	ND	10.0	101%	80 - 120 %
1,4 - Dichlorobenzene	9.66	ND	10.0	96.6%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

*** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	8.06	ND	10.0	80.6%	5.7%	10 %
1,1 - Dichloroethene	8.92	ND	10.0	89.2%	9.3%	10 %
2 - Butanone (MEK)	11.7	ND	10.0	117%	3.6%	10 %
Chloroform	8.65	ND	10.0	86.5%	6.2%	10 %
1,2 - Dichloroethane	9.52	ND	10.0	95.2%	0.1%	10 %
Carbon tetrachloride	9.41	ND	10.0	94.1%	4.1%	10 %
Benzene	9.28	ND	10.0	92.8%	1.0%	10 %
Trichloroethene	9.74	ND	10.0	97.4%	1.7%	10 %
Tetrachloroethene	9.94	ND	10.0	99.4%	3.3%	10 %
Chlorobenzene	10.1	ND	10.0	101%	0.2%	10 %
1,4 - Dichlorobenzene	9.78	ND	10.0	97.8%	1.2%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	10/17/97
Sample Set:	C97-63830 through C97-63839	Date Received:	10/21/97
Laboratory ID:	C97-63841 S	Date Analyzed:	10/22/97
Matrix:	Water	Date Reported:	November 5, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	792953	640733	80.8%	644555	81.3%	50 - 200 %
Fluorobenzene	1515940	1396519	92.1%	1384177	91.3%	50 - 200 %
1,4 - Difluorobenzene	1453553	1334577	91.8%	1317396	90.6%	50 - 200 %
Chlorobenzene - d5	1112136	988121	88.8%	1024344	92.1%	50 - 200 %
1,4 - Dichlorobenzene-d4	446806	366880	82.1%	362331	81.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.99	89.9%	8.96	89.6%	86 - 118 %
Toluene - d8	9.73	97.3%	9.97	99.7%	88 - 110 %
4 - Bromofluorobenzene	9.89	98.9%	9.44	94.4%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.81	98.1%	9.73	97.3%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	8.66	ND	10.0	86.6%	80 - 120 %
1,1 - Dichloroethene	8.41	ND	10.0	84.1%	80 - 120 %
2 - Butanone (MEK)	10.9	ND	10.0	109%	80 - 120 %
Chloroform	8.91	ND	10.0	89.1%	80 - 120 %
1,2 - Dichloroethane	9.71	ND	10.0	97.1%	80 - 120 %
Carbon tetrachloride	9.81	ND	10.0	98.1%	80 - 120 %
Benzene	9.42	ND	10.0	94.2%	80 - 120 %
Trichloroethene	10.13	ND	10.0	101%	80 - 120 %
Tetrachloroethene	10.30	ND	10.0	103%	80 - 120 %
Chlorobenzene	10.24	ND	10.0	102%	80 - 120 %
1,4 - Dichlorobenzene	9.68	ND	10.0	96.8%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

*** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	8.62	ND	10.0	86.2%	0.5%	10 %
1,1 - Dichloroethene	8.55	ND	10.0	85.5%	1.7%	10 %
2 - Butanone (MEK)	11.2	ND	10.0	112%	3.2%	10 %
Chloroform	9.02	ND	10.0	90.2%	1.2%	10 %
1,2 - Dichloroethane	9.94	ND	10.0	99.4%	2.4%	10 %
Carbon tetrachloride	10.1	ND	10.0	101%	2.4%	10 %
Benzene	9.64	ND	10.0	96.4%	2.3%	10 %
Trichloroethene	10.4	ND	10.0	104%	2.2%	10 %
Tetrachloroethene	9.67	ND	10.0	96.7%	6.1%	10 %
Chlorobenzene	10.2	ND	10.0	102%	0.2%	10 %
1,4 - Dichlorobenzene	9.61	ND	10.0	96.1%	0.7%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	10/17/97
Sample Set:	C97-63840 through C97-63850A	Date Received:	10/21/97
Laboratory ID:	C97-63845 S	Date Analyzed:	10/22/97
Matrix:	Water	Date Reported:	November 5, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	792953	558863	70.5%	607675	76.6%	50 - 200 %
Fluorobenzene	1515940	1427850	94.2%	1424116	93.9%	50 - 200 %
1,4 - Difluorobenzene	1453553	1315023	90.5%	1325531	91.2%	50 - 200 %
Chlorobenzene - d5	1112136	961259	86.4%	984594	88.5%	50 - 200 %
1,4 - Dichlorobenzene-d4	446806	332445	74.4%	355086	79.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.0	100%	9.67	96.7%	86 - 118 %
Toluene - d8	10.1	101%	9.92	99.2%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.75	97.5%	9.27	92.7%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	9.80	ND	10.0	98.0%	80 - 120 %
1,1 - Dichloroethene	8.96	ND	10.0	89.6%	80 - 120 %
2 - Butanone (MEK)	11.6	ND	10.0	116%	80 - 120 %
Chloroform	10.03	ND	10.0	100%	80 - 120 %
1,2 - Dichloroethane	9.33	ND	10.0	93.3%	80 - 120 %
Carbon tetrachloride	10.06	ND	10.0	101%	80 - 120 %
Benzene	9.47	ND	10.0	94.7%	80 - 120 %
Trichloroethene	9.61	ND	10.0	96.1%	80 - 120 %
Tetrachloroethene	8.48	ND	10.0	84.8%	80 - 120 %
Chlorobenzene	9.82	ND	10.0	98.2%	80 - 120 %
1,4 - Dichlorobenzene	9.30	ND	10.0	93.0%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

*** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	9.70	ND	10.0	97.0%	1.0%	10 %
1,1 - Dichloroethene	8.86	ND	10.0	88.6%	1.1%	10 %
2 - Butanone (MEK)	11.8	ND	10.0	118%	1.8%	10 %
Chloroform	9.96	ND	10.0	99.6%	0.7%	10 %
1,2 - Dichloroethane	10.0	ND	10.0	100%	7.4%	10 %
Carbon tetrachloride	9.73	ND	10.0	97.3%	3.3%	10 %
Benzene	10.0	ND	10.0	100%	6.0%	10 %
Trichloroethene	10.2	ND	10.0	102%	6.2%	10 %
Tetrachloroethene	9.30	ND	10.0	93.0%	9.7%	10 %
Chlorobenzene	10.4	ND	10.0	104%	6.0%	10 %
1,4 - Dichlorobenzene	10.0	ND	10.0	100%	7.7%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

Report Approved By: _____

Report File: R:\Reports\CLIENTS\97\Western_Water_Consultants\ORGANIC.CAS\97_63820.xls

Analyst: yw
Reviewed: sec

File 90125.D

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TOTAL TPH
EPA 8015 - MODIFIED CALIFORNIA METHOD
ANALYTICAL RESULTS

Client: **Western Water Consultants**
Project: 90125
Matrix: Soil

Date Sampled: 01/21/97
Date Received: 01/23/97
Date Reported: February 20, 1997

TOTAL TPH

Date of sample(s) extraction : 01/27/97 ***Extraction by:*** wd

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
C97 - 11417	90125-LFNW-1/97	**417**	10	02/06/97
C97 - 11418	90125-LFSE-1/97	**30**	10	02/06/97
C97 - 11419	90125-LFNE-1/97	**291**	10	02/06/97
C97 - 11420	90125-LESW-1/97 *	**166**	10	02/06/97

* As per COC. Actual name presumed to be 90125-LFSW-1/97.

QUALITY ASSURANCE REPORT

Standard Addition Analysis (spike):

Laboratory ID	Sample ID	Spike amount, mg/kg	Original Response, mg/kg	Result Response, mg/kg	Recovery %	Acceptance Range, %	Date Analyzed
C97 - 11418 S	Spike	109	30	149	**136%**	60 - 140	02/06/97
C97 - 11418 SD	Spike Duplicate	109	30	130	**120%**	60 - 140	02/06/97
Duplicate RPD:					***13.0%***	0 - 20	

CCAL / QCS Standards:

Laboratory ID	Sample ID	Observed Response, mg/kg	Expected Response, mg/kg	Recovery %	Acceptance Range, %	Date Analyzed
5000 QCS	Restek 5000	318	250	**127**	60 - 140	02/06/97
2000 CCAL	DRO STD	126	100	**126**	70 - 130	02/06/97
2000 CCAL	DRO STD	94.0	100	**94.0**	70 - 130	02/07/97

Method 8015 Blank Analysis:

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
MB0127	Method Blank	**ND**	10.0	02/06/97

ND - Analyte not detected at stated limit of detection

Report Approved By: _____

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_11417.xls

Analyst: ELIR - sr
Reviewed: sec

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TPH TOTAL, AND TPH AS DIESEL FUEL
EPA 8015 - MODIFIED CALIFORNIA METHOD
ANALYTICAL RESULTS

Client: **Western Water Consultants** | Date Sampled: 05/26/97
Project: N/A | Date Received: 05/28/97
Matrix: Soil | Date Reported: June 6, 1997

TPH TOTAL, Total of Gasoline and Diesel TPH's

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg
C97 - 28017	90125-SE.5/97	**161**	10
C97 - 28018	90125-SW.5/97	**136**	10
C97 - 28019	90125-NW.5/97	**348**	10
C97 - 28020	90125-NE.5/97	**428**	10

TPH AS DIESEL FUEL

Date of sample(s) extraction : 06/03/97 *Extraction by:* WD

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
C97 - 28017	90125-SE.5/97	**157**	10	06/05/97
C97 - 28018	90125-SW.5/97	**132**	10	06/05/97
C97 - 28019	90125-NW.5/97	**341**	10	06/05/97
C97 - 28020	90125-NE.5/97	**420**	10	06/05/97

QUALITY ASSURANCE REPORT, TPH AS DIESEL

Standard Addition Analysis (spike):

Laboratory ID	Sample ID	Spike amount, mg/kg	Original Response, mg/kg	Result Response, mg/kg	Recovery %	Acceptance Range, %	Date Analyzed
C97 - 28020 S	Spike	2003	16	1830	**90.6%**	60 - 140	06/05/97
C97 - 28020 S	Spike Dup	2003	16	1811	**89.6%**	60 - 140	06/05/97
				Duplicate RPD:	***1.0%***	*0 - 20*	

CCAL / QCS Standards:

Laboratory ID	Sample ID	Observed Response, mg/kg	Expected Response, mg/kg	Recovery %	Acceptance Range, %	Date Analyzed
5000 QCS	Restek 5000 Std.	5256	5000	**105.1**	60 - 140	06/05/97
2000 CCAL	DRO STD	1864	2000	**93.2**	70 - 130	06/05/97

Method 8015 Blank Analysis:

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
MB0603	Method Blank	**ND**	10	06/05/97

ND - Analyte not detected at stated limit of detection

Report Approved By:

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_28017.xls

Analyst: wd
Reviewed: sec

File 90125-D

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EPA METHOD 8015 (Modified),TPH GRO
ANALYTICAL RESULTS

Client: **Western Water Consultants**
Project: N/A
Matrix: Soil

Date Sampled: 05/26/97
Date Received: 05/28/97
Date Reported: June 4, 1997

GASOLINE RANGE ORGANICS CONCENTRATION: 8015 TPH GRO

Laboratory ID	Sample ID	GRO mg/kg	Detection Limit, mg/kg	Surrogate Recovery: ααα-Trifluoro-toluene	Surrogate Recovery: Acceptance range, %	Date Analyzed
C97 - 28017	90125-SE.5/97	**3.7**	2.0	92	80 - 120 %	06/03/97
C97 - 28018	90125-SW.5/97	**4.0**	2.0	94	80 - 120 %	06/03/97
C97 - 28019	90125-NW.5/97	**7.6**	2.0	94	80 - 120 %	06/03/97
C97 - 28020	90125-NE.5/97	**8.7**	2.0	93	80 - 120 %	06/03/97

QUALITY ASSURANCE REPORT: 8015 GRO

MATRIX SPIKE ANALYSIS

Laboratory ID	GRO Recovery, %	GRO Dup Recovery, %	Acceptance range, %	RPD, %	Acceptance range, %	Date Analyzed
C97 - 28020 S	63%	65%	40 - 80 %	**3.2%**	0 - 10 %	06/03/97

METHOD BLANK

Laboratory ID	Sample ID	GRO mg/kg	Surrogate Recovery: ααα-Trifluoro-toluene	Surrogate Recovery: Acceptance range, %	Date Analyzed
MB0602	Blank	< 2.0	112	80 - 120 %	06/02/97

Continuing Calibration and Second Source Checks

Laboratory ID	GRO Recovery, %	Acceptance range, %	Date Analyzed	Laboratory ID	GRO Recovery, %	Acceptance range, %
cc GRO CK STD	98%	75 - 125 %	06/02/97	lc GRO CK STD	61%	40 - 80 %

ND - Analyte not detected at stated limit of detection

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_28017.xls

Analyst: wd
Reviewed: sec

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TPH AS DIESEL FUEL
EPA 8015 - MODIFIED CALIFORNIA METHOD
ANALYTICAL RESULTS

Client:	**Western Water Consultants- Laramie**	Date Sampled:	07/29/97
Project:	N/A	Date Received:	08/01/97
Matrix:	Soil	Date Reported:	August 11, 1997

TPH AS DIESEL FUEL

Date of sample(s) extraction : 08/05/97 ***Extraction by:*** PF

Laboratory ID	Sample ID	First Analysis, Concentration, mg/kg	Second Analysis, Concentration, mg/kg	Duplicate RPD:	Detection Limit, mg/kg	Date Analyzed
C97 - 42031	90125-SE.7/97	37	41	9.1%	10	08/07/97
C97 - 42032	90125-SW.7/97	82	75	9.2%	10	08/07/97
C97 - 42033	90125-NE.7/97	175	179	1.8%	10	08/07/97
C97 - 42034	90125-NW.7/97	139	141	1.4%	10	08/07/97

QUALITY ASSURANCE REPORT

Standard Addition Analysis (spike):

Laboratory ID	Sample ID		Recovery %	Acceptance Range, %	Date Analyzed
C97 - 42034 S	Spike		113%	60 - 140	08/07/97
C97 - 42034 S	Spike Dup		93.5%	60 - 140	08/07/97
		Duplicate RPD:	18.7%	0 - 20	

CCAL / QCS Standards:

Laboratory ID	Sample ID	Recovery %	Acceptance Range, %	Date Analyzed
5000 QCS	Restek 5000 Std.	87.9	60 - 140	08/07/97
2000 CCAL	DRO STD	96.3	70 - 130	08/07/97

Method 8015 Blank Analysis:

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
MB0805	Method Blank	ND	10	08/07/97

ND - Analyte not detected at stated limit of detection

Report Approved By: K.A. Gearhart

Report File: F:\REPORTS\CLIENTS.97\AMOCO\CASPER.EF\ORGANIC.CAS\97_42031.xls

Analyst: wd
Reviewed: sec

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TPH AS DIESEL FUEL
EPA 8015 - MODIFIED CALIFORNIA METHOD
ANALYTICAL RESULTS

Client:	**Western Water Consultants- Laramie**	Date Sampled:	10/17/97
Project:	90-125L.8	Date Received:	10/21/97
Matrix:	Soil	Date Reported:	October 31, 1997

TPH AS DIESEL FUEL

Date of sample(s) extraction : 10/27/97 ***Extraction by:*** KS

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
C97- 63870	90125-NE.10/97	**99**	10	10/27/97
C97- 63871	90125-SE.10/97	**58**	10	10/27/97
C97- 63872	90125-SW.10/97	**33**	10	10/27/97
C97- 63873	90125-NW.10/97	**62**	10	10/27/97

QUALITY ASSURANCE REPORT

Standard Addition Analysis (spike):

Laboratory ID	Sample ID		Recovery %	Acceptance Range, %	Date Analyzed
C97 - 58896 S	Spike		**69%**	60 - 140	10/27/97
C97 - 58896 S	Spike Dup		**74%**	60 - 140	10/27/97
		Duplicate RPD:	*7.3%*	*0 - 20*	

CCAL / QCS Standards;

Laboratory ID	Sample ID	Recovery %	Acceptance Range, %	Date Analyzed
5000 QCS	Restek 5000 Std.	**106**	60 - 140	10/27/97
2000 CCAL	DRO STD	**93**	70 - 130	10/27/97

Method 8015 Blank Analysis:

Laboratory ID	Sample ID	Concentration mg/kg	Detection Limit, mg/kg	Date Analyzed
MB1027	Method Blank	**ND**	10	10/27/97

ND - Analyte not detected at stated limit of detection

Report File: \\ELI_CA\reports\Reports\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_63870.xls

Analyst: wd
Reviewed: sec

File 90125.D

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EPA METHOD 8015 (Modified),TPH GRO
ANALYTICAL RESULTS

Client:	**Western Water Consultants- Laramie**	Date Sampled:	10/17/97
Project:	90-125L.8	Date Received:	10/21/97
Matrix:	Soil	Date Reported:	October 31, 1997

GASOLINE RANGE ORGANICS CONCENTRATION: 8015 TPH GRO

Laboratory ID	Sample ID	GRO mg/kg	Detection Limit, mg/kg	Surrogate Recovery ααα-Trifluoro-toluene	Surrogate Recovery Acceptance range, %	Date Analyzed
C97- 63870	90125-NE.10/97	< 2.0	2.0	106	80 - 120 %	10/24/97
C97- 63871	90125-SE.10/97	< 2.0	2.0	92	80 - 120 %	10/24/97
C97- 63872	90125-SW.10/97	< 2.0	2.0	97	80 - 120 %	10/24/97
C97- 63873	90125-NW.10/97	< 2.0	2.0	102	80 - 120 %	10/24/97

QUALITY ASSURANCE REPORT: 8015 GRO

MATRIX SPIKE ANALYSIS

Laboratory ID	GRO Recovery, %	GRO Dup Recovery, %	Acceptance range, %	RPD, %	Acceptance range, %	Date Analyzed
C97 - 63873 S	63%	63%	40 - 80 %	0.3%	0 - 10 %	10/24/97

METHOD BLANK

Laboratory ID	Sample ID	GRO mg/kg	Surrogate Recovery ααα-Trifluoro-toluene	Surrogate Recovery Acceptance range, %	Date Analyzed
MB1024	Blank	< 2.0	118	80 - 120 %	10/24/97

Continuing Calibration and Second Source Checks

Laboratory ID	GRO Recovery, %	Acceptance range, %	Date Analyzed	Laboratory ID	GRO Recovery, %	Acceptance range, %
cc GRO CK STD	102%	75 - 125 %	10/24/97	lc GRO CK STD	63%	40 - 80 %

ND - Analyte not detected at stated limit of detection

Report Approved By: R. A. Crowley

Report File: \\ELI_CA\reports\Reports\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_63870.xls

Analyst: wd
Reviewed: sec

APPENDIX C

ISOCONCENTRATION MAPS AND PLOTS OF STATIC WATER VERSUS HALOCARBON CONCENTRATIONS

K:\172040\90-125\97\HAL01097.DWG 12/29/97 09:44

MW-24
86.83
ND

MW-20
85.33
ND

MW-21
84.71
0.01

PROPERTY LINE

MW-25
83.85
0.073

MW-26
83.36
0.009

DOWELL

50 FT. COUNTY RIGHT-OF-WAY

MW-22
83.91
0.266

MW-18
85.38
0.300

MW-27
83.38
ND

MW-10
86.18
0.196

MW-8
85.78
0.150

0.10

0.20

84.00

85.00

0.30

86.00

DOWELL

SOUTHEAST READY MIX

MW-11
85.85
0.284

MW-7
85.71
0.457

PROPERTY LINE

MW-12
86.12
0.432

SECURITY FENCE

MW-23
84.24
ND

50 FT. COUNTY
RIGHT-OF-WAY

CITY WATER LINE

GAS LINE

COMPRESSOR

MW-17C
86.00
0.280

PILOT
HOLE

MW-9
86.89
0.018

MW-17B
86.12
0.432

MW-19
85.81
0.200

60 FT. COUNTY RIGHT-OF-WAY

FRAC SAND SILOS

BULK CEMENT

CEMENT MIXER HOUSE

CONCRETE PAD

WELL EQUIPMENT STORAGE

FORMER ACID PLANT

CHEMICAL WASTE HOUSE

WASTEWATER TANK

DRUM STORAGE

SEPARATOR

MW-3
86.50
0.069

MW-17A/D
86.16/86.18
0.234/0.120

ACID LOADING SLAB

MW-15
87.15
0.013

FORMER SUMP

WASH BAY

WASH BAY SVE SYSTEM

MW-6
85.83
0.041

88.00

DOWELL FACILITY

MW-13
87.23
0.016

MW-14
86.81
0.106

MW-5
88.05
0.037

GRAVEL PARKING AREA

ABOVE GROUND OIL STORAGE

FORMER FUEL LOCK

EXISTING FENCE

TBM

MW-1
88.30
ND

MAINTENANCE SHOP

MW-2
87.93
0.039

MAINTENANCE SHOP SVE SYSTEM

FORMER FUEL ISLAND

MW-16

MW-4
88.74
ND

OFFICE

SEPTIC TANKS

GRAVEL PARKING AREA

GATE

GATE

RICHEY AVENUE

PROPERTY LINE

DOWELL

SOUTHEAST READY MIX

EXPLANATION

MW-12 / 85.21 / 0.19 — WWC MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)

MW-6 / 85.22 / 0.70 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)

TBM — TEMPORARY BENCH MARK

AIR PIPING

SVE EXTRACTION WELL

TOTAL HALOCARBON CONCENTRATIONS (mg/L)

0.50

0.30

0.10

-83.00- POTENTIOMETRIC SURFACE CONTOUR

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

POTENTIOMETRIC SURFACE AND TOTAL HALOCARBONS (10/17/97)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

K:\172040\90-125L\CADD\98\BTEX1097.DWG 01/16/98 11:27

MW-24
86.83
ND

MW-20
85.33
ND

DOWELL

50 FT. COUNTY RIGHT-OF-WAY

SOUTHEAST READY MIX

MW-10
86.18
ND

MW-8
85.78
ND

87.00

1.0

2.0

3.0

86.00

MW-11
85.85
ND

MW-7
85.71
ND

SECURITY FENCE

50 FT. COUNTY
RIGHT-OF-WAY

CITY WATER LINE

GAS LINE

COMPRESSOR

MW-12
86.12
7.861

MW-17C
86.00
0.031

PILOT
HOLE

MW-17B
86.12
ND

MW-9
86.89
ND

FRAC SAND SILOS

BULK CEMENT

CEMENT MIXER HOUSE

CONCRETE PAD

WELL EQUIPMENT STORAGE

FORMER ACID PLANT

CHEMICAL WASTE STORAGE

DRUM STORAGE

WASTEWATER TANKS

ACID LOADING SLAB

FORMER SUMP

MW-3
86.50
1.849

MW-17A/D
86.15/86.18
0.006/0.004

MW-6
85.83
ND

MW-15
87.15
ND

88.00

DOWELL FACILITY

MW-13
87.23
ND

MW-14
86.81
ND

GRAVEL PARKING AREA

ABOVE GROUND OIL STORAGE

FORMER FUEL USTs

MW-5
88.05
0.064

EXISTING FENCE

TBM

MW-1
88.30
0.029

MAINTENANCE SHOP

MW-2
87.93
0.028

MAINTENANCE SHOP SVE SYSTEM

FORMER FUEL ISLAND

MW-16

MW-4
88.74
ND

OFFICE

SEPTIC TANKS

GRAVEL PARKING AREA

GATE

GATE

RICHEY AVENUE

PROPERTY LINE

60 FT. COUNTY RIGHT-OF-WAY

MW-21
84.71
ND

PROPERTY LINE

MW-25
83.65
0.026

MW-26
83.36
ND

84.00

85.00

MW-22
83.91
0.016

MW-18
85.38
ND

MW-27
83.38
ND

DOWELL

PROPERTY LINE

MW-23
84.24
ND

MW-19
85.61
ND

DOWELL

EXPLANATION

MW-12 / 85.21 / 2.82 — WWC MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL BTEX (mg/L)

MW-6 / 85.22 / ND — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL BTEX (mg/L)

TBM — TEMPORARY BENCH MARK

AIR PIPING

SVE EXTRACTION WELL

TOTAL BTEX CONCENTRATIONS (mg/L)

5

3

1

-83.00- POTENTIOMETRIC SURFACE CONTOUR

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

POTENTIOMETRIC SURFACE AND TOTAL BTEX (10/17/97)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

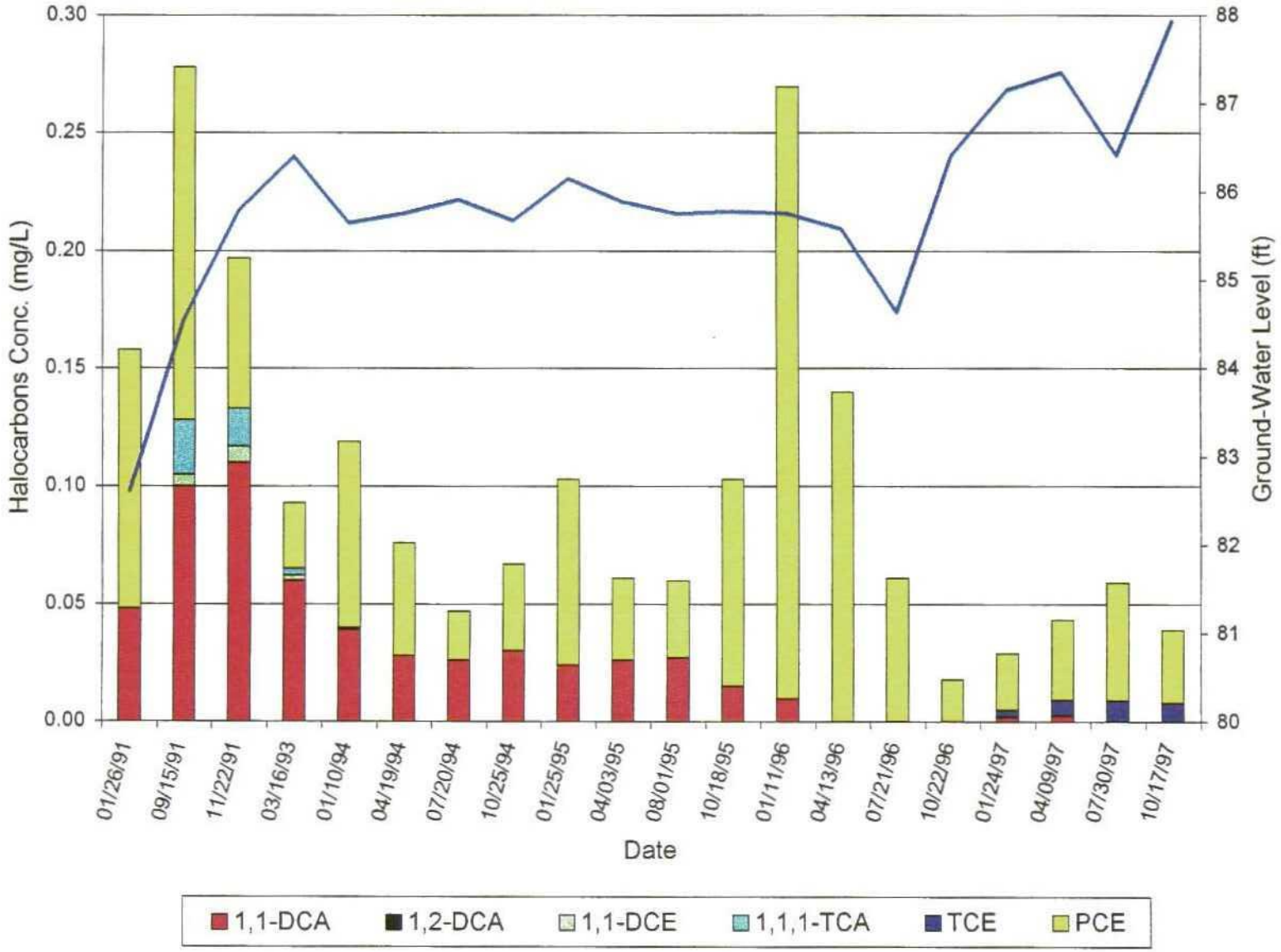
Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

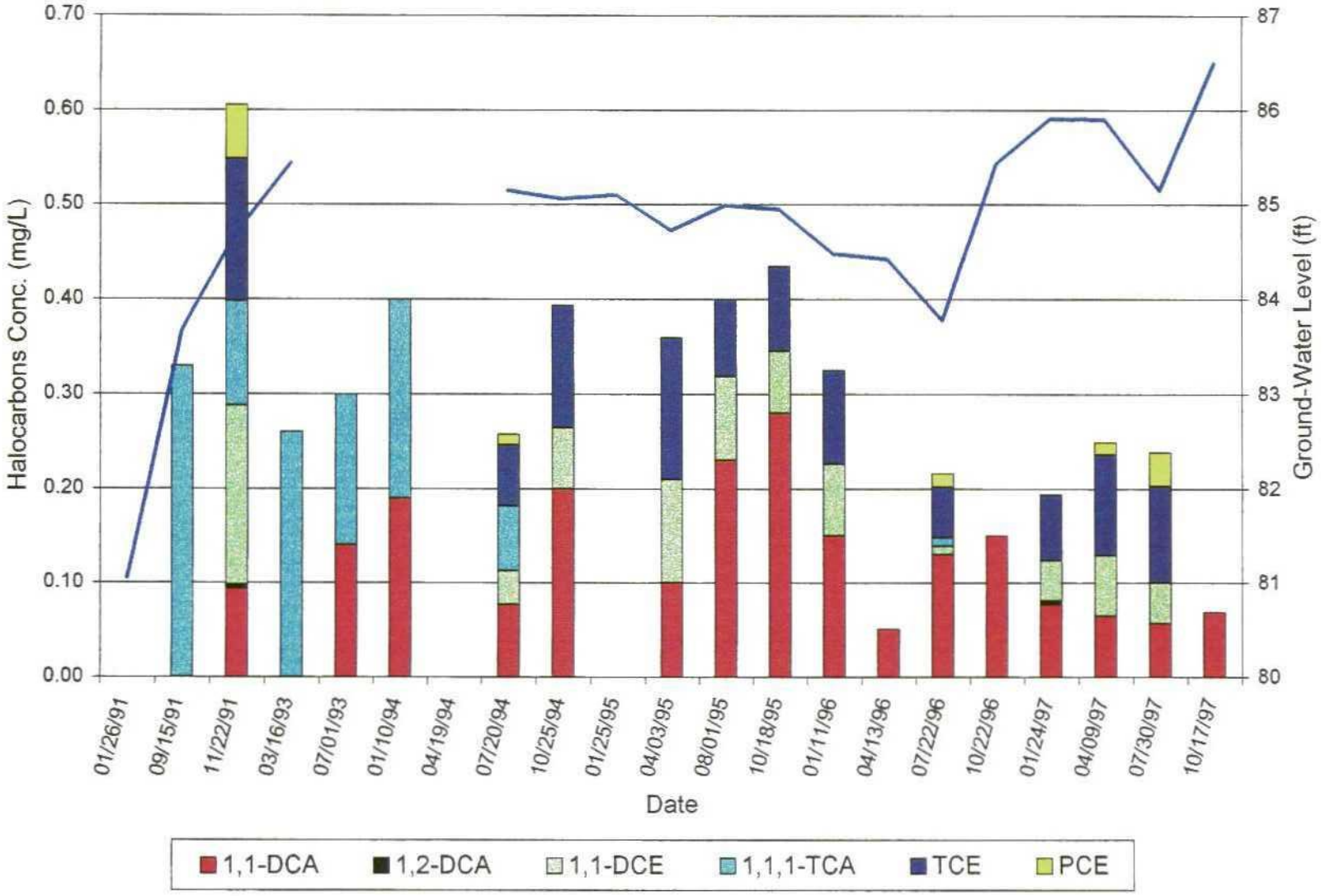
Monitoring Well MW-1
Halocarbons & Ground-Water Level



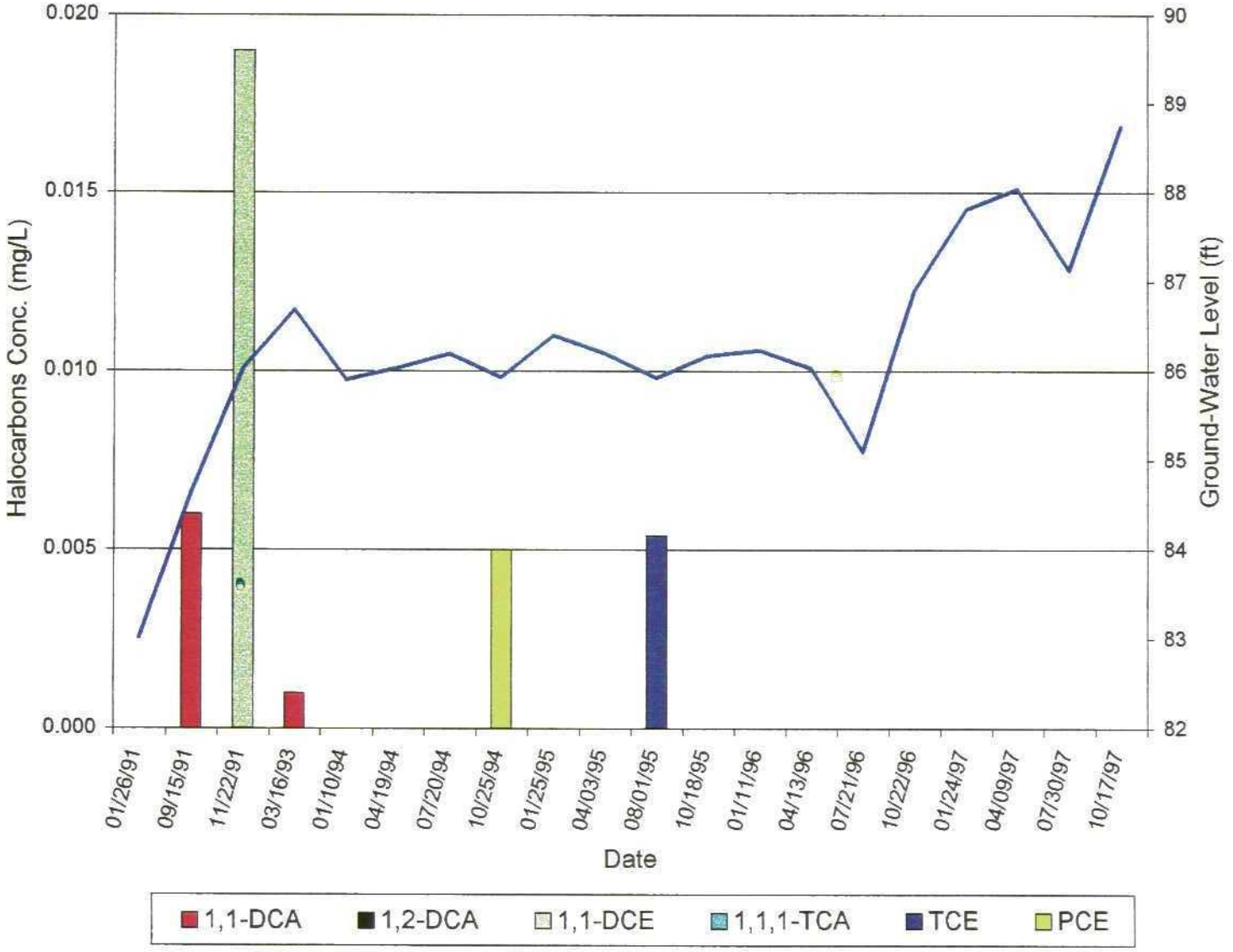
Monitoring Well MW-2
Halocarbons & Ground-Water Level



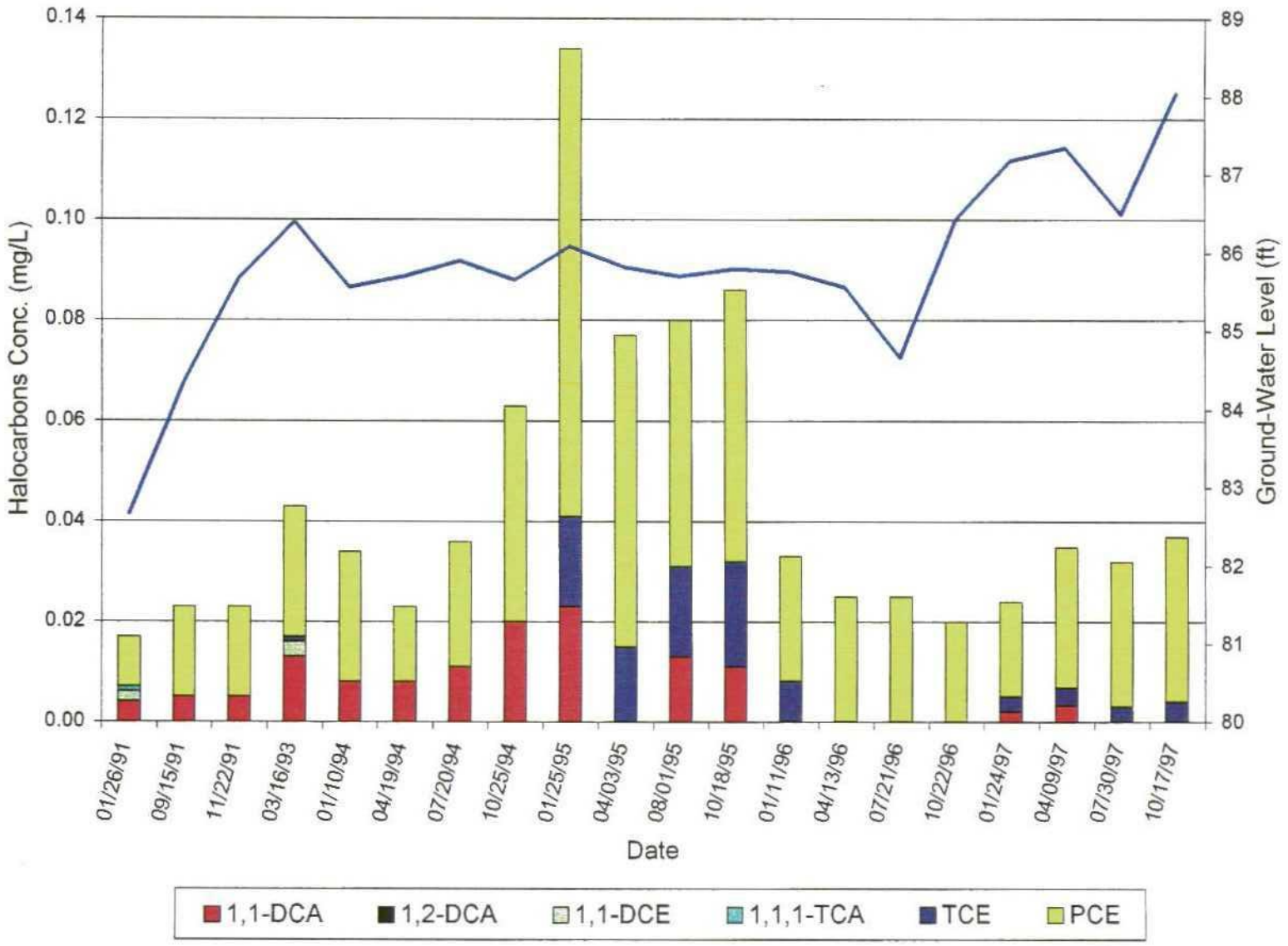
Monitoring Well MW-3
Halocarbons & Ground-Water Level



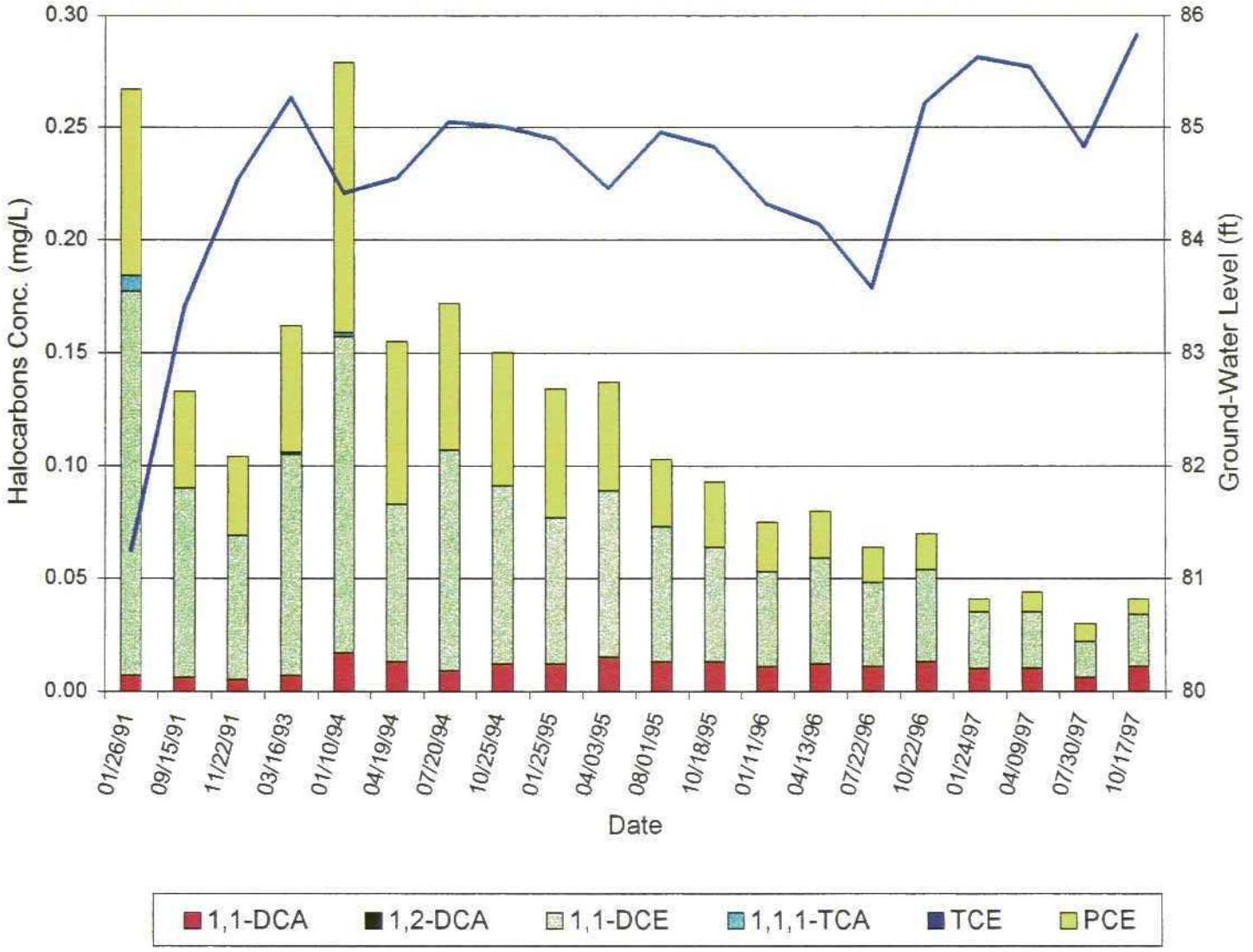
Monitoring Well MW-4
Halocarbons & Ground-Water Level



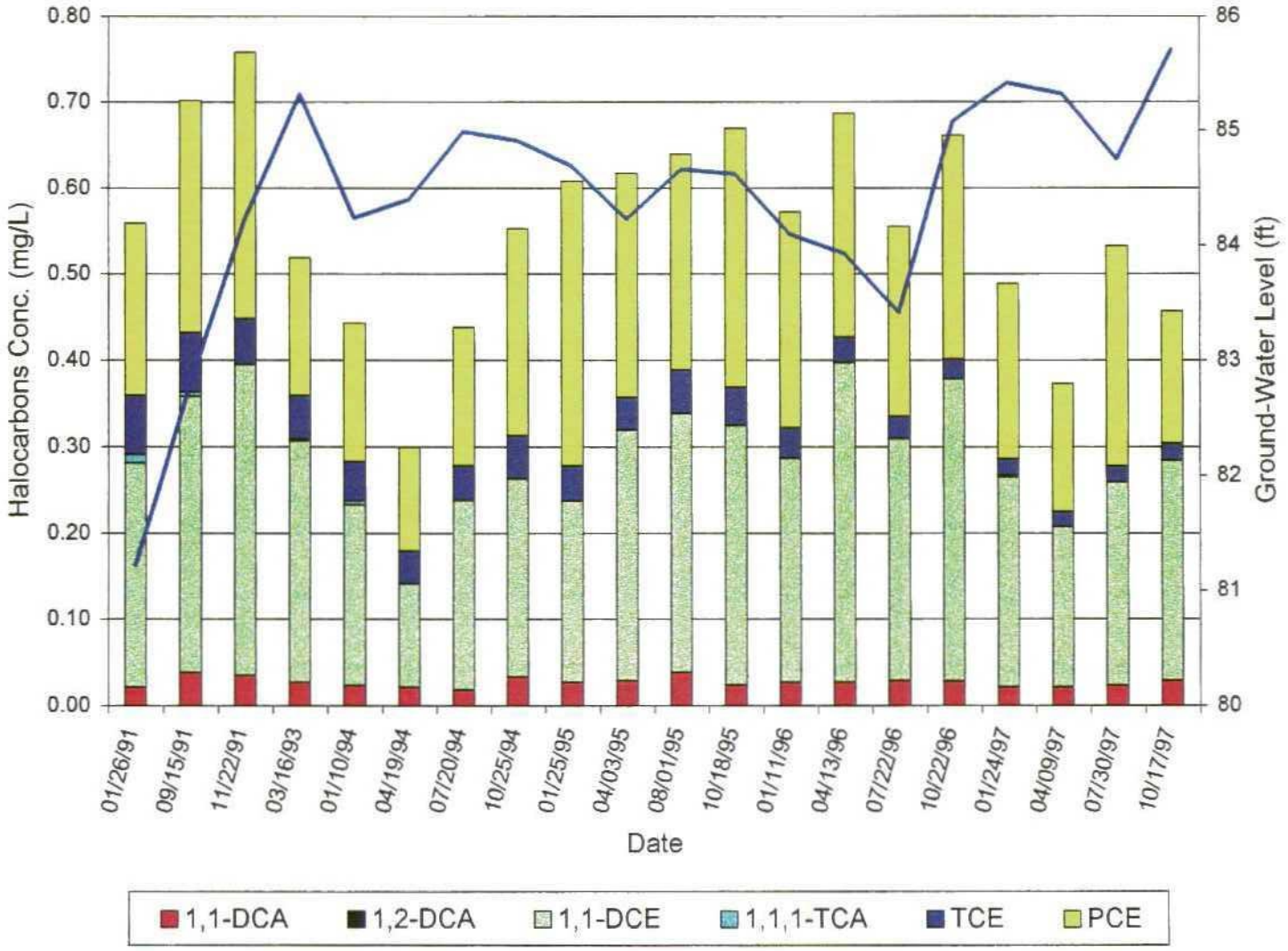
Monitoring Well MW-5
Halocarbons & Ground-Water Level



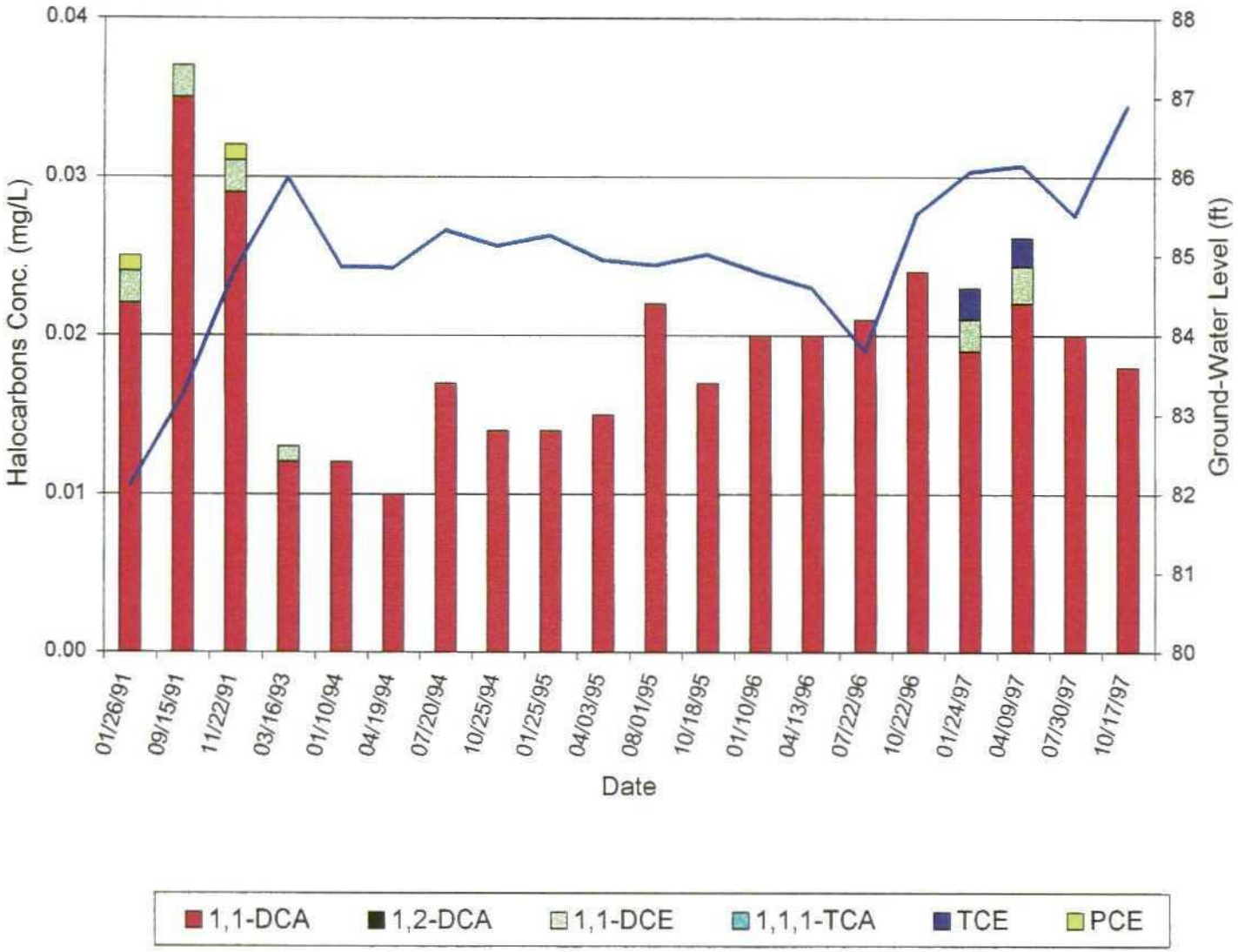
Monitoring Well MW-6
Halocarbons & Ground-Water Level



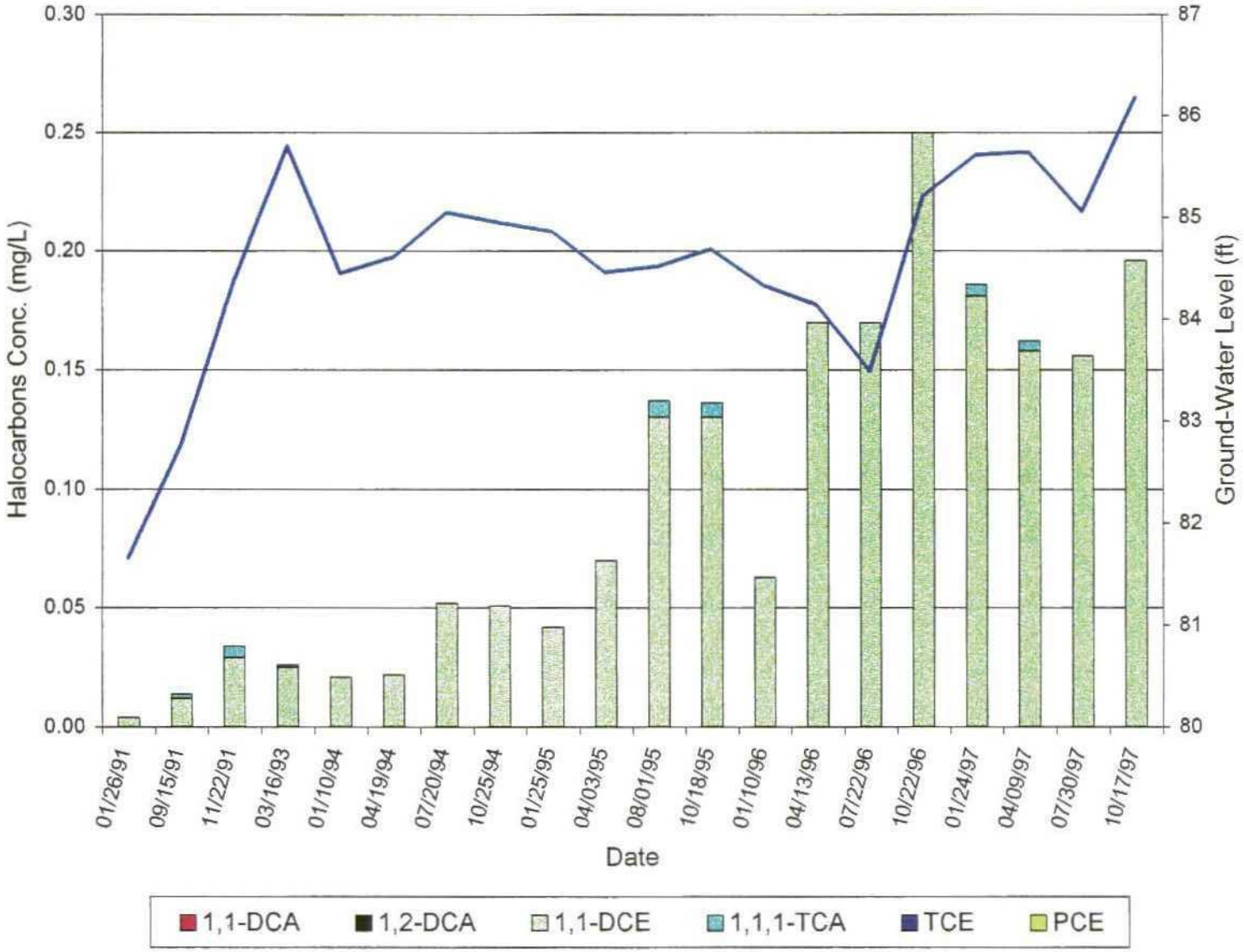
Monitoring Well MW-7
Halocarbons & Ground-Water Level



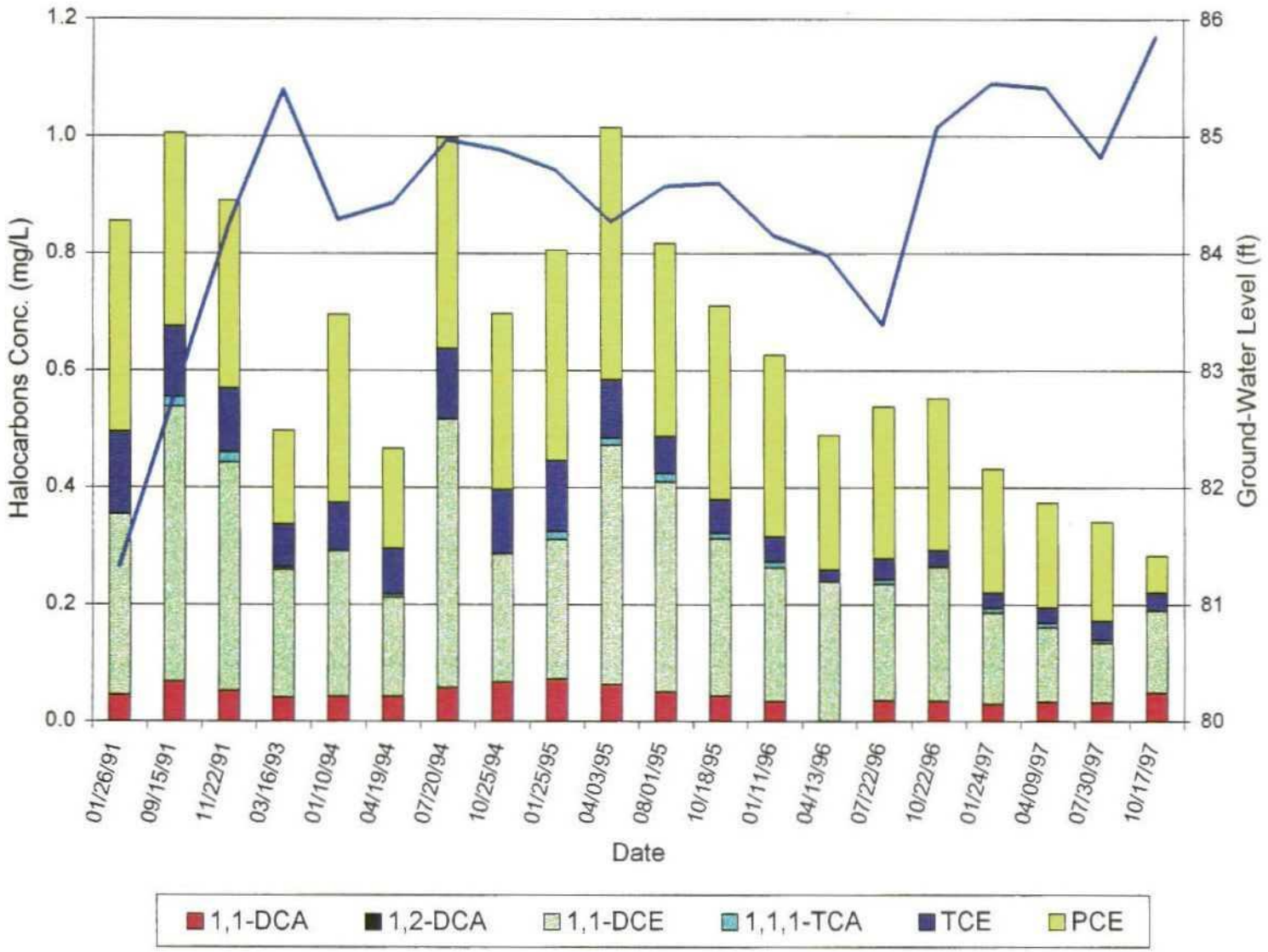
Monitoring Well MW-9
Halocarbons & Ground-Water Level



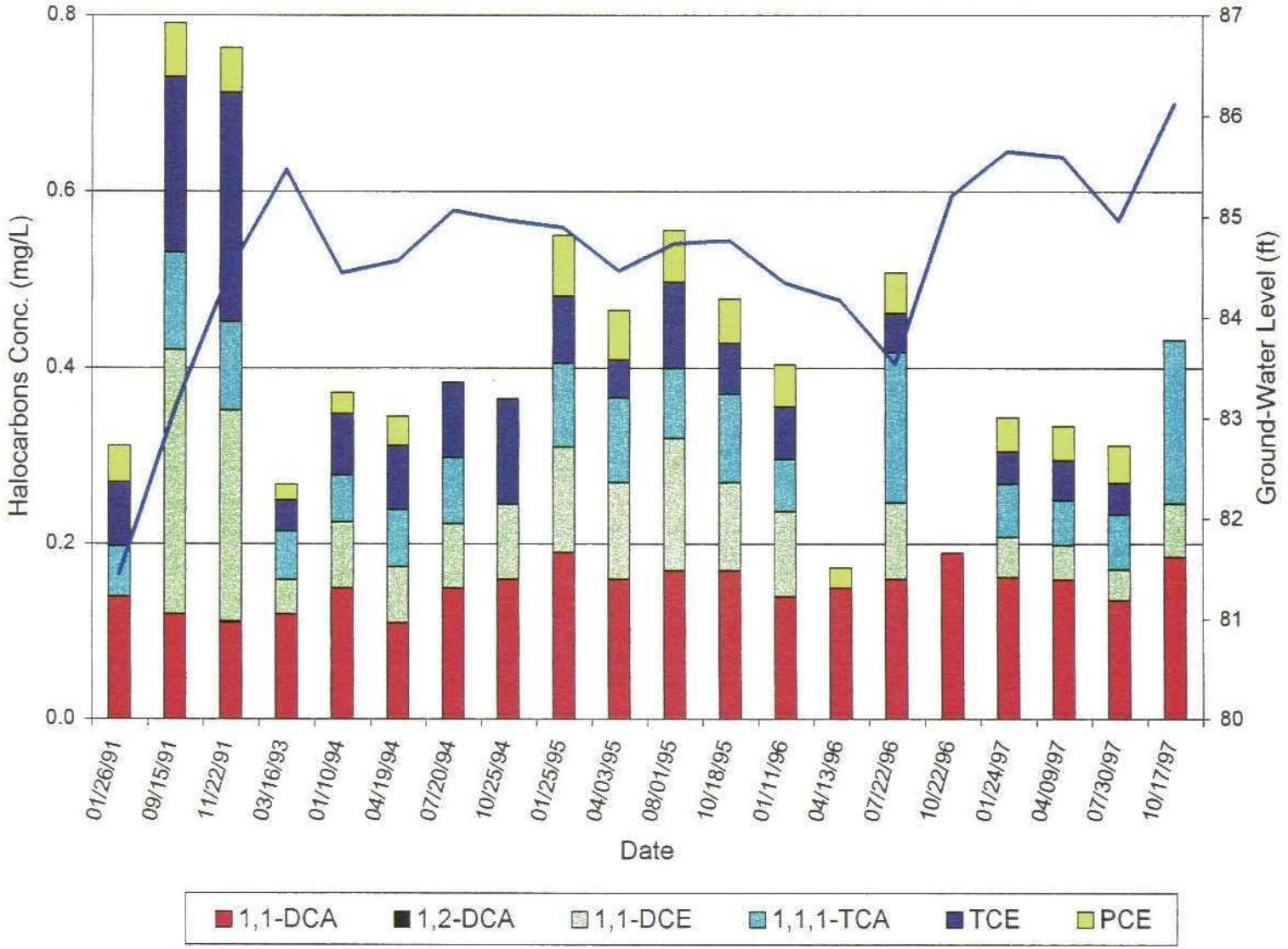
Monitoring Well MW-10
Halocarbons & Ground-Water Level



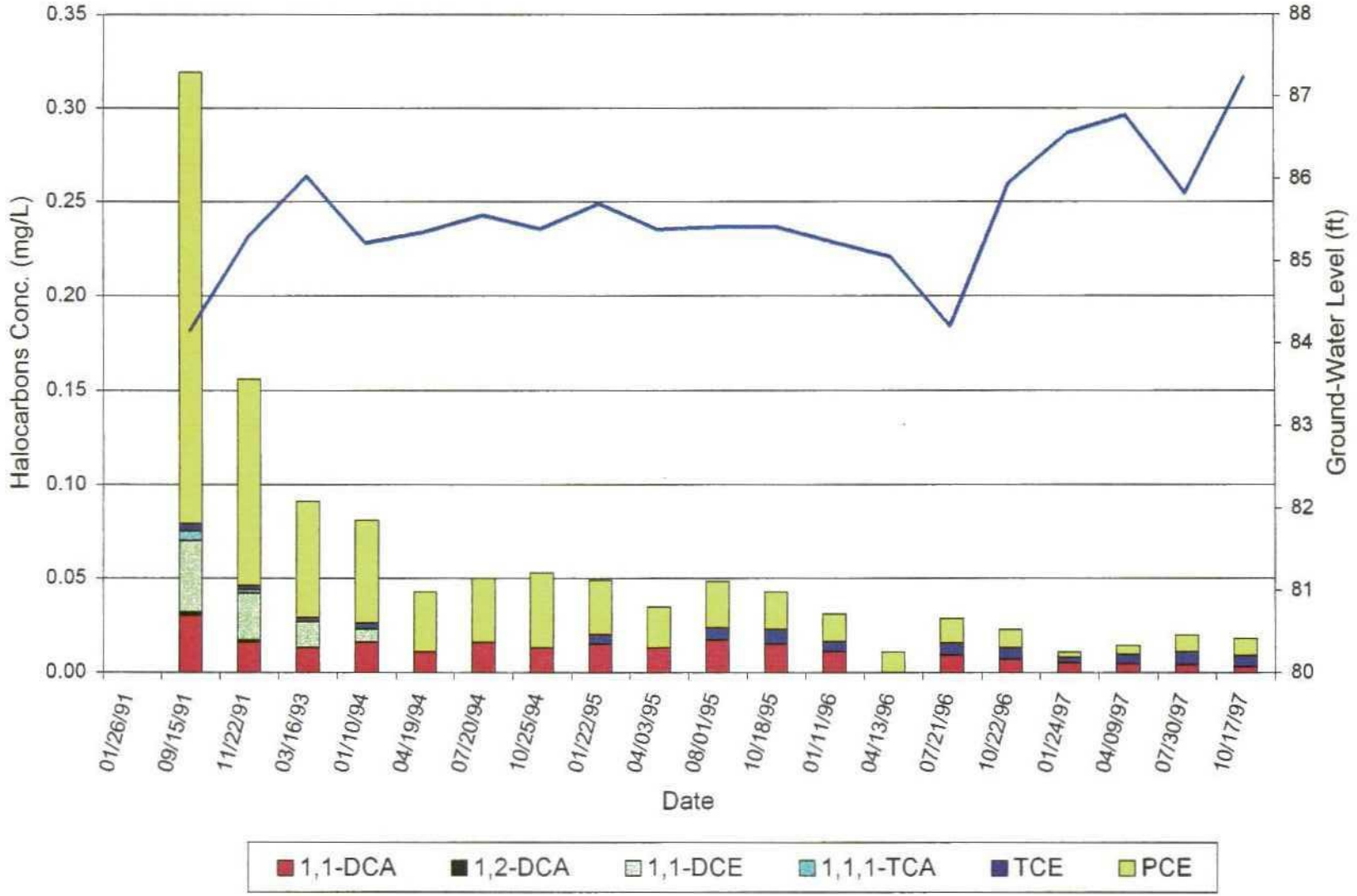
Monitoring Well MW-11
Halocarbons & Ground-Water Level



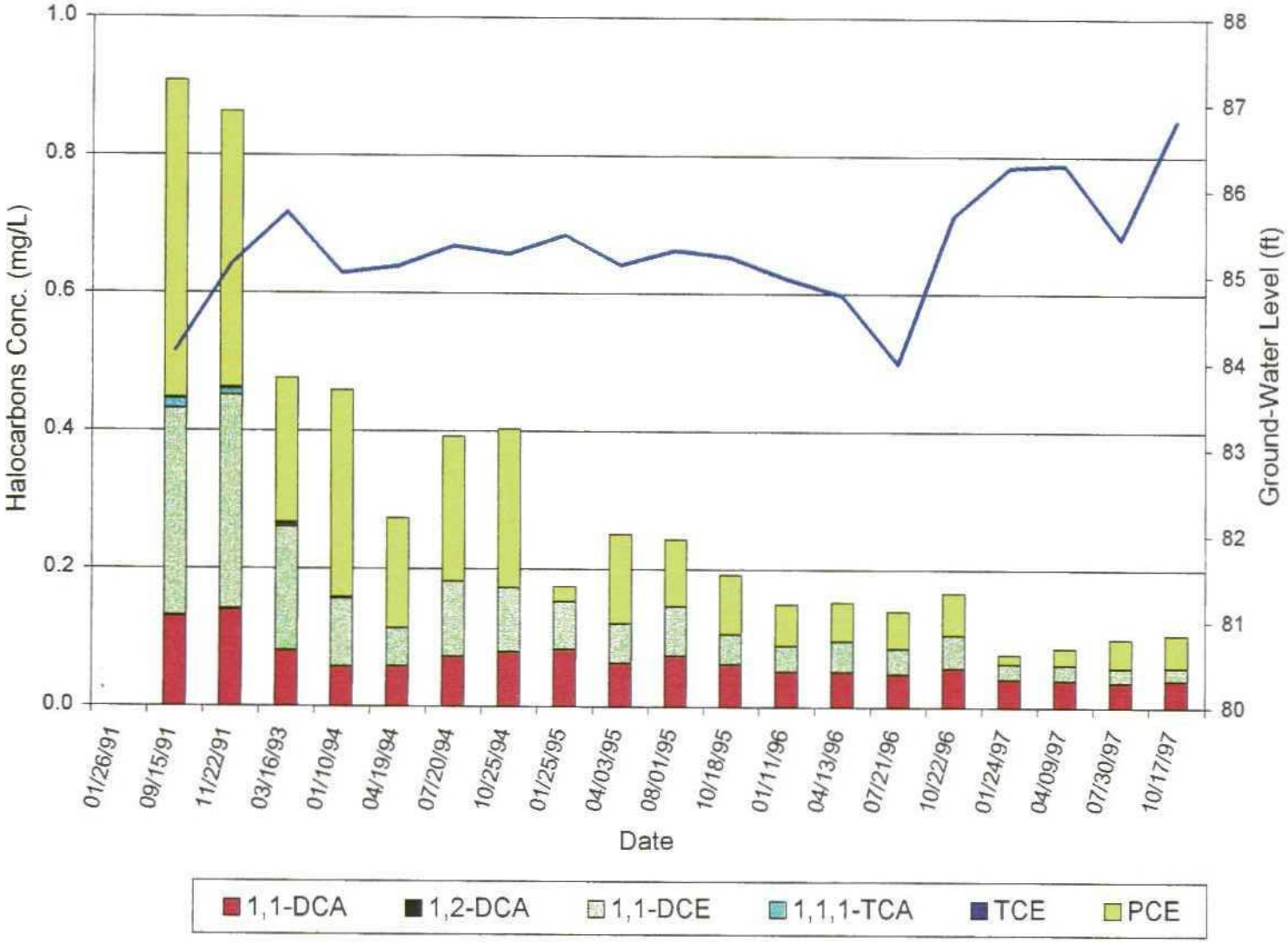
Monitoring Well MW-12
Halocarbons & Ground-Water Level



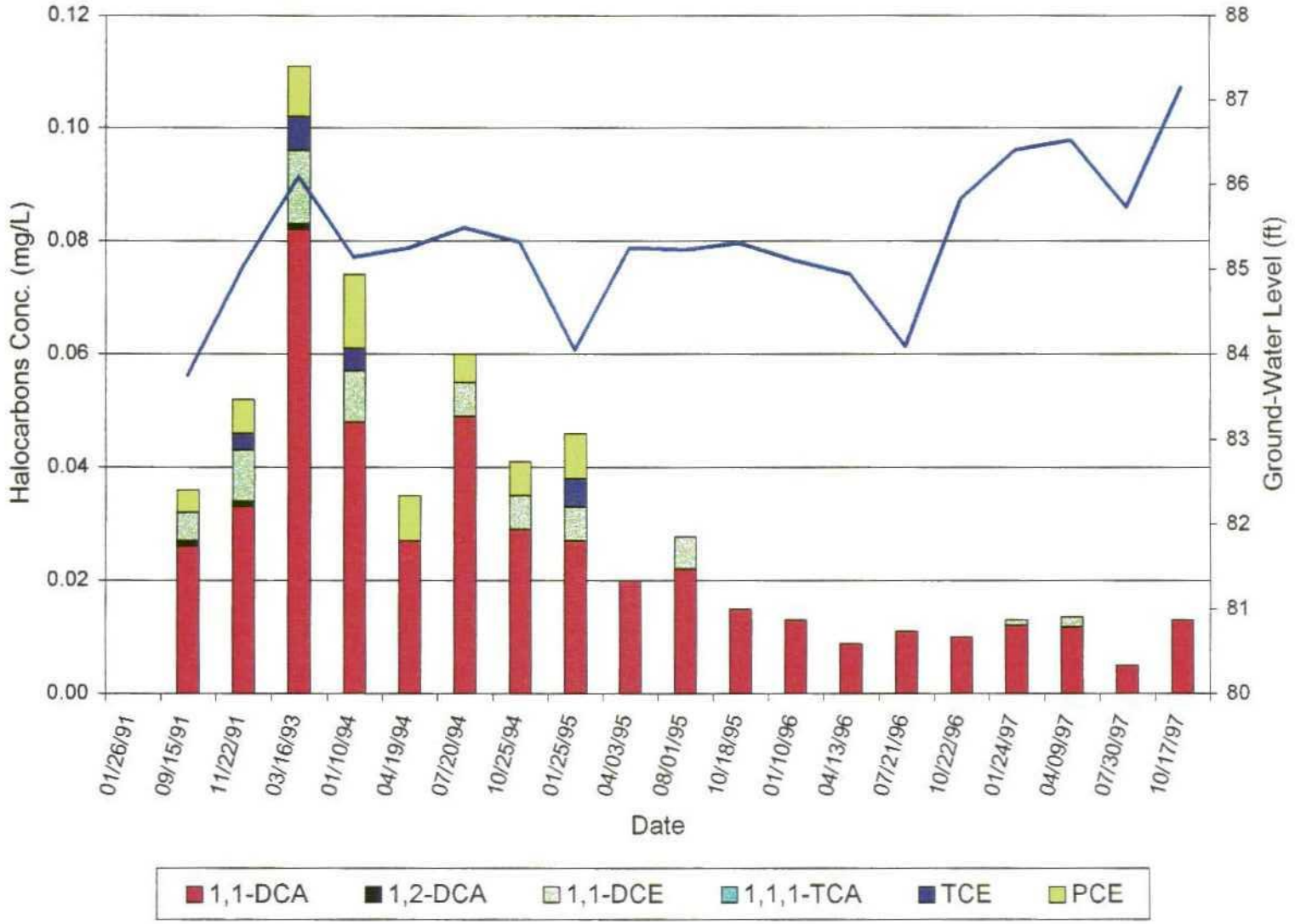
Monitoring Well MW-13
Halocarbons & Ground-Water Level



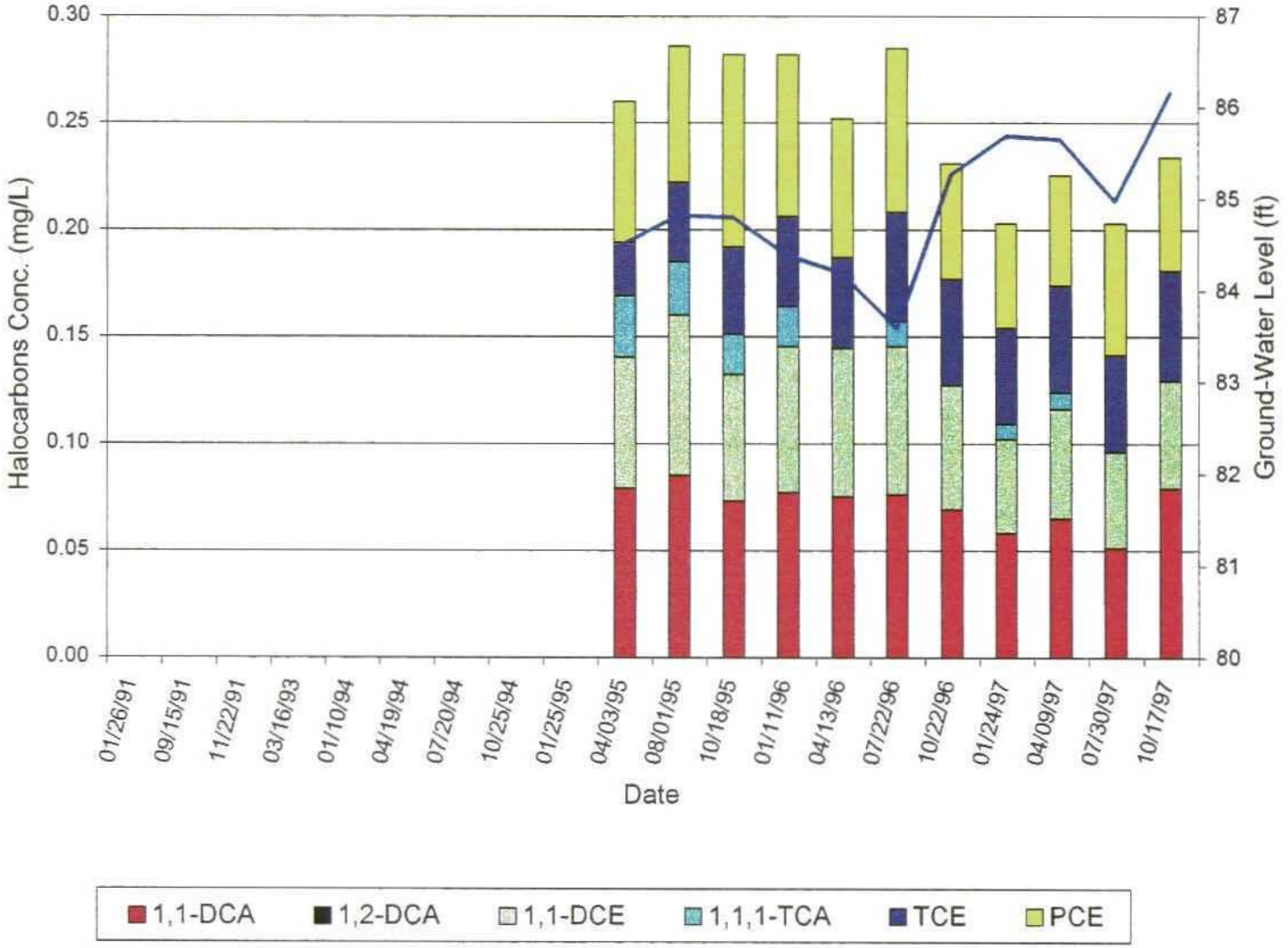
Monitoring Well MW-14
Halocarbons & Ground-Water Level



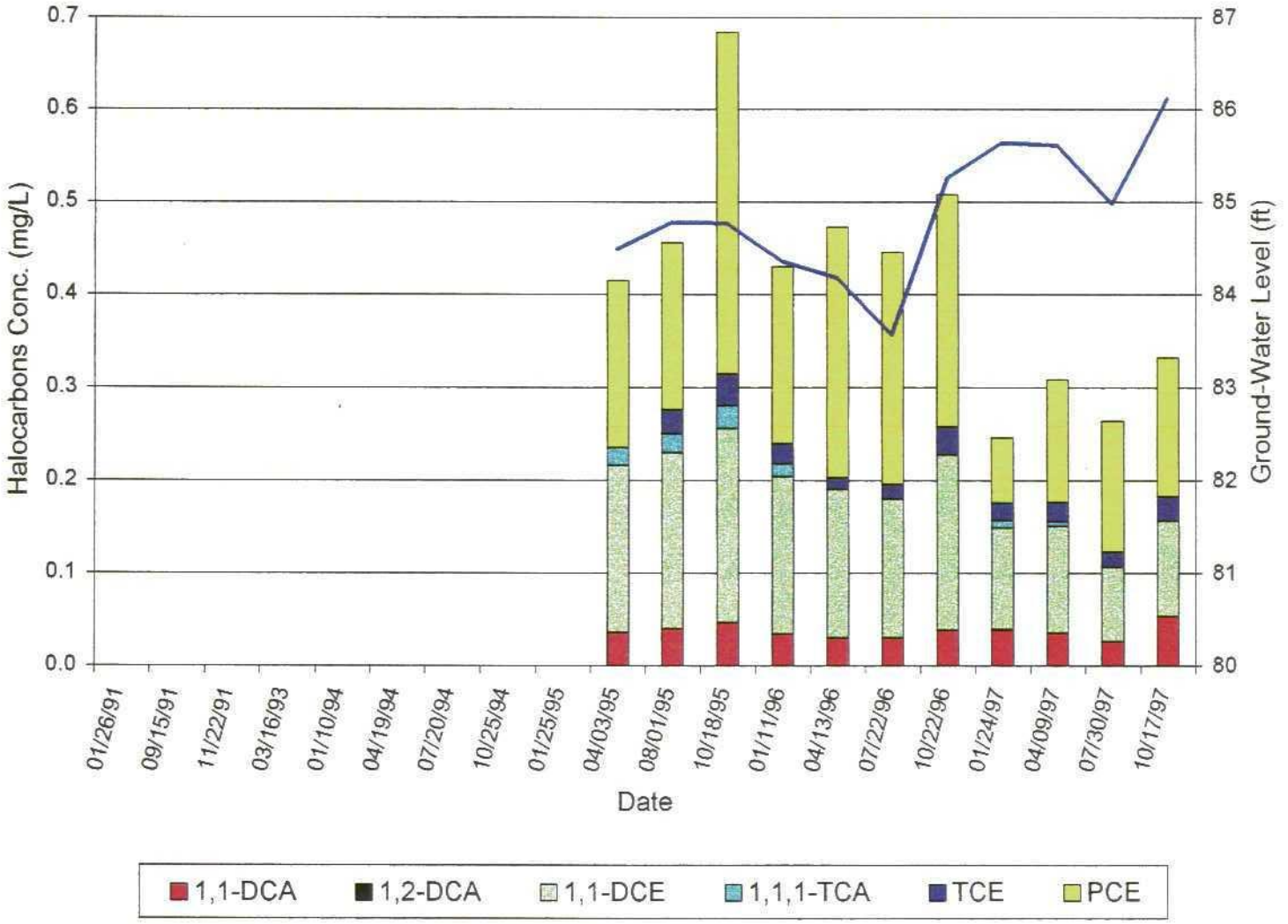
Monitoring Well MW-15
Halocarbons & Ground-Water Level



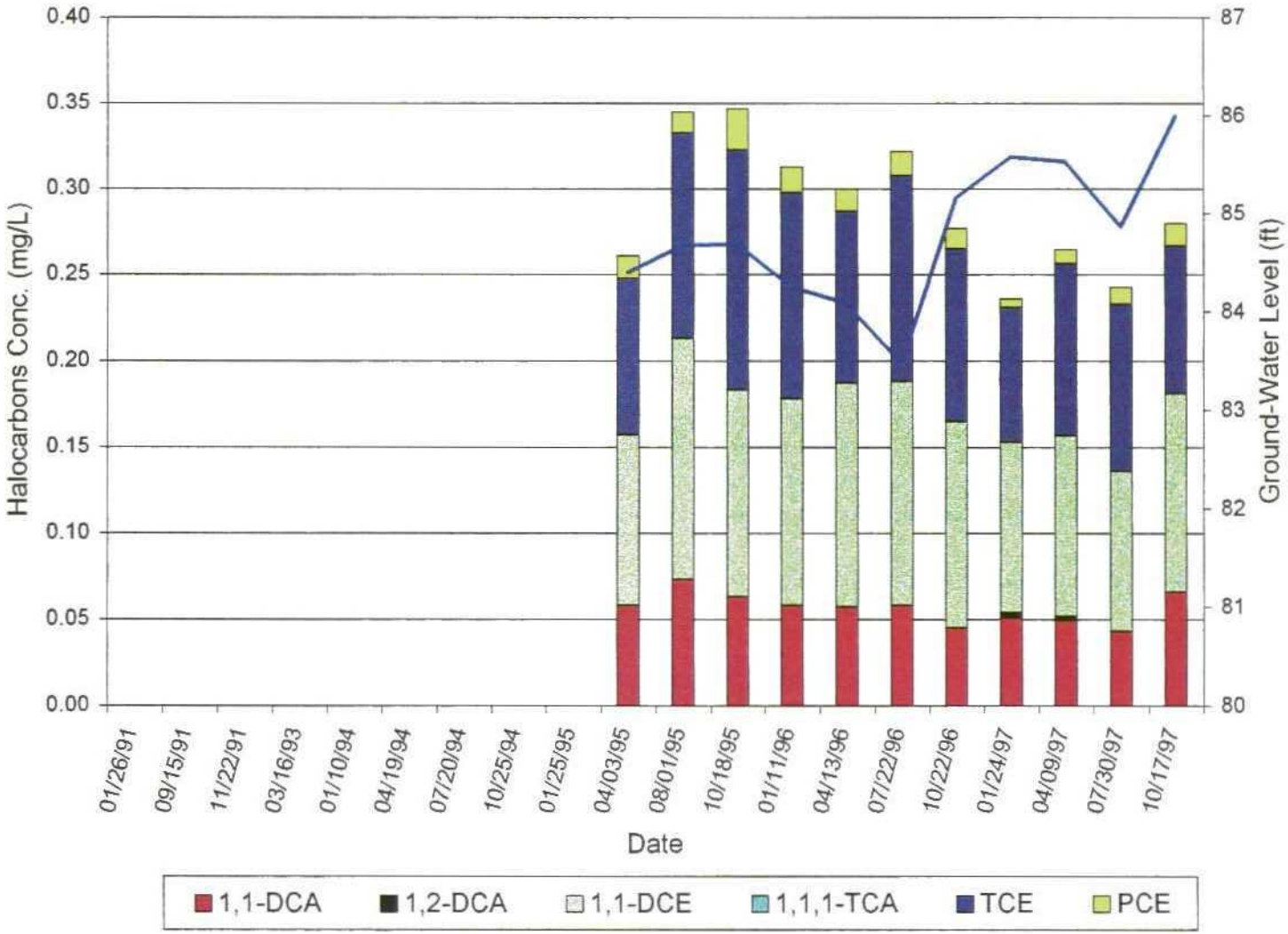
Monitoring Well MW-17A
Halocarbons & Ground-Water Level



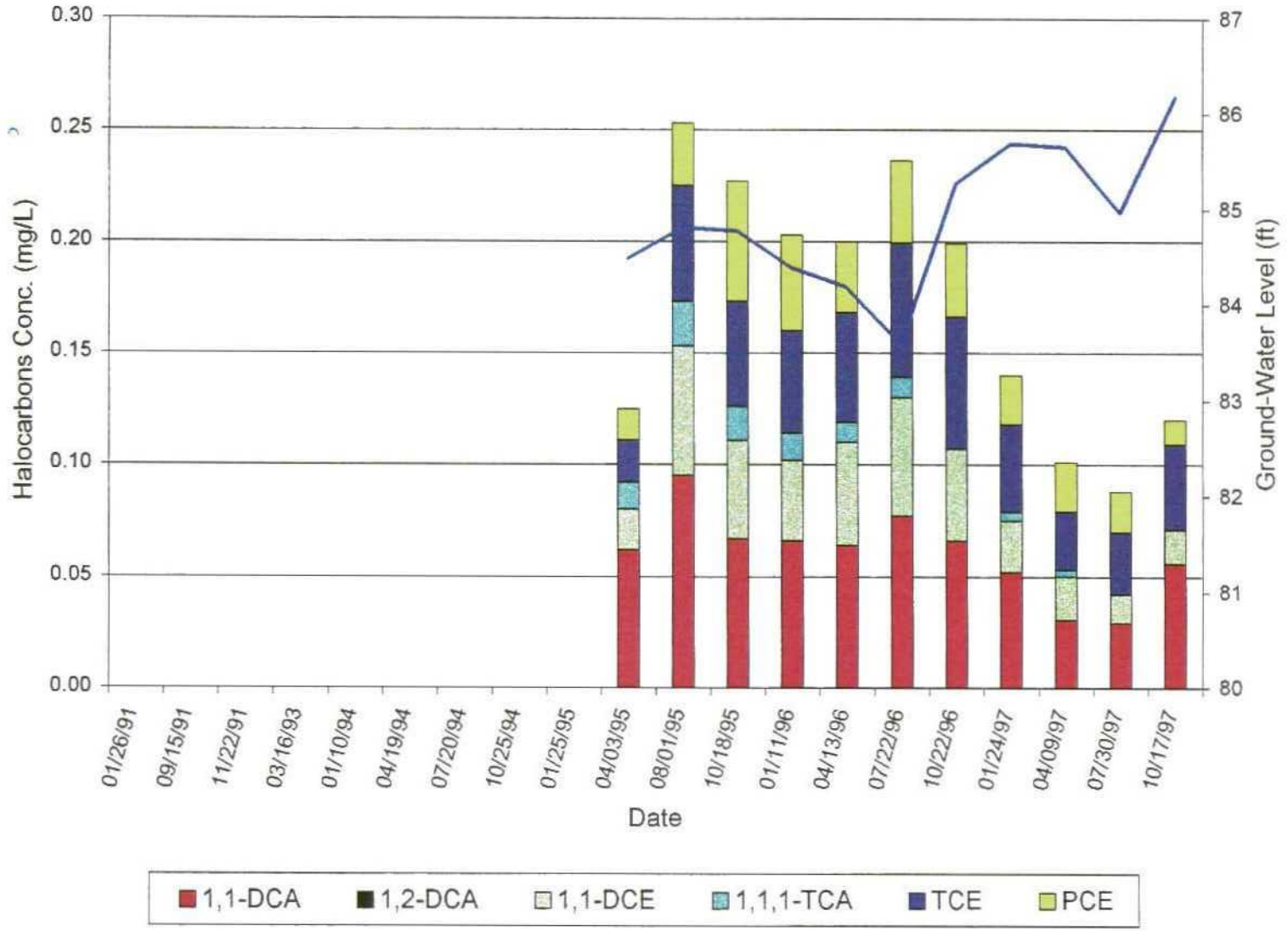
Monitoring Well MW-17B
Halocarbons & Ground-Water Level



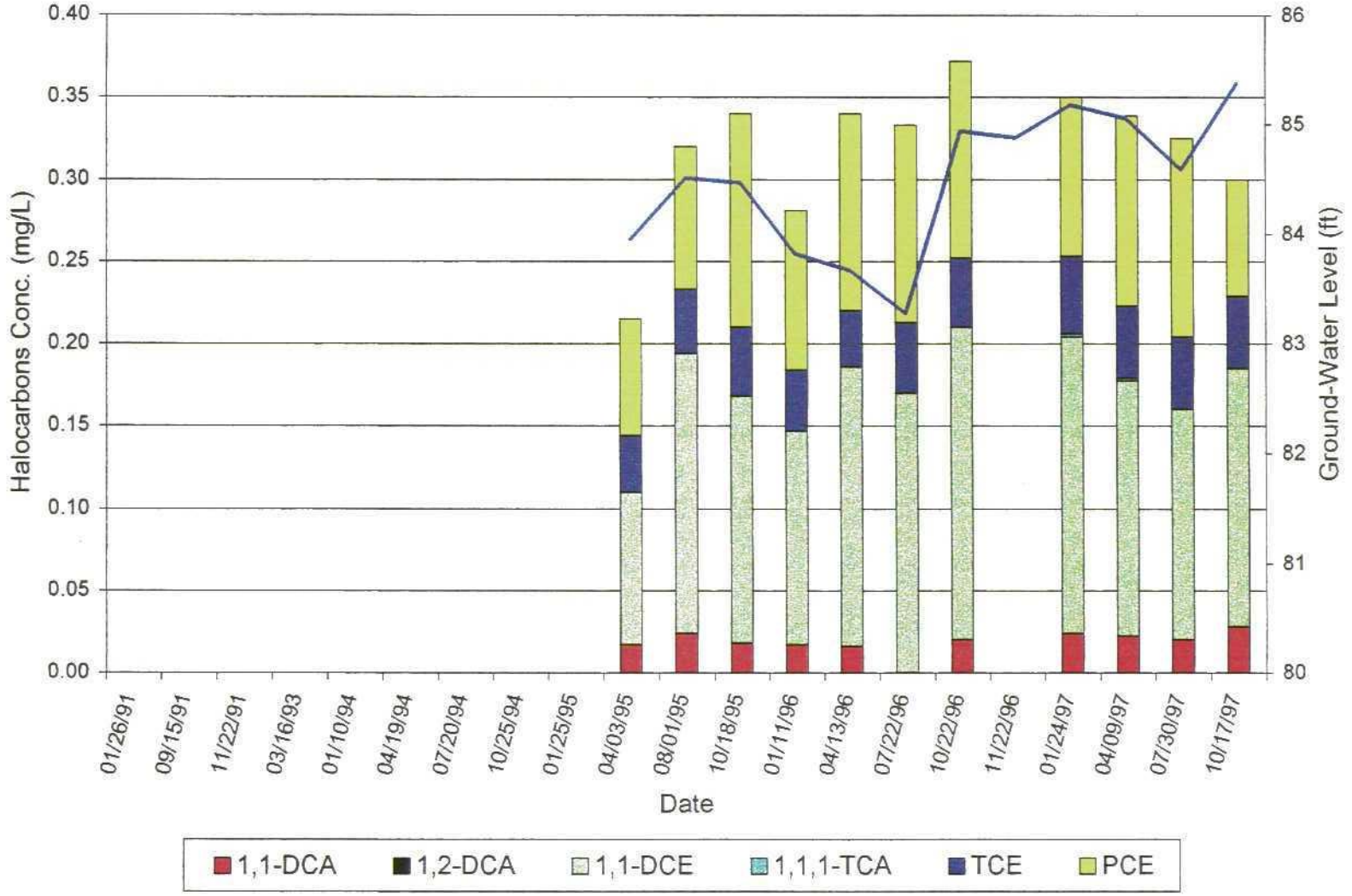
Monitoring Well MW-17C
Halocarbons & Ground-Water Level



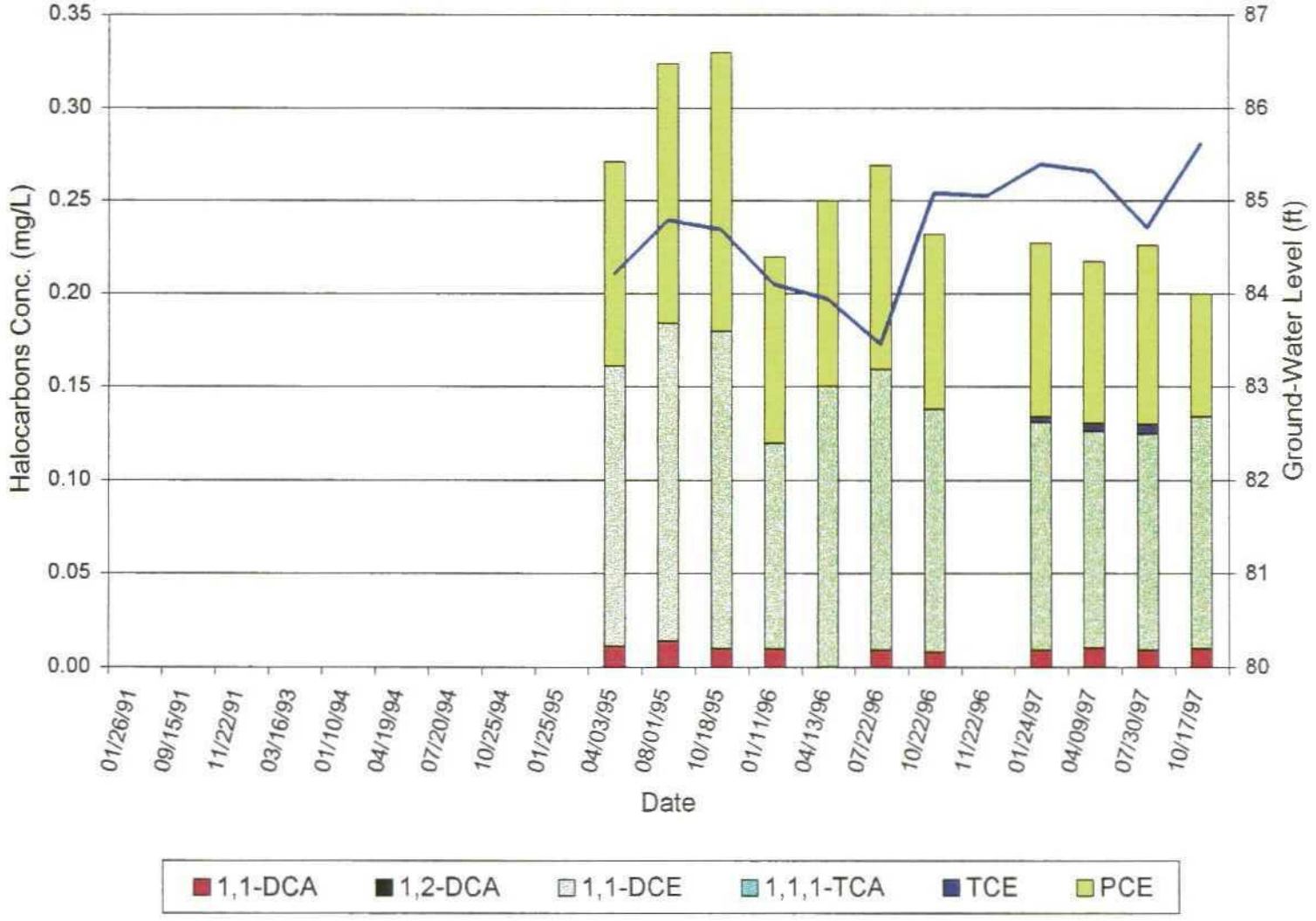
Monitoring Well MW-17D
Halocarbons & Ground-Water Level



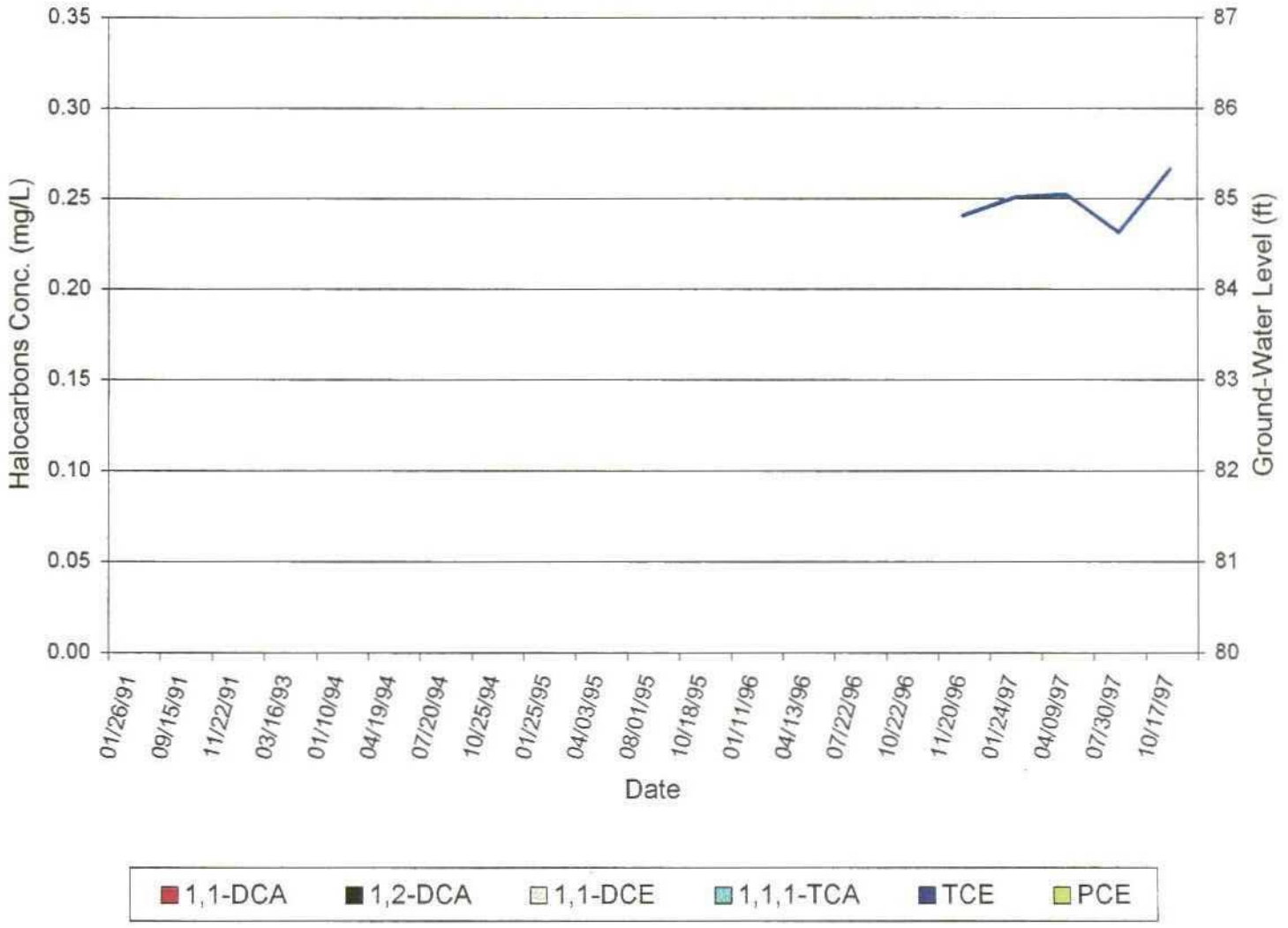
Monitoring Well MW-18
Halocarbons & Ground-Water Level



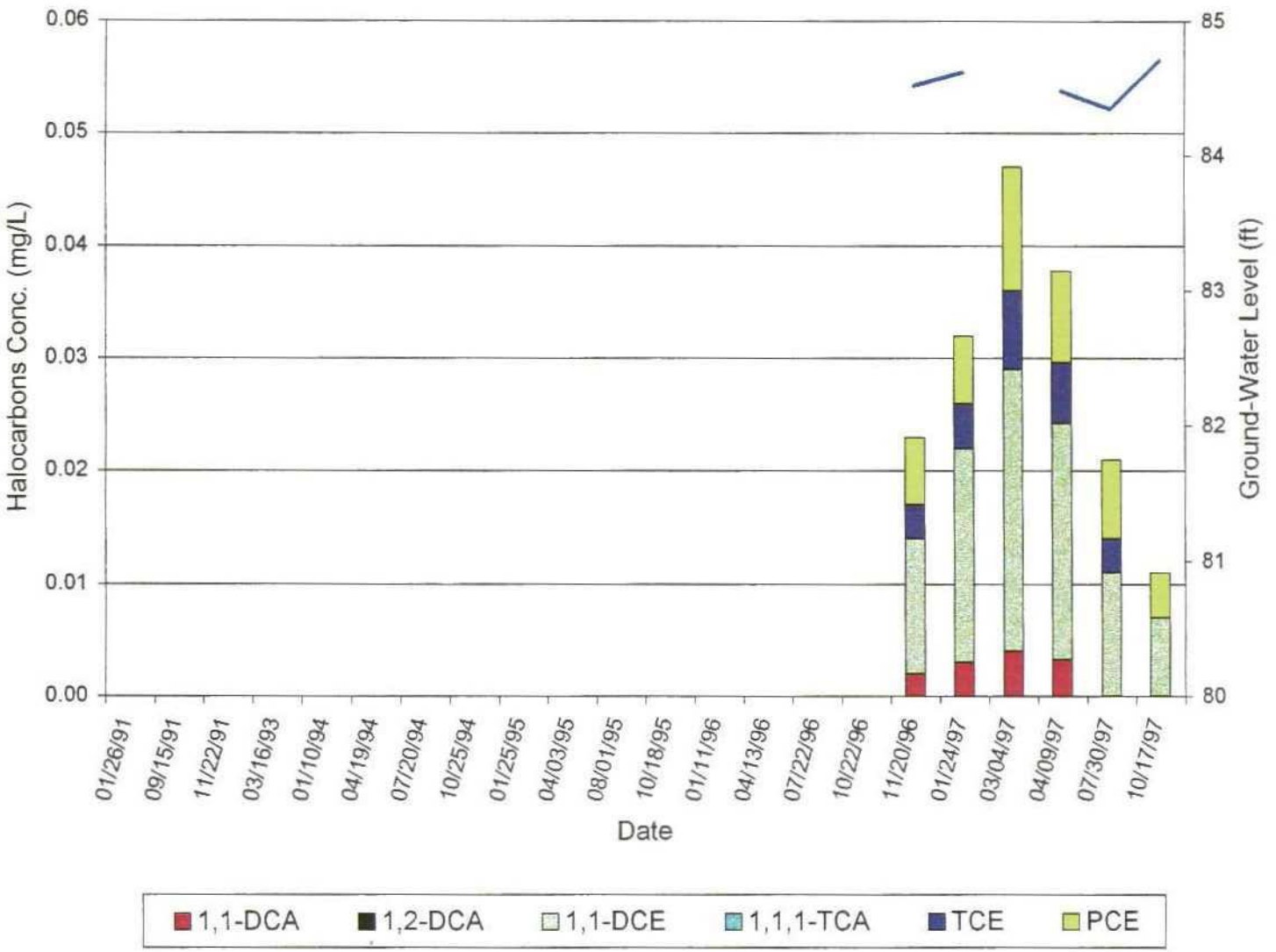
Monitoring Well MW-19
Halocarbons & Ground-Water Level



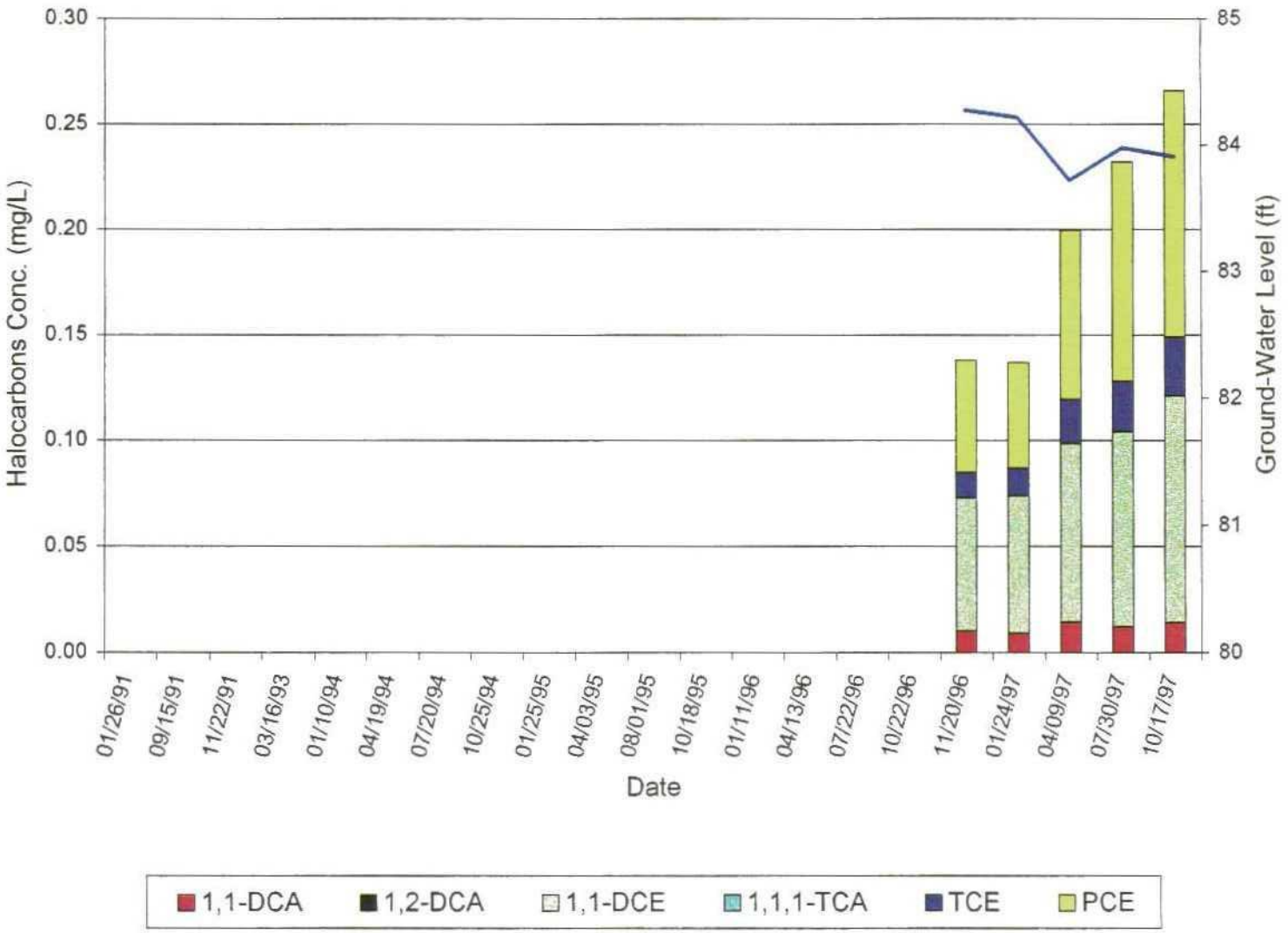
Monitoring Well MW-20
Halocarbons & Ground-Water Level



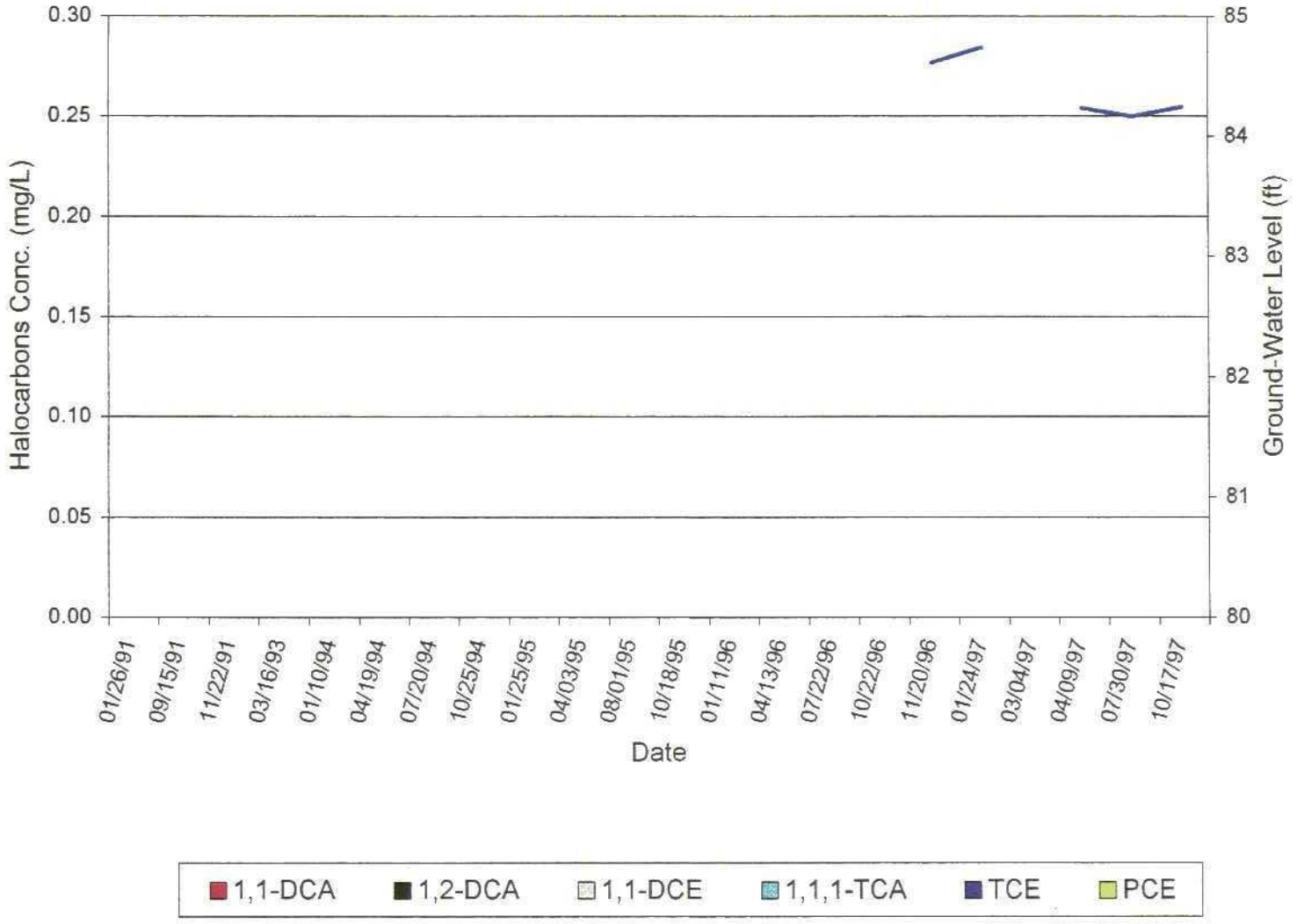
Monitoring Well MW-21
Halocarbons & Ground-Water Level



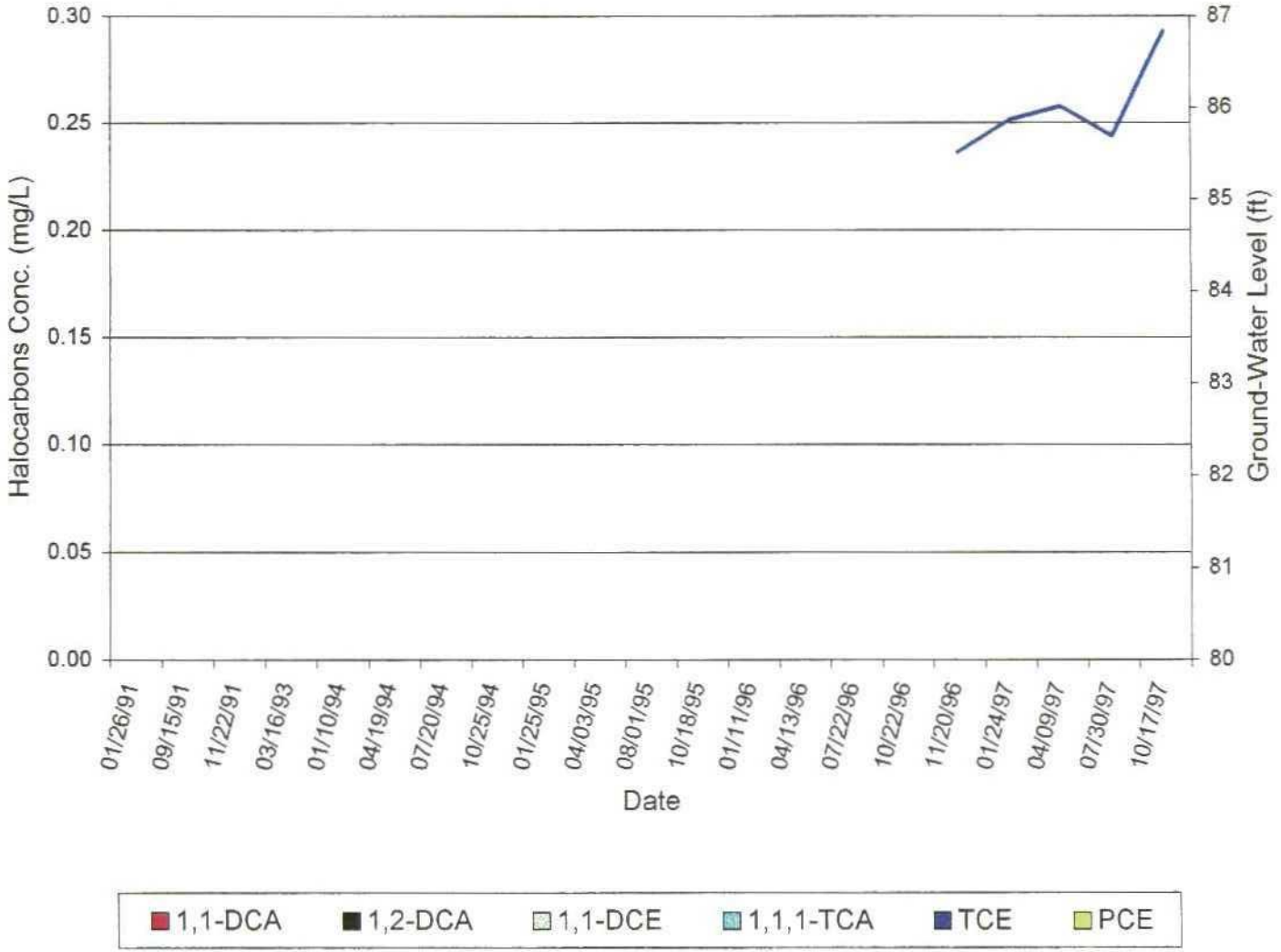
Monitoring Well MW-22
Halocarbons & Ground-Water Level



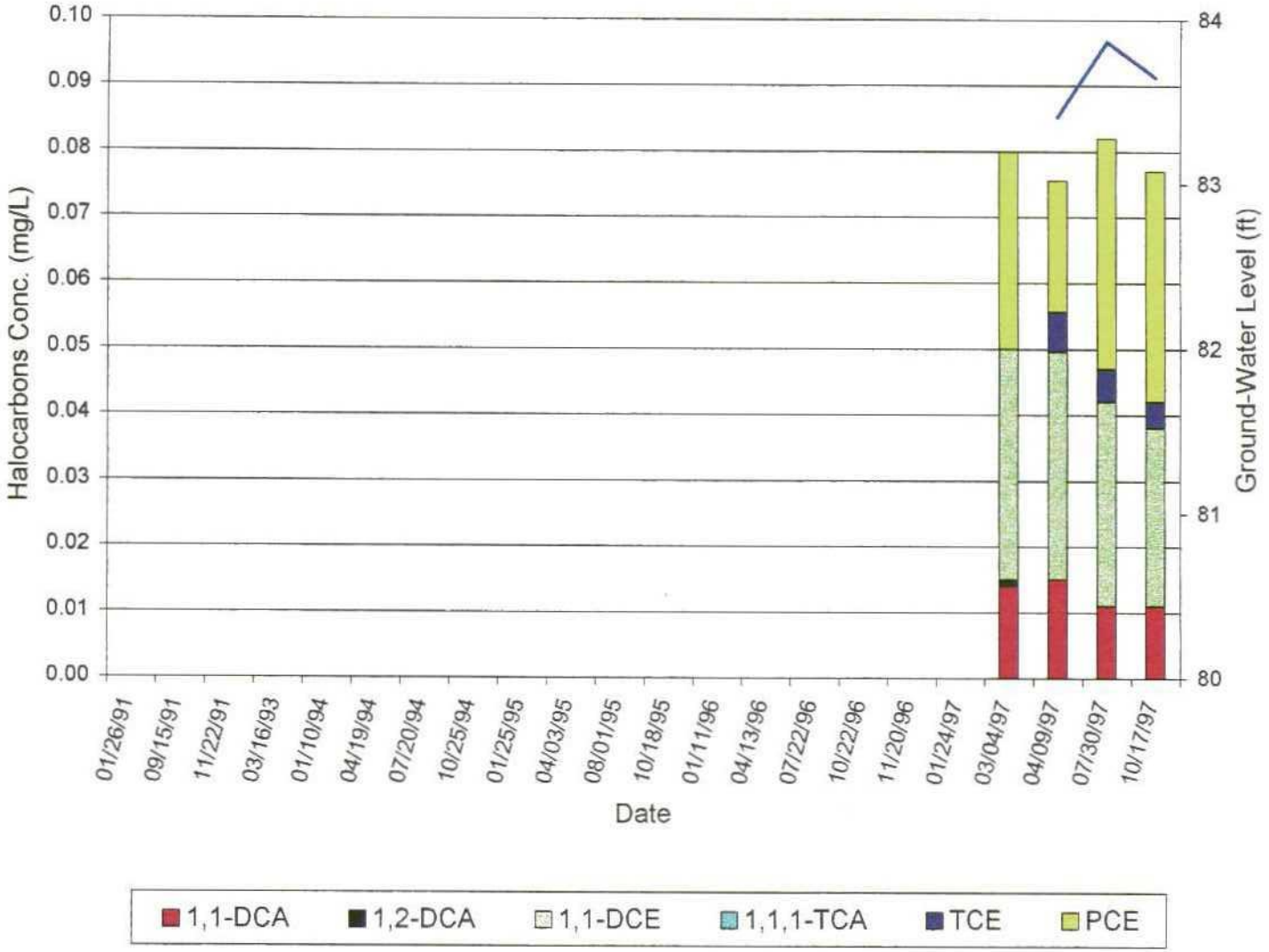
Monitoring Well MW-23
Halocarbons & Ground-Water Level



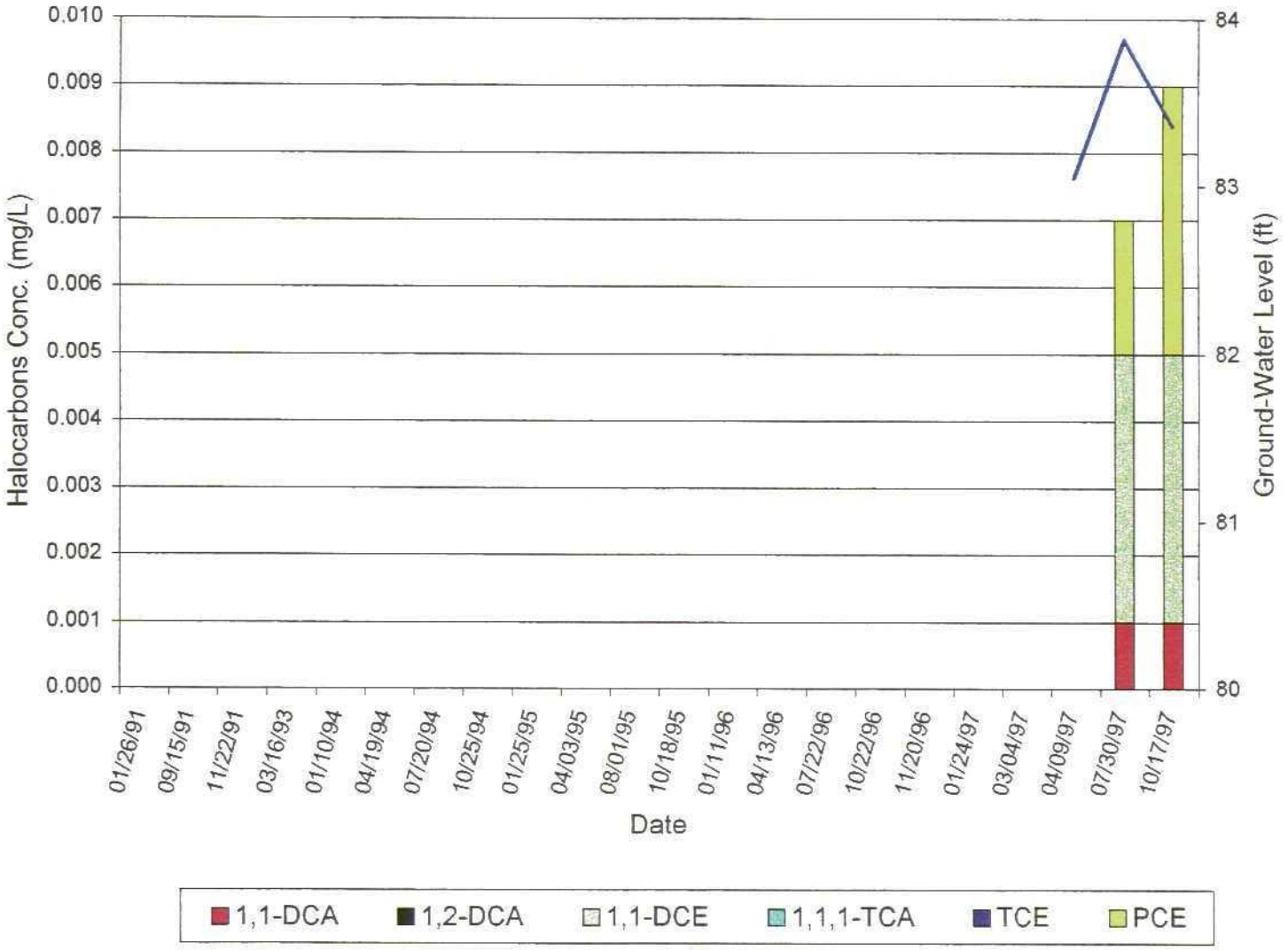
Monitoring Well MW-24
Halocarbons & Ground-Water Level



Monitoring Well MW-25
Halocarbons & Ground-Water Level



Monitoring Well MW-26
Halocarbons & Ground-Water Level



Monitoring Well MW-27
Halocarbons & Ground-Water Level



Schlumberger

Oilfield Services Shared Resources

John A. Miller
Remediation Manager

September 17, 1997

RECEIVED
NOV 24 1997
Environmental Bureau
Oil Conservation Division

Mr. Roger W. Anderson
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Third Quarter Ground-water Monitoring Report for the Dowell, a division of Schlumberger Technology Corporation Facility, Artesia, New Mexico.

Dear Mr. Anderson:

Enclosed are the results for the third quarter ground-water and air quality monitoring for 1997 at the Dowell facility in Artesia, New Mexico. Included with this document are a site and potientiometric surface map (Figure 1), static water level, air and water quality tables (Tables 1, 2, and 3), and laboratory data sheets.

The fourth quarter monitoring event is scheduled for October, 1997. If you have any comments or questions, please call me at 281-285-8498.

Sincerely,

John A. Miller
Remediation Manager

JAM/lld

Enclosures

cc: WWC, Laramie

P.O. Box 2727, Houston, Texas 77252-2727
300 Schlumberger Drive, Sugar Land, Texas 77478
(281) 285-8498 (281) 285-8526 (fax)

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DOWELL

50 FT. COUNTY RIGHT-OF-WAY

SOUTHEAST READY MIX

SECURITY FENCE

50 FT. COUNTY RIGHT-OF-WAY

DOWELL FACILITY

GRAVEL PARKING AREA

RICHEY AVENUE

EXISTING FENCE

GRAVEL PARKING AREA

PROPERTY LINE

60 FT. COUNTY RIGHT-OF-WAY

PROPERTY LINE

DOWELL

PROPERTY LINE

DOWELL

MW-24 85.69
MW-20 84.63
MW-10 85.06
MW-8 84.78
MW-7 84.75
MW-11 84.82
MW-12 85.15
MW-17C 84.87
MW-17B 84.98
MW-17A/D 84.58/84.97
PILOT HOLE
MW-9 85.51
MW-3 85.16
MW-6 84.83
MW-15 85.73
MW-13 85.82
MW-14 85.44
MW-5 86.50
MW-1 86.69
MW-16
MW-2 86.41
MW-4 87.13
MW-18 84.59
MW-19 84.71
MW-21 84.35
MW-25 83.87
MW-26 83.68
MW-22 83.98
MW-27 83.90
MW-23 84.16

86.00
85.50
85.00
84.50
84.00
86.50

EXPLANATION

- MW-12 85.15 — WWC MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- MW-6 83.88 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- TBM — TEMPORARY BENCH MARK
- 85.0 — POTENTIOMETRIC SURFACE CONTOUR
- AIR PIPING
- SVE EXTRACTION WELL

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

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Oil Conservation Division

FIGURE 1

SITE MAP WITH POTENTIOMETRIC SURFACE (7/29/97)

DOWELL, A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering
Engineering Environmental Mining Water Resources

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
	04/08/97				12.97	87.59	0.27
	07/29/97				13.87	86.69	-0.90
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
	04/08/97				12.21	87.35	0.20
	07/29/97				13.15	86.41	-0.94
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94				NM	NM	NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
	04/08/97				12.43	85.90	-0.01
	07/29/97				13.18	85.15	-0.75
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25
	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80
	01/21/97				15.37	87.81	0.91
	04/08/97				15.14	88.04	0.23
	07/29/97				16.05	87.13	-0.91

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33
	03/16/93				13.47	86.40	0.72
	01/09/94				14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
	04/08/97				12.52	87.35	0.17
	07/29/97				13.37	86.50	-0.85
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
	04/08/97				15.30	85.54	-0.09
	07/29/97				16.01	84.83	-0.71
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
	04/08/97				14.91	85.32	-0.10
	07/29/97				15.48	84.75	-0.57
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20
	04/19/94				17.06	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30
	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-8 Cont.	04/08/97				16.11	85.36	-0.06
	07/29/97				16.69	84.78	-0.58
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12
	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20
	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
	04/08/97				16.04	86.14	0.08
	07/29/97				16.67	85.51	-0.63
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
	04/08/97				15.70	85.64	0.03
	07/29/97				16.28	85.06	-0.58
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69
	01/21/97				15.15	85.45	0.37
	04/08/97				15.19	85.41	-0.04
	07/29/97				15.78	84.82	-0.59
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03
	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-12 Cont.	01/21/97				15.04	85.65	0.44
	04/08/97				15.10	85.59	-0.06
	07/29/97				15.73	84.96	-0.63
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30
	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
	04/08/97				12.48	86.77	0.22
	07/29/97				13.43	85.82	-0.95
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
	04/08/97				12.44	86.30	0.03
	07/29/97				13.30	85.44	-0.86
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
"	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08
	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
	04/08/97				13.53	86.52	0.11
	07/29/97				14.32	85.73	-0.79
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03
	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
	04/08/97				15.64	85.65	-0.04
	07/29/97				16.32	84.97	-0.68
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-17A Cont.	01/21/97				14.88	85.69	0.42
	04/08/97				14.92	85.65	-0.04
	07/29/97				15.59	84.98	-0.67
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
	04/08/97				15.67	85.61	-0.03
	07/29/97				16.30	84.98	-0.63
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17
	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
	04/08/97				15.80	85.53	-0.05
	07/29/97				16.46	84.87	-0.66
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
	04/08/97				13.66	85.06	-0.12
	07/29/97				14.13	84.59	-0.47
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
	04/08/97				13.76	85.32	-0.07
	07/29/97				14.37	84.71	-0.61
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
	04/08/97				16.04	85.05	0.04
	07/29/97				16.46	84.63	-0.42
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10
	04/08/97			98.89	14.41	84.48	-0.14
	07/29/97				14.54	84.35	-0.13
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
	04/08/97			97.14	13.42	83.72	-0.50
	07/29/97				13.16	83.98	0.26
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
	04/08/97			97.30	13.07	84.23	-0.51
	07/29/97				13.14	84.16	-0.07
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35
	04/08/97			103.41	17.40	86.01	0.15
	07/29/97				17.72	85.69	-0.32
MW-25	04/08/97	25.00	Protective Casing	97.64	14.23	83.41	-
	07/29/97				13.77	83.87	0.46
MW-26	04/08/97	25.00	Protective Casing	96.11	13.06	83.05	-

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-26 Cont.	07/29/97				12.23	83.88	0.83
MW-27	04/08/97	25.00	Protective Casing	96.17	13.06	83.11	-
	07/29/97				12.21	83.96	0.85

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet. Benchmark is located on the concrete right up against the east shop wall, at the northeast corner of the shop.

** = water level measurement may be in error

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	0.084	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	0.078	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	0.006	0.002	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	0.018	0.004	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
*	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
*	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.068
dup. *	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
*	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
*	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.081
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
	04/09/97	0.015	0.029	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.007	0.034
	07/30/97	0.010	0.045	ND(0.002)	ND(0.004)	0.00188J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	0.050
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.650	8.600	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)
	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011
	10/25/94	0.130	0.980	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J
	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.086	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
	04/09/97	0.034	0.137	ND(0.010)	0.146	0.065	ND(0.010)	0.064	ND(0.010)	ND(0.010)	0.107	0.013
	07/30/97	0.019	0.177	ND(0.010)	0.644	0.057	ND(0.010)	0.043	ND(0.010)	ND(0.010)	0.103	0.035
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.008	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-5 Cont. *	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019
	04/09/97	0.040	0.040	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.026
	07/30/97	0.018	0.044	ND(0.002)	ND(0.004)	0.00168J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	0.029
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.008
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.025	ND(0.002)	ND(0.002)	ND(0.002)	0.009
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.016	ND(0.002)	ND(0.002)	ND(0.002)	0.008
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
	04/09/97	0.005	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.186	ND(0.002)	ND(0.002)	0.017	0.148
	07/30/97	0.0045J	ND(0.010)	ND(0.010)	ND(0.020)	0.023	ND(0.010)	0.236	ND(0.010)	ND(0.010)	0.019	0.255
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-8 Cont.	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.008
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.062	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.006	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
	04/09/97	0.00094J	ND(0.002)	ND(0.002)	ND(0.004)	0.015	ND(0.002)	0.097	ND(0.002)	ND(0.002)	0.019	0.028
	07/30/97	0.00084J	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.105	ND(0.002)	ND(0.002)	0.015	0.048
dup.	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	ND(0.002)	0.108	0.0018J	ND(0.002)	0.015	0.055
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
	04/09/97	0.00051J	ND(0.001)	ND(0.001)	ND(0.002)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	0.00096J
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.00122J	ND(0.002)	ND(0.002)	0.00122J	ND(0.002)
MW-10	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-10 Cont.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0008J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.00094J	ND(0.002)	0.158	0.004	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	0.156	0.0036J	ND(0.005)	ND(0.005)	ND(0.005)
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
•	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
•	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.083	0.330
dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
•	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
•	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
	04/09/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.128	0.008	ND(0.002)	0.027	0.180
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.032	ND(0.005)	0.102	0.006	ND(0.005)	0.032	0.170
MW-12	01/26/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.081
•	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
•	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033
•	07/20/94	0.160	0.720	0.071	0.810	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
•	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.096	0.059
•	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
•	04/13/96	0.098	0.620	0.180	0.690	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-12 Cont.	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
	04/09/97	0.086	0.920	0.138	1.869	0.159	ND(0.020)	0.040	0.051	ND(0.020)	0.046	0.039
dup.	04/09/97	0.079	0.855	0.129	1.837	0.159	ND(0.010)	0.040	0.054	ND(0.010)	0.047	0.039
	07/30/97	0.090	0.969	0.127	2.294	0.136	ND(0.020)	0.035	0.062	ND(0.020)	0.036	0.043
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025
	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
	04/09/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.00044J	ND(0.001)	ND(0.001)	0.005	0.005
dup.	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.0005J	ND(0.001)	ND(0.001)	0.006	0.005
	07/30/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.009
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.081
dup.	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.084
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
	04/09/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.023	ND(0.005)	ND(0.005)	ND(0.005)	0.024
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.036	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	0.043
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-15 Cont.	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.008	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0,005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J
	04/09/97	0.00063J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.00059J	0.002	ND(0.001)	ND(0.001)	0.00073J	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.00068J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.082	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.087	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.030	ND(0.001)	0.020	0.003	ND(0.001)	0.026	0.022
	07/30/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.029	ND(0.002)	0.013	0.00154J	ND(0.002)	0.028	0.018
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.084
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.088
*	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.085
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.089	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
	04/09/97	0.007	ND(0.001)	ND(0.001)	ND(0.002)	0.065	0.00092J	0.051	0.008	ND(0.001)	0.051	0.051
	07/30/97	0.00435J	ND(0.005)	ND(0.005)	ND(0.010)	0.051	ND(0.005)	0.045	0.0038J	ND(0.005)	0.045	0.062
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-17B Cont.	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
	04/09/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.035	0.00098J	0.115	0.005	ND(0.002)	0.021	0.132
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.026	ND(0.005)	0.080	0.0035J	ND(0.005)	0.017	0.141
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
	04/09/97	0.011	ND(0.002)	ND(0.002)	ND(0.004)	0.049	0.002	0.105	ND(0.002)	ND(0.002)	0.100	0.008
	07/30/97	0.010	ND(0.005)	ND(0.005)	ND(0.010)	0.043	0.00225J	0.093	ND(0.005)	ND(0.005)	0.097	0.010
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0008J	0.180	0.002	ND(0.001)	0.047	0.097
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.022	0.00069J	0.155	0.002	ND(0.001)	0.044	0.116
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.140	0.0011J	ND(0.002)	0.044	0.121
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.116	0.00069J	ND(0.001)	0.004	0.087
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.009	ND(0.002)	0.116	ND(0.002)	ND(0.002)	0.005	0.096
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.008
	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011
	04/09/97	0.00148J	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.005	0.008
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.0014J	ND(0.002)	0.011	ND(0.002)	ND(0.002)	0.003	0.007

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.083	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.085	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
	04/09/97	0.013	ND(0.001)	ND(0.001)	ND(0.002)	0.014	0.00072J	0.084	ND(0.001)	ND(0.001)	0.021	0.080
	07/30/97	0.014	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.092	ND(0.002)	ND(0.002)	0.024	0.104
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030
	04/09/97	0.015	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00085J	0.035	ND(0.001)	ND(0.001)	0.006	0.020
duplicate	04/09/97	0.014	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00078J	0.034	ND(0.001)	ND(0.001)	0.005	0.019
	07/30/97	0.023	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.00118J	0.031	ND(0.002)	ND(0.002)	0.005	0.035
MW-26	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
duplicate	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.002
MW-27	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

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

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

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	7.00
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.40
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	3.00
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)	1.90
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
•	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20	NA
	10/18/95	ND(0.2)	2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00	ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20	1.80
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60	ND(1)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10	2.50
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00	ND(1)
•	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07	ND(0.04)
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68	ND(0.2)
	10/18/95	ND(0.2)	2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-COMP	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60J	NA
WB-1	02/10/94	ND(1)	3.57	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)	ND(2)
	02/16/94	ND(1)	1.20	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50	9.10
	02/23/94	ND(0.5)	2.20	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.60	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.60	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60	4.10
	03/18/94	ND(0.5)	14.60	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)	21.30
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	4.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)	1.20
	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-1 Cont.	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00	ND(1)
	07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
•	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
•	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
•	12/05/94	ND(0.001)	0.19	0.14	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04	NA
	01/25/95	ND(0.04)	0.16	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28	ND(0.2)
WB-2	02/10/94	1.67	5.03	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3.00	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50	6.70
	02/23/94	1.40	9.30	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.30	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.40	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	26.70
	03/18/94	0.70	4.80	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	18.70
	03/28/94	ND(0.5)	1.90	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.10	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	4.10	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	1.60
	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
•	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
•	09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.28
•	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23	NA
	01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
WB-3	02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	ND(2)
	02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60	1.40
	03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)	3.80
	03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)	46.40
	03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)	13.30
	05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)	ND(1)
•	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
•	09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
•	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	NA
	01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37	ND(0.04)
	05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)
WB-N1	05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	ND(0.2)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-N2	05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	ND(0.2)
WB-N3	05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	ND(0.2)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38	ND(0.2)
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	NA
	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	3.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	10.07	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.
During and after January 1995, the laboratory analytical method used was EPA Method 8260.
See laboratory reports for concentrations of additional analytes.
In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:
mg/m3 = milligrams per cubic meter
* = units reported as "ppm" or "mg/L". Detection limit may be incorrect.
J = chemical present above instrument detection limit but below method detection limit
NA = not analyzed
MS = Maintenance Shop SVE system
WB = Wash Bay SVE system
WB-N1 = north subzone of Wash Bay Zone 1
WB-N2 = north subzone of Wash Bay Zone 2
WB-N3 = north subzone of Wash Bay Zone 3
WB-COMP = composite sample from Wash Bay zones 1, 2, and 3
MS-COMP = composite sample from Maintenance Shop zones 1 and 2

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

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-1.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42001	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	1,1 - Dichloroethane	ND	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**17.7**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	Tetrachloroethene	ND	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	**Ethylbenzene**	**4.24**	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

Brent's comments 17th & 25th

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September 8, 1997

Mr. John Miller
Remediation Manager
Dowell, a division of Schlumberger Technology Corporation
300 Schlumberger Drive
Sugar Land, TX 77478

Re: Results of Third Quarter Ground-water Monitoring Event at the Dowell, a division of Schlumberger Technology Corporation Facility in Artesia, New Mexico:
WWC JN 90-125L.5

Dear John:

Enclosed are the results of the third quarter ground-water monitoring event performed July 27-28, 1997 at the Artesia, New Mexico facility. **DRAFT** cover letters to Mr. Roger Anderson of the New Mexico Oil Conservation Division (NMOCD) and Mr. Steve Reuter of the New Mexico Environment Department (UST Bureau) in Santa Fe have been provided for your convenience. Enclosed for submittal with the cover letters are a site and potientiometric surface map (Figure 1), static water level, water and air quality tables (Tables 1,2 and 3), and laboratory data sheets.

In addition, we have enclosed an updated isoconcentration (total halocarbons) -.15 for your information or to be included in the report to Mr. Sanchez if you desire.

The fourth quarter sampling event for Artesia is scheduled for October 1997. If you have any questions, please feel free to contact me.

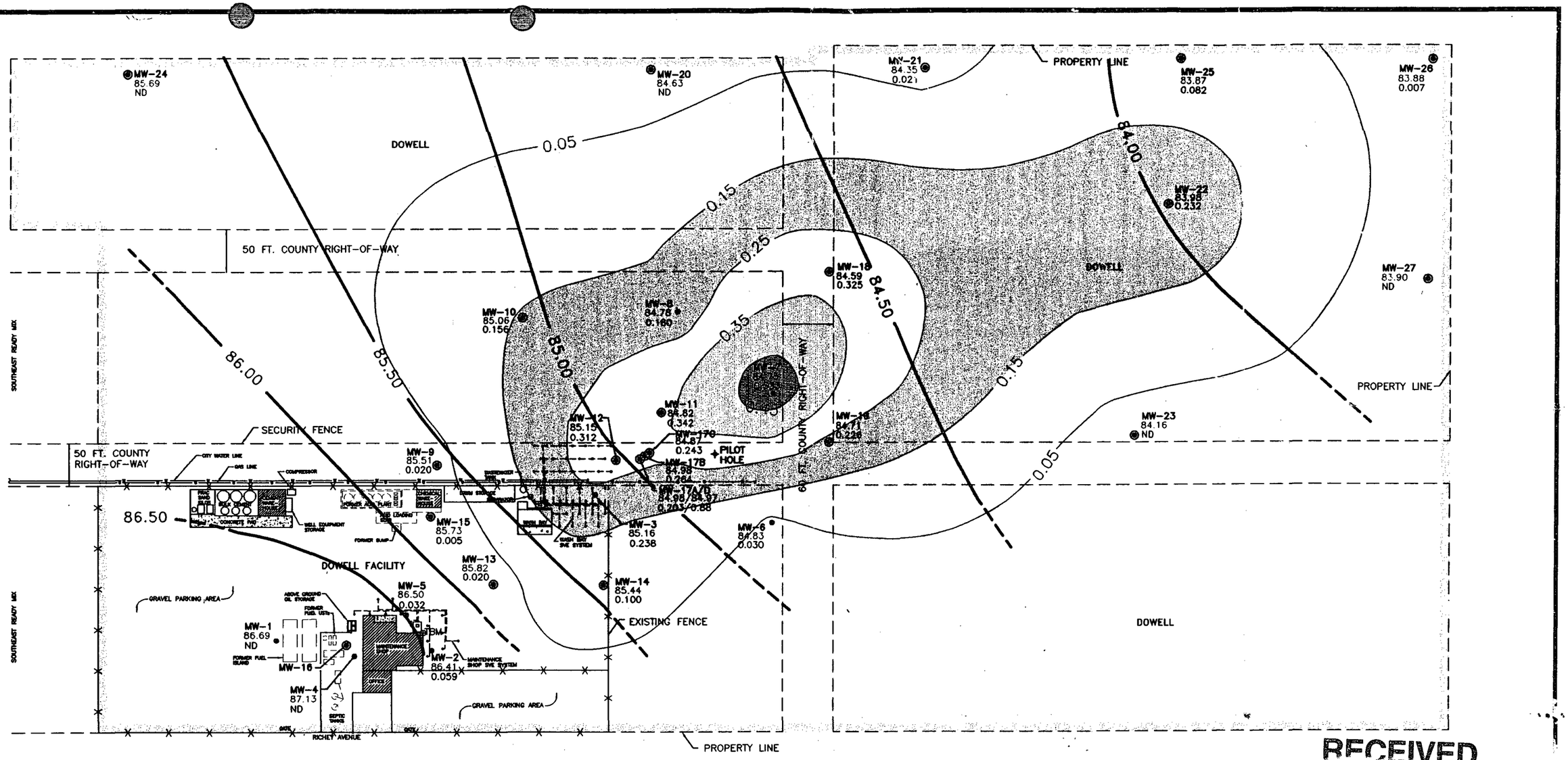
Sincerely,

Kevin Mattson

Kevin Mattson, P.G.

KM:gh
Enclosures
cc: Tracy Goad Walters w/enclosures
Brent Schindler w/enclosures
File: 90-125L-A

K:\1720\40\90-125L\97\HAL07-97.DWG 09/05/97 11:33



EXPLANATION

- MW-12 / 85.65 / 0.19 — WWC MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)
- MW-6 / 85.22 / 0.70 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)
- TBM — TEMPORARY BENCH MARK
- AIR PIPING
- SVE EXTRACTION WELL

TOTAL HALOCARBON CONCENTRATIONS (mg/L)

- 0.45
- 0.35
- 0.25
- 0.15
- 0.05

-83.00- POTENTIOMETRIC SURFACE CONTOUR (DASHED WHERE INFERRED)

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

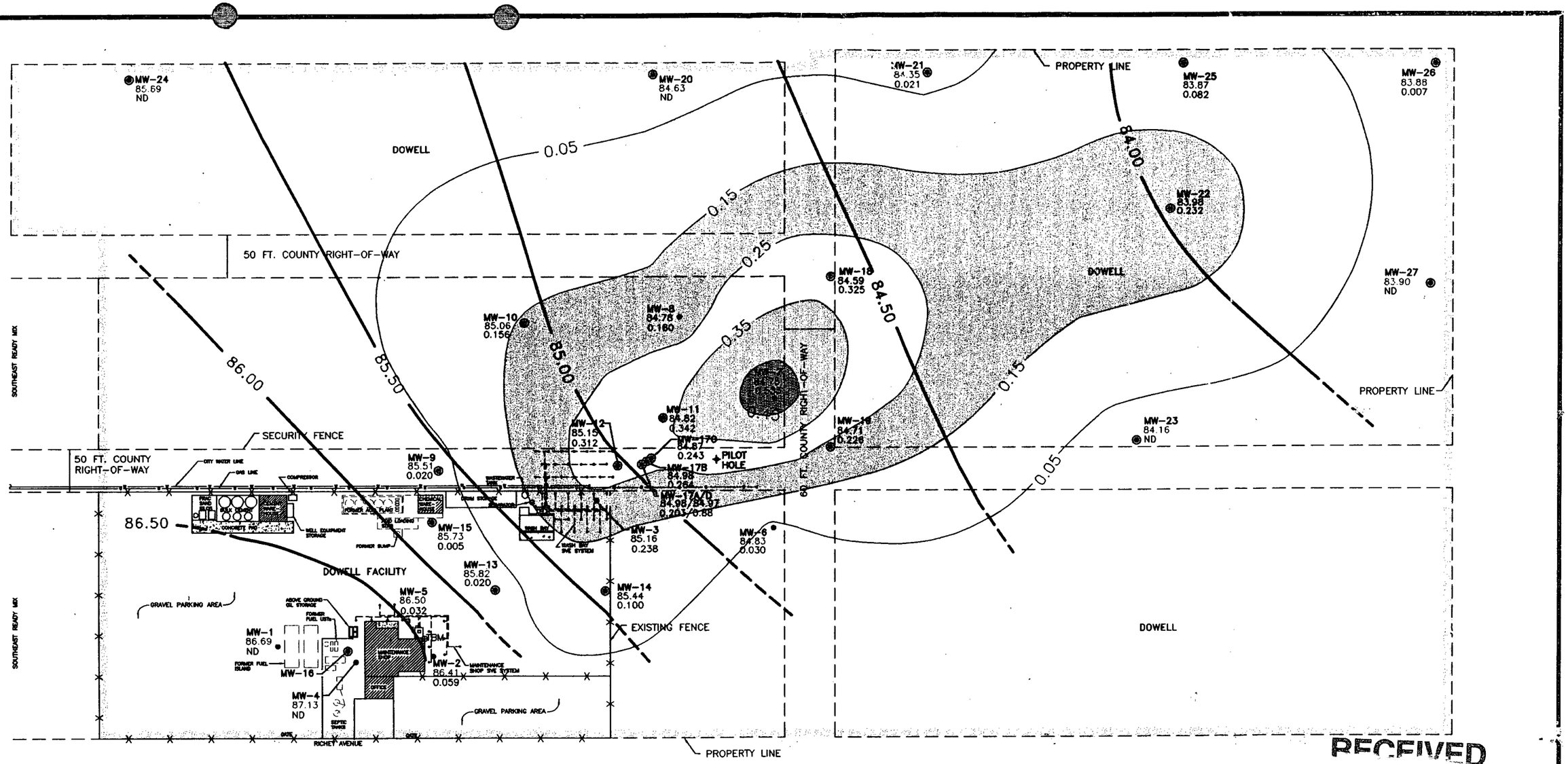
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NOV 24 1997
Environmental Bureau
Oil Conservation Division

POTENTIOMETRIC SURFACE AND TOTAL HALOCARBONS (07/30/97)

DOWELL, A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering
Engineering Environmental Mining Water Resources

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EXPLANATION

- MW-12 / 85.65 / 0.19 — WWC MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)
- MW-6 / 85.22 / 0.70 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION; GROUND-WATER ELEVATION; TOTAL HALOCARBONS (mg/L)
- TBM — TEMPORARY BENCH MARK
- AIR PIPING
- SVE EXTRACTION WELL

TOTAL HALOCARBON CONCENTRATIONS (mg/L)

- 0.45
- 0.35
- 0.25
- 0.15
- 0.05

-83.00- POTENTIOMETRIC SURFACE CONTOUR (DASHED WHERE INFERRED)

0 120 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

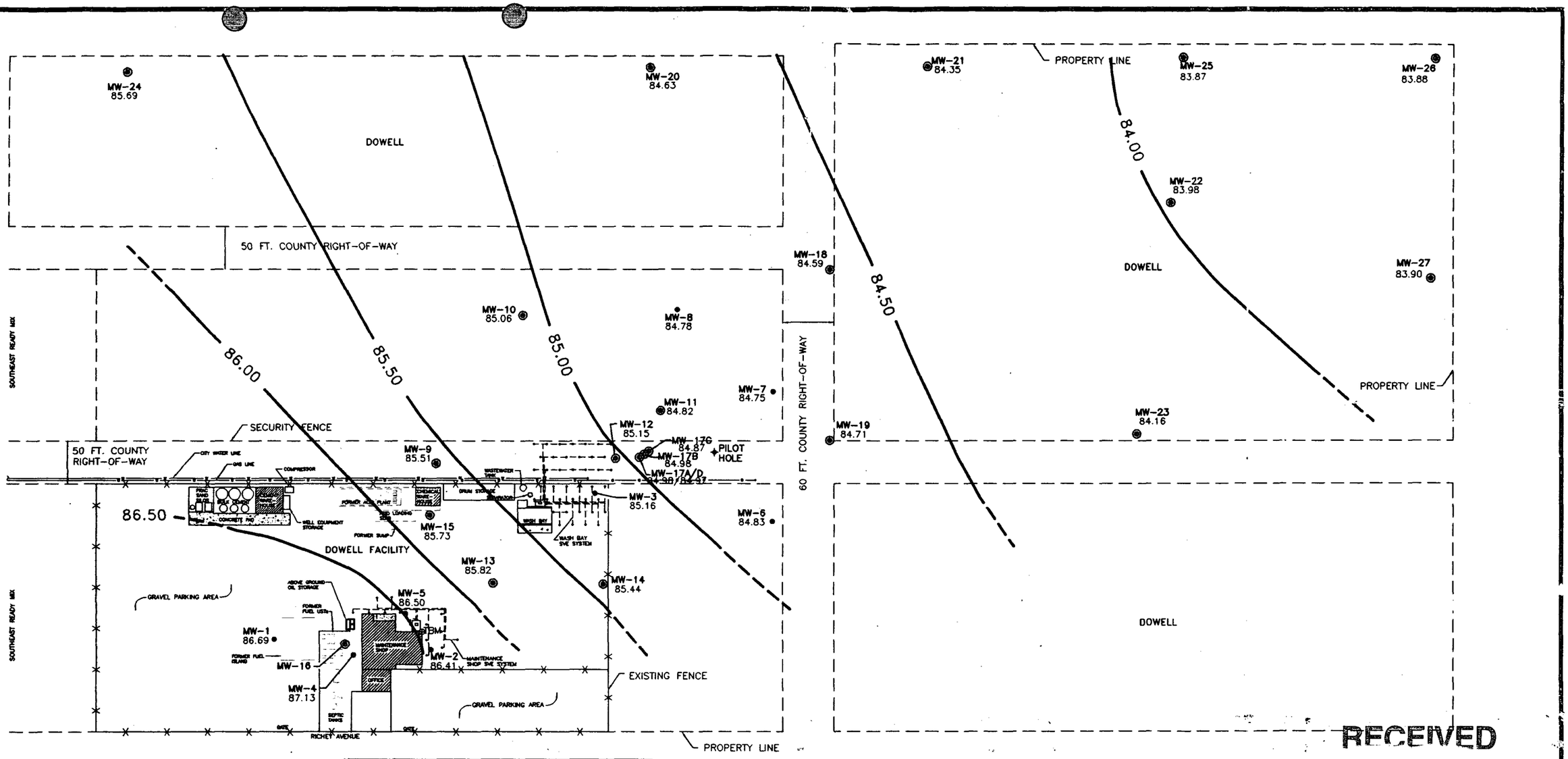
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Oil Conservation Division

POTENTIOMETRIC SURFACE AND TOTAL HALOCARBONS (07/30/97)

DOWELL, A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering
Engineering Environmental Mining Water Resources

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EXPLANATION

- MW-12 / 85.15 — WWC MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- MW-6 / 83.88 — REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION / GROUND-WATER ELEVATION
- TBM — TEMPORARY BENCH MARK
- 85.0 — POTENTIOMETRIC SURFACE CONTOUR
- AIR PIPING
- SVE EXTRACTION WELL

0 120 FT.

SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

RECEIVED
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Oil Conservation Division

FIGURE 1

SITE MAP WITH
POTENTIOMETRIC SURFACE
(7/29/97)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
ARTESIA, NEW MEXICO

Western Water Consultants, Inc. WWC Engineering

Engineering Environmental Mining Water Resources

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
	04/08/97				12.97	87.59	0.27
	07/29/97				13.87	86.69	-0.90
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
	04/08/97				12.21	87.35	0.20
	07/29/97				13.15	86.41	-0.94
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94				NM	NM	NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
	04/08/97				12.43	85.90	-0.01
	07/29/97				13.18	85.15	-0.75
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25
	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80
	01/21/97				15.37	87.81	0.91
	04/08/97				15.14	88.04	0.23
	07/29/97				16.05	87.13	-0.91

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33
	03/16/93				13.47	86.40	0.72
	01/09/94	-			14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
	04/08/97				12.52	87.35	0.17
	07/29/97				13.37	86.50	-0.85
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
	04/08/97				15.30	85.54	-0.09
	07/29/97				16.01	84.83	-0.71
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
	04/08/97				14.91	85.32	-0.10
	07/29/97				15.48	84.75	-0.57
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20
	04/19/94				17.05	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30
	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-8 Cont.	04/08/97				16.11	85.36	-0.06
	07/29/97				16.69	84.78	-0.58
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12
	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20
	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
	04/08/97				16.04	86.14	0.08
	07/29/97				16.67	85.51	-0.63
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
	04/08/97				15.70	85.64	0.03
	07/29/97				16.28	85.06	-0.58
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69
	01/21/97				15.15	85.45	0.37
	04/08/97				15.19	85.41	-0.04
	07/29/97				15.78	84.82	-0.59
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03
	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-12 Cont.	01/21/97				15.04	85.65	0.44
	04/08/97				15.10	85.59	-0.06
	07/29/97				15.73	84.96	-0.63
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30
	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
	04/08/97				12.48	86.77	0.22
	07/29/97				13.43	85.82	-0.95
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
	04/08/97				12.44	86.30	0.03
	07/29/97				13.30	85.44	-0.86
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
**	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08
	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
	04/08/97				13.53	86.52	0.11
	07/29/97				14.32	85.73	-0.79
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03
	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
	04/08/97				15.64	85.65	-0.04
	07/29/97				16.32	84.97	-0.68
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-17A Cont.	01/21/97				14.88	85.69	0.42
	04/08/97				14.92	85.65	-0.04
	07/29/97				15.59	84.98	-0.67
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
	04/08/97				15.67	85.61	-0.03
	07/29/97				16.30	84.98	-0.63
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17
	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
	04/08/97				15.80	85.53	-0.05
	07/29/97				16.46	84.87	-0.66
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
	04/08/97				13.66	85.06	-0.12
	07/29/97				14.13	84.59	-0.47
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
	04/08/97				13.76	85.32	-0.07
	07/29/97				14.37	84.71	-0.61
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
	04/08/97				16.04	85.05	0.04
	07/29/97				16.46	84.63	-0.42
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10
	04/08/97			98.89	14.41	84.48	-0.14
	07/29/97				14.54	84.35	-0.13
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
	04/08/97			97.14	13.42	83.72	-0.50
	07/29/97				13.16	83.98	0.26
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
	04/08/97			97.30	13.07	84.23	-0.51
	07/29/97				13.14	84.16	-0.07
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35
	04/08/97			103.41	17.40	86.01	0.15
	07/29/97				17.72	85.69	-0.32
MW-25	04/08/97	25.00	Protective Casing	97.64	14.23	83.41	-
	07/29/97				13.77	83.87	0.46
MW-26	04/08/97	25.00	Protective Casing	96.11	13.06	83.05	-

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

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-26 Cont.	07/29/97				12.23	83.88	0.83
MW-27	04/08/97	25.00	Protective Casing	96.17	13.06	83.11	-
	07/29/97				12.21	83.96	0.85

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet. Benchmark is located on the concrete right up against the east shop wall, at the northeast corner of the shop.

** = water level measurement may be in error

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.035	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	0.064	0.0037J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.002	0.0005J	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	0.006	0.002	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	0.018	0.004	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
MW-2	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.110
dup.	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.150
•	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079
	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048
dup.	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033
•	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0023J	0.088
dup. •	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0026J	0.097
•	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260
•	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140
#	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.081
	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024
	04/09/97	0.015	0.029	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.007	0.034
	07/30/97	0.010	0.045	ND(0.002)	ND(0.004)	0.00188J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	0.050
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	ND(0.2)
	11/22/91	0.110	0.880	0.530	6.800	0.094	0.004	0.190	0.110	0.002*	0.150	0.057
	03/16/93	ND(0.001)	1.000	0.650	8.600	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	ND(0.001)	ND(0.001)
dup.	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.260	ND(0.001)	0.037	0.330
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	ND(0.05)
	01/10/94	0.140	1.000	0.700	11.000	0.190	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	ND(0.1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-3 Cont. *	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011
	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.130	0.21J
dup.	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.100	0.024J
	01/25/95	ND(1)	0.81J	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	ND(0.025)	ND(0.025)	0.150	ND(0.025)
dup.	04/03/95	0.047	0.450	ND(0.025)	1.200	0.100	ND(0.025)	0.120	ND(0.025)	ND(0.025)	0.150	ND(0.025)
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.089	ND(0.05)	ND(0.05)	0.081	ND(0.05)
*	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.066	0.049J	ND(0.05)	0.089	0.042J
*	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	ND(0.05)	ND(0.05)	0.100	ND(0.05)
*	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	ND(0.005)	0.054	0.014
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	ND(0.010)	ND(0.010)	0.070	0.007J
	04/09/97	0.034	0.137	ND(0.010)	0.146	0.065	ND(0.010)	0.064	ND(0.010)	ND(0.010)	0.107	0.013
	07/30/97	0.019	0.177	ND(0.010)	0.644	0.057	ND(0.010)	0.043	ND(0.010)	ND(0.010)	0.103	0.035
MW-4	01/26/91	0.098	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	0.140	0.260	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	0.069	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)
*	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
*	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup. *	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.010
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018
	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
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026
	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025
dup.	07/20/94	0.320	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049
	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-5 Cont. *	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020
	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019
	04/09/97	0.040	0.040	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.028
	07/30/97	0.018	0.044	ND(0.002)	ND(0.004)	0.00168J	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	0.029
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170	0.007	ND(0.001)	ND(0.001)	0.083
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084	ND(0.001)	ND(0.001)	ND(0.001)	0.043
	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
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098	0.001	ND(0.001)	ND(0.001)	0.056
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140	0.002	ND(0.001)	ND(0.001)	0.120
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070	0.002J	ND(0.005)	ND(0.005)	0.072
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065
dup.	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110	0.001J	ND(0.005)	ND(0.005)	0.073
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079	ND(0.005)	ND(0.005)	ND(0.005)	0.059
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074	ND(0.005)	ND(0.005)	ND(0.005)	0.048
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060	ND(0.005)	ND(0.005)	ND(0.005)	0.030
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	0.029
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047	ND(0.005)	ND(0.005)	ND(0.005)	0.021
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041	ND(0.005)	ND(0.005)	ND(0.005)	0.016
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	0.006
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.025	ND(0.002)	ND(0.002)	ND(0.002)	0.009
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.016	ND(0.002)	ND(0.002)	ND(0.002)	0.008
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260	0.010	ND(0.001)	0.068	0.200
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320	0.005	ND(0.001)	0.069	0.270
dup.	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310	0.006	ND(0.001)	0.069	0.280
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.360	ND(0.005)	ND(0.001)	0.053	0.310
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280	0.002	ND(0.001)	0.050	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210	0.004	ND(0.001)	0.046	0.160
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120	0.003J	ND(0.005)	0.038	0.120
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220	0.003J	ND(0.005)	0.040	0.160
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	ND(0.005)	0.050	0.240
dup.	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200	ND(0.025)	ND(0.025)	0.045	0.230
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210	0.002J	ND(0.005)	0.041	0.330
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290	ND(0.005)	ND(0.005)	0.038	0.260
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300	ND(0.005)	ND(0.005)	0.051	0.250
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300	0.0022J	ND(0.005)	0.045	0.300
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260	ND(0.005)	ND(0.005)	0.035	0.250
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.370	ND(0.005)	ND(0.005)	0.030	0.260
	07/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.280	ND(0.005)	ND(0.005)	0.026	0.220
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.028	ND(0.010)	0.350	ND(0.010)	ND(0.010)	0.023	0.260
	01/24/97	0.005	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.0006J	0.244	0.002	ND(0.001)	0.019	0.203
	04/09/97	0.005	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.186	ND(0.002)	ND(0.002)	0.017	0.148
	07/30/97	0.0045J	ND(0.010)	ND(0.010)	ND(0.020)	0.023	ND(0.010)	0.238	ND(0.010)	ND(0.010)	0.019	0.255
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-8 Cont.	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.050
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.020	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.008
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.010
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.089	0.005	ND(0l005)	0.006	0.011
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.010	0.019
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.074	ND(0.005)	ND(0.005)	0.008	0.017
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.023	0.053
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.081	0.0024J	ND(0.005)	0.015	0.044
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.006	0.019
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.011	0.036
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.010	0.035
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.035	0.089
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.030	0.072
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.019	0.0006J	0.081	0.002	ND(0.001)	0.017	0.018
dup.	01/24/97	0.0007J	ND(0.001)	ND(0.001)	ND(0.002)	0.017	0.0005J	0.088	0.002	ND(0.001)	0.014	0.017
	04/09/97	0.00094J	ND(0.002)	ND(0.002)	ND(0.004)	0.015	ND(0.002)	0.097	ND(0.002)	ND(0.002)	0.019	0.028
	07/30/97	0.00084J	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.105	ND(0.002)	ND(0.002)	0.015	0.048
dup.	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	ND(0.002)	0.106	0.0018J	ND(0.002)	0.015	0.055
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	11/22/91	0.004	0.170	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	10/18/95	ND(0.005)	0.016	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
•	01/10/96	ND(0.005)	0.032	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
#	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0007J	0.0004J	ND(0.001)	ND(0.002)	0.019	0.0004J	0.002	ND(0.001)	ND(0.001)	0.002	0.0009J
	04/09/97	0.00051J	ND(0.001)	ND(0.001)	ND(0.002)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	0.00098J
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.00122J	ND(0.002)	ND(0.002)	0.00122J	ND(0.002)
MW-10	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)
	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)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-10 Cont.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.007	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.130	0.006	ND(0.005)	ND(0.005)	ND(0.005)
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.250	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.0009J	ND(0.001)	0.181	0.005	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.00094J	ND(0.002)	0.158	0.004	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	0.156	0.0036J	ND(0.005)	ND(0.005)	ND(0.005)
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	0.017	ND(0.001)	0.120	0.330
•	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.390	0.018	ND(0.001)	0.110	0.320
•	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	0.004	ND(0.001)	0.074	0.160
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.170	0.006	ND(0.005)	0.079	0.170
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	0.01J	ND(0.025)	0.120	0.360
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.220	ND(0.005)	ND(0.005)	0.110	0.300
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	0.014	ND(0.005)	0.120	0.360
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	0.013	ND(0.005)	0.100	0.430
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	0.014	ND(0.005)	0.083	0.330
dup	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	0.015	ND(0.005)	0.071	0.340
•	10/18/95	0.0048J	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	0.010	ND(0.005)	0.057	0.330
•	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	0.011	ND(0.005)	0.043	0.310
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	0.008	ND(0.005)	0.036	0.260
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	0.0007J	0.157	0.008	ND(0.001)	0.026	0.212
	04/09/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.128	0.008	ND(0.002)	0.027	0.180
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.032	ND(0.005)	0.102	0.006	ND(0.005)	0.032	0.170
MW-12	01/26/91	0.260	0.950	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	ND(0.001)	0.200	0.061
•	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	ND(0.001)	0.260	0.051
•	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.01)	0.075	0.053	ND(0.01)	0.070	0.024
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002J	0.064	0.065	ND(0.005)	0.073	0.033
•	07/20/94	0.160	0.720	0.071	0.810	0.150	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.120	0.015J
•	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	ND(0.005)	0.076	0.069
dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	ND(0.005)	0.062	0.053
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	ND(0.005)	0.043	0.056
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	ND(0.025)	0.098	0.059
•	10/18/95	0.140	0.990	0.360	2.030	0.170	ND(0.005)	0.100	0.100	ND(0.005)	0.058	0.050
	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	ND(0.005)	0.060	0.048
•	04/13/96	0.096	0.620	0.180	0.690	0.150	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	ND(0.005)	0.045	0.046
	10/22/96	ND(0.1)	0.830	0.190	1.800	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-12 Cont.	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	ND(0.010)	0.037	0.039
	04/09/97	0.086	0.920	0.138	1.869	0.159	ND(0.020)	0.040	0.051	ND(0.020)	0.046	0.039
dup.	04/09/97	0.079	0.855	0.129	1.837	0.159	ND(0.010)	0.040	0.054	ND(0.010)	0.047	0.039
	07/30/97	0.090	0.969	0.127	2.294	0.136	ND(0.020)	0.035	0.062	ND(0.020)	0.036	0.043
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	ND(0.001)	0.004	0.240
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.110
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.040
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025
	10/18/95	0.0031J	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.013
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.006	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.005	0.0004J	0.0004J	ND(0.001)	ND(0.001)	0.003	0.003
	04/09/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.00044J	ND(0.001)	ND(0.001)	0.005	0.005
dup.	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.0005J	ND(0.001)	ND(0.001)	0.006	0.005
	07/30/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.009
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.130	0.002	0.300	0.014	0.001	0.002	0.460
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.140	0.002	0.310	0.009	ND(0.001)	0.002	0.400
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.110	0.002	0.320	0.010	ND(0.001)	ND(0.001)	0.440
	03/16/93	0.020	ND(0.001)	ND(0.001)	ND(0.005)	0.080	0.001	0.180	0.004	ND(0.001)	0.002	0.210
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.002	0.300
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.160
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.110	ND(0.025)	ND(0.025)	ND(0.025)	0.210
	10/25/94	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.230
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.070	ND(0.005)	ND(0.005)	ND(0.005)	0.022
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.063	ND(0.005)	0.058	ND(0.005)	ND(0.005)	ND(0.005)	0.130
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.074	ND(0.005)	0.072	ND(0.005)	ND(0.005)	ND(0.005)	0.098
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.044	ND(0.005)	ND(0.005)	ND(0.005)	0.087
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.038	ND(0.005)	ND(0.005)	ND(0.005)	0.061
dup	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.053	ND(0.005)	0.040	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.045	ND(0.005)	ND(0.005)	ND(0.005)	0.057
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.037	ND(0.005)	ND(0.005)	ND(0.005)	0.055
dup.	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.043	ND(0.005)	ND(0.005)	ND(0.005)	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.049	ND(0.005)	ND(0.005)	ND(0.005)	0.062
	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.0005J	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.014
dup.	01/24/97	0.0008J	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.0005J	0.027	ND(0.001)	ND(0.001)	ND(0.001)	0.010
	04/09/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.023	ND(0.005)	ND(0.005)	ND(0.005)	0.024
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.036	ND(0.005)	0.021	ND(0.005)	ND(0.005)	ND(0.005)	0.043
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004
	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

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-15 Cont.	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010	ND(0.001)	ND(0.001)	0.004	0.015
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.0031J	ND(0.005)	ND(0.005)	0.004J	0.0018J
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.0025J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
dup.	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	01/24/97	0.0004J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.0008J	0.001	ND(0.001)	ND(0.001)	0.0003J	0.0003J
	04/09/97	0.00083J	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.00059J	0.002	ND(0.001)	ND(0.001)	0.00073J	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.00068J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-17D	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018	0.012	ND(0.005)	0.019	0.014
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058	0.020	ND(0.005)	0.052	0.028
*	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044	0.015	ND(0.005)	0.047	0.054
*	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036	0.012	ND(0.005)	0.046	0.043
dup. *	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032	0.009	ND(0.005)	0.036	0.039
#	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046	0.009	ND(0.005)	0.049	0.032
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053	0.009	ND(0.005)	0.060	0.037
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041	ND(0.005)	ND(0.0050	0.059	0.033
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.0005J	0.023	0.004	ND(0.001)	0.039	0.022
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.030	ND(0.001)	0.020	0.003	ND(0.001)	0.026	0.022
	07/30/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.029	ND(0.002)	0.013	0.00154J	ND(0.002)	0.028	0.018
MW-17A	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	ND(0.005)	0.025	0.066
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	ND(0.005)	0.037	0.064
*	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	ND(0.005)	0.041	0.090
dup. *	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	ND(0.005)	0.042	0.066
*	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	ND(0.005)	0.042	0.076
*	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	ND(0.005)	0.043	0.065
#	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	ND(0.005)	0.051	0.077
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	ND(0.005)	0.050	0.054
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.0007J	0.058	ND(0.001)	0.044	0.007	ND(0.001)	0.045	0.049
	04/09/97	0.007	ND(0.001)	ND(0.001)	ND(0.002)	0.065	0.00092J	0.051	0.008	ND(0.001)	0.051	0.051
	07/30/97	0.00435J	ND(0.005)	ND(0.005)	ND(0.010)	0.051	ND(0.005)	0.045	0.0038J	ND(0.005)	0.045	0.062
MW-17B	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	ND(0.005)	0.180
	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	ND(0.005)	0.026	0.180
dup.	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	ND(0.005)	0.030	0.320
*	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	ND(0.005)	0.034	0.370
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	ND(0.005)	0.022	0.190
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	ND(0.005)	0.013	0.270
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.016	0.250
dup.	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	ND(0.005)	0.016	0.280

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-17B Cont.	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	ND(0.01)	0.030	0.250
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	ND(0.001)	0.019	0.070
	04/09/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.035	0.00098J	0.115	0.005	ND(0.002)	0.021	0.132
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.026	ND(0.005)	0.080	0.0035J	ND(0.005)	0.017	0.141
MW-17C *	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	ND(0.005)	0.091	0.013
2nd *	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.095	0.017
*	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	ND(0.005)	0.120	0.012
*	10/18/95	0.019	0.028	ND(0.005)	ND(0.005)	0.063	0.0031J	0.120	ND(0.005)	ND(0.005)	0.140	0.024
*	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.120	0.015
*	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.100	0.013
#	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.120	0.014
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	ND(0.005)	0.100	0.012
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	ND(0.001)	0.078	0.005
	04/09/97	0.011	ND(0.002)	ND(0.002)	ND(0.004)	0.049	0.002	0.105	ND(0.002)	ND(0.002)	0.100	0.008
	07/30/97	0.010	ND(0.005)	ND(0.005)	ND(0.010)	0.043	0.00225J	0.093	ND(0.005)	ND(0.005)	0.097	0.010
MW-18	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.034	0.071
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.039	0.087
	10/18/95	0.0033J	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.042	0.130
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.037	0.097
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.034	0.120
dup	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	ND(0.005)	0.043	0.110
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.043	0.120
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	ND(0.005)	0.042	0.120
	01/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.0006J	0.180	0.002	ND(0.001)	0.047	0.097
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.022	0.00069J	0.155	0.002	ND(0.001)	0.044	0.116
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.140	0.0011J	ND(0.002)	0.044	0.121
MW-19	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	ND(0.005)	0.140
	10/18/95	0.0024J	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.0038J	0.150
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.100
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.150	ND(0.005)	ND(0.005)	ND(0.005)	0.110
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	ND(0.005)	0.094
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.0006J	ND(0.001)	0.003	0.093
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.116	0.00069J	ND(0.001)	0.004	0.087
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.009	ND(0.002)	0.116	ND(0.002)	ND(0.002)	0.005	0.096
MW-20	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-21	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.006
	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011
	04/09/97	0.00148J	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.005	0.008
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.0014J	ND(0.002)	0.011	ND(0.002)	ND(0.002)	0.003	0.007

TABLE 2. SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUND-WATER SAMPLES, DOWELL, 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)
MW-22	11/20/96	0.014	ND(0.001)	ND(0.001)	ND(0.001)	0.010	ND(0.001)	0.083	ND(0.001)	ND(0.001)	0.012	0.053
	01/24/97	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.085	ND(0.001)	ND(0.001)	0.013	0.050
dup.	01/24/97	0.011	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.099	ND(0.001)	ND(0.001)	0.013	0.065
	04/09/97	0.013	ND(0.001)	ND(0.001)	ND(0.002)	0.014	0.00072J	0.084	ND(0.001)	ND(0.001)	0.021	0.080
	07/30/97	0.014	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.092	ND(0.002)	ND(0.002)	0.024	0.104
MW-23	11/20/96	ND(0.001)	ND(0.001)	0.0008J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-24	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
MW-25	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030
	04/09/97	0.015	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00085J	0.035	ND(0.001)	ND(0.001)	0.006	0.020
duplicate	04/09/97	0.014	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.00078J	0.034	ND(0.001)	ND(0.001)	0.005	0.019
	07/30/97	0.023	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.00118J	0.031	ND(0.002)	ND(0.002)	0.005	0.035
MW-26	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
duplicate	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.002
MW-27	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

Analytical method used prior to 10/95 = EPA Method 8240
Analytical method used during and after 10/95 = EPA Method 8260

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

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

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	7.00
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.40
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	3.00
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)	1.90
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20	NA
	10/18/95	ND(0.2)	2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00	ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50	ND(2)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20	1.80
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50	ND(1)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60	ND(1)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90	ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10	2.50
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80	ND(10)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90	ND(10)
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00	ND(1)
	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07	ND(0.04)
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68	ND(0.2)
	10/18/95	ND(0.2)	2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80	NA
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
MS-COMP	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60J	NA
WB-1	02/10/94	ND(1)	3.57	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)	ND(2)
	02/16/94	ND(1)	1.20	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50	9.10
	02/23/94	ND(0.5)	2.20	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.60	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.60	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60	4.10
	03/18/94	ND(0.5)	14.60	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)	21.30
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	4.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)	1.20
	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-1 Cont.	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00	ND(1)
	07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	ND(0.001)	0.19	0.14	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04	NA
	01/25/95	ND(0.04)	0.16	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28	ND(0.2)
WB-2	02/10/94	1.67	5.03	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3.00	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50	6.70
	02/23/94	1.40	9.30	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.30	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.40	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)	26.70
	03/18/94	0.70	4.80	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	18.70
	03/28/94	ND(0.5)	1.90	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.10	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	4.10	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	1.60
	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	1.28
*	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23	NA
	01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
WB-3	02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	ND(2)
	02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60	1.40
	03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)	3.80
	03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)	46.40
	03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)	13.30
	05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)	ND(1)
*	08/10/94	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	NA
	01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37	ND(0.04)
	05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)
WB-N1	05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	ND(0.2)

TABLE 3. SUMMARY OF LABORATORY ANALYTICAL - SVE SOIL VAPOR SAMPLES, MAINTENANCE SHOP AND WASH BAY SVE SYSTEMS, DOWELL, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	2-UTANONE (mg/m3)
WB-N2	05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	ND(0.2)
WB-N3	05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	ND(0.2)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38	ND(0.2)
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	NA
	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23	ND(0.2)
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	3.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	10.07	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.
During and after January 1995, the laboratory analytical method used was EPA Method 8260.
See laboratory reports for concentrations of additional analytes.
In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:
mg/m3 = milligrams per cubic meter
* = units reported as "ppm" or "mg/L". Detection limit may be incorrect.
J = chemical present above instrument detection limit but below method detection limit
NA = not analyzed
MS = Maintenance Shop SVE system
WB = Wash Bay SVE system
WB-N1 = north subzone of Wash Bay Zone 1
WB-N2 = north subzone of Wash Bay Zone 2
WB-N3 = north subzone of Wash Bay Zone 3
WB-COMP = composite sample from Wash Bay zones 1, 2, and 3
MS-COMP = composite sample from Maintenance Shop zones 1 and 2

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

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-1.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42001	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	1,1 - Dichloroethene	ND	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	1.1 - Dichloroethane	ND	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2.2 - Dichloropropane	ND	2.0
71-55-6	1.1.1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1.1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**17.7**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1.2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	Tetrachloroethene	ND	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	**Ethylbenzene**	**4.24**	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-1.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42001	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1004450	1040689	96.5%	50 - 200 %
Fluorobenzene	1730084	1904896	90.8%	50 - 200 %
1,4 - Difluorobenzene	1722983	1795782	95.9%	50 - 200 %
Chlorobenzene - d5	1255380	1334623	94.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	515524	580465	88.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.77	87.7%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.39	93.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.81	98.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_42001.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-2.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42002	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	1,1 - Dichloroethene	ND		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**1.88**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**10.1**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**9.06**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**49.7**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	**Ethylbenzene**	**44.8**		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-2.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42002	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**5.90**	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	**n - Propylbenzene**	**9.16**	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	**sec - Butylbenzene**	**9.46**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1102276	1040689	106%	50 - 200 %
Fluorobenzene	2098578	1904896	110%	50 - 200 %
1,4 - Difluorobenzene	1911419	1795782	106%	50 - 200 %
Chlorobenzene - d5	1455471	1334623	109%	50 - 200 %
1,4 - Dichlorobenzene - d4	636278	580465	110%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.30	93.0%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-3.7/97 MW-3	Date Sampled:	07/30/97
Laboratory ID:	C97-42003	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	10	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	10.0
74-87-3	Chloromethane	ND	10.0
75-01-4	Vinyl chloride (Chloroethene)	ND	10.0
74-83-9	Bromomethane	ND	10.0
75-00-3	Chloroethane	ND	10.0
75-69-4	Trichlorofluoromethane	ND	10.0
75-35-4	**1,1 - Dichloroethene**	**43.3**	10.0
75-09-2	Methylene chloride (Dichloromethane)	ND	10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	10.0
75-34-3	**1,1 - Dichloroethane**	**56.9**	10.0
78-93-3	2 -Butanone (MEK)	ND	100
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	ND	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	ND	10.0
107-06-2	1,2 - Dichloroethane	ND	10.0
563-58-6	1,1 - Dichloropropene	ND	10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	10.0
71-43-2	**Benzene**	**18.6**	10.0
74-95-3	Dibromomethane	ND	10.0
78-87-5	1,2 - Dichloropropane	ND	10.0
79-01-6	**Trichloroethene**	**103**	10.0
75-27-4	Bromodichloromethane	ND	10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	10.0
79-00-5	1,1,2 - Trichloroethane	ND	10.0
108-88-3	Toluene	ND	10.0
106-93-4	1,2 - Dibromoethane	ND	10.0
142-28-9	1,3 - Dichloropropane	ND	10.0
124-48-1	Dibromochloromethane	ND	10.0
127-18-4	**Tetrachloroethene**	**34.5**	10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	10.0
108-90-7	Chlorobenzene	ND	10.0
100-41-4	**Ethylbenzene**	**177**	10.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**299**	20.0
75-25-2	Bromoform (Tribromomethane)	ND	10.0
100-42-5	Styrene (Ethenylbenzene)	ND	10.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**345**	10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	10.0
96-18-4	1,2,3 - Trichloropropane	ND	10.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-3.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42003	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**200**	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	**n - Propylbenzene**	**230**	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	**1,3,5 - Trimethylbenzene**	**932**	10.0
98-06-6	**tert - Butylbenzene**	**143**	10.0
95-63-6	**1,2,4 - Trimethylbenzene**	**1,090**	10.0
135-98-8	**sec - Butylbenzene**	**53.6**	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	**4-Isopropyltoluene**	**65.8**	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	**n - Butylbenzene**	**82.3**	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	**Naphthalene**	**165**	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1105595	1040689	106%	50 - 200 %
Fluorobenzene	2107108	1904896	111%	50 - 200 %
1,4 - Difluorobenzene	1928405	1795782	107%	50 - 200 %
Chlorobenzene - d5	1451696	1334623	109%	50 - 200 %
1,4 - Dichlorobenzene - d4	620060	580465	107%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.40	94.0%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.0	100%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-4.7/97 MW-4
Laboratory ID: C97-42004
Matrix: Water
Dilution Factor: 1

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-4.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42004	Date Reported:	August 19, 1997

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	943592	1040689	90.7%	50 - 200 %
Fluorobenzene	1948761	1904896	102%	50 - 200 %
1,4 - Difluorobenzene	1760553	1795782	98.0%	50 - 200 %
Chlorobenzene - d5	1340473	1334623	100%	50 - 200 %
1,4 - Dichlorobenzene - d4	573651	580465	98.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.4	104%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-5.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42005	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

MW-5

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	1,1 - Dichloroethene	ND		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**1.68**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**18.2**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**3.40**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**28.9**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	**Ethylbenzene**	**43.7**		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-5.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42005	Date Reported:	August 19, 1997

C.A.S. #	*TARGET COMPOUNDS*	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**6.72**	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	**n - Propylbenzene**	**12.8**	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	**sec - Butylbenzene**	**5.50**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1145375	1040689	110%	50 - 200 %
Fluorobenzene	2144288	1904896	113%	50 - 200 %
1,4 - Difluorobenzene	1989411	1795782	111%	50 - 200 %
Chlorobenzene - d5	1468473	1334623	110%	50 - 200 %
1,4 - Dichlorobenzene - d4	633111	580465	109%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.19	91.9%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.93	99.3%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-6.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42006	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

MW-6

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**16.4**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**6.06**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	Benzene	ND	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	Trichloroethene	ND	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**8.34**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-6.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42006	Date Reported:	August 19, 1997

MW-6

C.A.S. #	**TARGET COMPOUNDS**	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1202703	1040689	116%	50 - 200 %
Fluorobenzene	2200654	1904896	116%	50 - 200 %
1,4 - Difluorobenzene	2073893	1795782	115%	50 - 200 %
Chlorobenzene - d5	1499232	1334623	112%	50 - 200 %
1,4 - Dichlorobenzene - d4	646354	580465	111%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.12	91.2%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.77	97.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-7.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42007	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	10	Date Reported:	August 19, 1997

mw-7

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		10.0
74-87-3	Chloromethane	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	ND		10.0
74-83-9	Bromomethane	ND		10.0
75-00-3	Chloroethane	ND		10.0
75-69-4	Trichlorofluoromethane	ND		10.0
75-35-4	**1,1 - Dichloroethene**	**236**		10.0
75-09-2	Methylene chloride (Dichloromethane)	ND		10.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		10.0
75-34-3	**1,1 - Dichloroethane**	**22.7**		10.0
78-93-3	2 -Butanone (MEK)	ND		100
156-59-2	cis - 1,2 - Dichloroethene	ND		10.0
74-97-5	Bromochloromethane	ND		10.0
67-66-3	Chloroform (Trichloromethane)	ND		10.0
594-20-7	2,2 - Dichloropropane	ND		10.0
71-55-6	1,1,1 - Trichloroethane	ND		10.0
107-06-2	1,2 - Dichloroethane	ND		10.0
563-58-6	1,1 - Dichloropropene	ND		10.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		10.0
71-43-2	**Benzene**	**4.50**	J	10.0
74-95-3	Dibromomethane	ND		10.0
78-87-5	1,2 - Dichloropropane	ND		10.0
79-01-6	**Trichloroethene**	**19.2**		10.0
75-27-4	Bromodichloromethane	ND		10.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		10.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		10.0
79-00-5	1,1,2 - Trichloroethane	ND		10.0
108-88-3	Toluene	ND		10.0
106-93-4	1,2 - Dibromoethane	ND		10.0
142-28-9	1,3 - Dichloropropane	ND		10.0
124-48-1	Dibromochloromethane	ND		10.0
127-18-4	**Tetrachloroethene**	**255**		10.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		10.0
108-90-7	Chlorobenzene	ND		10.0
100-41-4	Ethylbenzene	ND		10.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		20.0
75-25-2	Bromoform (Tribromomethane)	ND		10.0
100-42-5	Styrene (Ethenylbenzene)	ND		10.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		10.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		10.0
96-18-4	1,2,3 - Trichloropropane	ND		10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-7.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42007	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	10.0
108-86-1	Bromobenzene	ND	10.0
103-65-1	n - Propylbenzene	ND	10.0
95-49-8	2 - Chlorotoluene	ND	10.0
106-43-4	4 - Chlorotoluene	ND	10.0
108-67-8	1,3,5 - Trimethylbenzene	ND	10.0
98-06-6	tert - Butylbenzene	ND	10.0
95-63-6	1,2,4 - Trimethylbenzene	ND	10.0
135-98-8	sec - Butylbenzene	ND	10.0
541-73-1	1,3 - Dichlorobenzene	ND	10.0
106-46-7	1,4 - Dichlorobenzene	ND	10.0
99-87-6	4-Isopropyltoluene	ND	10.0
95-50-1	1,2 - Dichlorobenzene	ND	10.0
104-51-8	n - Butylbenzene	ND	10.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	50.0
120-82-1	1,2,4 - Trichlorobenzene	ND	10.0
91-20-3	Naphthalene	ND	10.0
87-68-3	Hexachlorobutadiene	ND	10.0
87-61-6	1,2 3 - Trichlorobenzene	ND	10.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1170023	1040689	112%	50 - 200 %
Fluorobenzene	2117218	1904896	111%	50 - 200 %
1,4 - Difluorobenzene	2007818	1795782	112%	50 - 200 %
Chlorobenzene - d5	1433770	1334623	107%	50 - 200 %
1,4 - Dichlorobenzene - d4	612987	580465	106%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.93	89.3%	86 - 118 %
Toluene - d8	9.99	99.9%	88 - 110 %
4 - Bromofluorobenzene	9.66	96.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.94	99.4%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_42001.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-8.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42008	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**105**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**11.5**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**0.84**	J	2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**15.1**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**48.4**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-8.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42008	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1147433	1040689	110%	50 - 200 %
Fluorobenzene	2052213	1904896	108%	50 - 200 %
1,4 - Difluorobenzene	1977300	1795782	110%	50 - 200 %
Chlorobenzene - d5	1421352	1334623	106%	50 - 200 %
1,4 - Dichlorobenzene - d4	602090	580465	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.01	90.1%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.52	95.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-B 7/97 Duplicate of MW-8
Laboratory ID: C97-42030
Matrix: Water
Dilution Factor: 2

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**106**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**11.2**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2.2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**1.80**	J	2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	Benzene	ND		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**15.4**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**54.8**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** Date Sampled: 07/30/97
Sample ID: 90125-B.7/97 Date Analyzed: 08/04/97
Laboratory ID: C97-42030 Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	946032	1040689	90.9%	50 - 200 %
Fluorobenzene	1687706	1904896	88.6%	50 - 200 %
1,4 - Difluorobenzene	1652302	1795782	92.0%	50 - 200 %
Chlorobenzene - d5	1211733	1334623	90.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	485984	580465	83.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.83	88.3%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.32	93.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.84	98.4%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-9.7/97 MW-9
Laboratory ID: C97-42009
Matrix: Water
Dilution Factor: 2

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**1.22**	**J**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**19.7**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	Benzene	ND		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**1.22**	**J**	2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	Tetrachloroethene	ND		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-9.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42009	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	**sec - Butylbenzene**	**4.16**	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1145374	1040689	110%	50 - 200 %
Fluorobenzene	2060158	1904896	108%	50 - 200 %
1,4 - Difluorobenzene	1953948	1795782	109%	50 - 200 %
Chlorobenzene - d5	1407220	1334623	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	604623	580465	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.19	91.9%	86 - 118 %
Toluene - d8	9.94	99.4%	88 - 110 %
4 - Bromofluorobenzene	9.72	97.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.89	98.9%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-10.7/97 MW-10
Laboratory ID: C97-42010
Matrix: Water
Dilution Factor: 5

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		5.0
74-87-3	Chloromethane	ND		5.0
75-01-4	Vinyl chloride (Chloroethene)	ND		5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	Chloroethane	ND		5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	**1,1 - Dichloroethene**	**156**		5.0
75-09-2	Methylene chloride (Dichloromethane)	ND		5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		5.0
75-34-3	1,1 - Dichloroethane	ND		5.0
78-93-3	2 -Butanone (MEK)	ND		50.0
156-59-2	cis - 1,2 - Dichloroethene	ND		5.0
74-97-5	Bromochloromethane	ND		5.0
67-66-3	Chloroform (Trichloromethane)	ND		5.0
594-20-7	2,2 - Dichloropropane	ND		5.0
71-55-6	**1,1,1 - Trichloroethane**	**3.60**	J	5.0
107-06-2	1,2 - Dichloroethane	ND		5.0
563-58-6	1,1 - Dichloropropene	ND		5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		5.0
71-43-2	Benzene	ND		5.0
74-95-3	Dibromomethane	ND		5.0
78-87-5	1,2 - Dichloropropane	ND		5.0
79-01-6	Trichloroethene	ND		5.0
75-27-4	Bromodichloromethane	ND		5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		5.0
79-00-5	1,1,2 - Trichloroethane	ND		5.0
108-88-3	Toluene	ND		5.0
106-93-4	1,2 - Dibromoethane	ND		5.0
142-28-9	1,3 - Dichloropropane	ND		5.0
124-48-1	Dibromochloromethane	ND		5.0
127-18-4	Tetrachloroethene	ND		5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		5.0
108-90-7	Chlorobenzene	ND		5.0
100-41-4	Ethylbenzene	ND		5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		10.0
75-25-2	Bromoform (Tribromomethane)	ND		5.0
100-42-5	Styrene (Ethenylbenzene)	ND		5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		5.0
96-18-4	1,2,3 - Trichloropropane	ND		5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

ELI

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-10.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42010	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1127728	1040689	108%	50 - 200 %
Fluorobenzene	1990942	1904896	105%	50 - 200 %
1,4 - Difluorobenzene	1917324	1795782	107%	50 - 200 %
Chlorobenzene - d5	1358177	1334623	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	555503	580465	95.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.38	93.8%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.31	93.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.69	96.9%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_42001.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-11.7/97 MW-11
Laboratory ID: C97-42011
Matrix: Water
Dilution Factor: 5

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	5.0
74-87-3	Chloromethane	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	5.0
74-83-9	Bromomethane	ND	5.0
75-00-3	Chloroethane	ND	5.0
75-69-4	Trichlorofluoromethane	ND	5.0
75-35-4	**1,1 - Dichloroethene**	**102**	5.0
75-09-2	Methylene chloride (Dichloromethane)	ND	5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.0
75-34-3	**1,1 - Dichloroethane**	**31.6**	5.0
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
67-66-3	Chloroform (Trichloromethane)	ND	5.0
594-20-7	2,2 - Dichloropropane	ND	5.0
71-55-6	**1,1,1 - Trichloroethane**	**6.10**	5.0
107-06-2	1,2 - Dichloroethane	ND	5.0
563-58-6	1,1 - Dichloropropene	ND	5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.0
71-43-2	Benzene	ND	5.0
74-95-3	Dibromomethane	ND	5.0
78-87-5	1,2 - Dichloropropane	ND	5.0
79-01-6	**Trichloroethene**	**31.5**	5.0
75-27-4	Bromodichloromethane	ND	5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.0
79-00-5	1,1,2 - Trichloroethane	ND	5.0
108-88-3	Toluene	ND	5.0
106-93-4	1,2 - Dibromoethane	ND	5.0
142-28-9	1,3 - Dichloropropane	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
127-18-4	**Tetrachloroethene**	**170**	5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
100-41-4	Ethylbenzene	ND	5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.0
100-42-5	Styrene (Ethenylbenzene)	ND	5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	5.0
96-18-4	1,2,3 - Trichloropropane	ND	5.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-11
Sample ID: 90125-11.7/97
Laboratory ID: C97-42011

Date Sampled: 07/30/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1097455	1040689	105%	50 - 200 %
Fluorobenzene	1928488	1904896	101%	50 - 200 %
1,4 - Difluorobenzene	1862779	1795782	104%	50 - 200 %
Chlorobenzene - d5	1321282	1334623	99.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	541167	580465	93.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.33	93.3%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.30	93.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.67	96.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-12.7/97 MW-12	Date Sampled:	07/30/97
Laboratory ID:	C97-42012	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	20	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	20.0
74-87-3	Chloromethane	ND	20.0
75-01-4	Vinyl chloride (Chloroethene)	ND	20.0
74-83-9	Bromomethane	ND	20.0
75-00-3	Chloroethane	ND	20.0
75-69-4	Trichlorofluoromethane	ND	20.0
75-35-4	**1,1 - Dichloroethene**	**35.4**	20.0
75-09-2	Methylene chloride (Dichloromethane)	ND	20.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	20.0
75-34-3	**1,1 - Dichloroethane**	**136**	20.0
78-93-3	2 -Butanone (MEK)	ND	200
156-59-2	cis - 1,2 - Dichloroethene	ND	20.0
74-97-5	Bromochloromethane	ND	20.0
67-66-3	Chloroform (Trichloromethane)	ND	20.0
594-20-7	2,2 - Dichloropropane	ND	20.0
71-55-6	**1,1,1 - Trichloroethane**	**62.4**	20.0
107-06-2	1,2 - Dichloroethane	ND	20.0
563-58-6	1,1 - Dichloropropene	ND	20.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	20.0
71-43-2	**Benzene**	**89.6**	20.0
74-95-3	Dibromomethane	ND	20.0
78-87-5	1,2 - Dichloropropane	ND	20.0
79-01-6	**Trichloroethene**	**35.8**	20.0
75-27-4	Bromodichloromethane	ND	20.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	20.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	20.0
79-00-5	1,1,2 - Trichloroethane	ND	20.0
108-88-3	**Toluene**	**127**	20.0
106-93-4	1,2 - Dibromoethane	ND	20.0
142-28-9	1,3 - Dichloropropane	ND	20.0
124-48-1	Dibromochloromethane	ND	20.0
127-18-4	**Tetrachloroethene**	**42.8**	20.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	20.0
108-90-7	Chlorobenzene	ND	20.0
100-41-4	**Ethylbenzene**	**969**	20.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**654**	40.0
75-25-2	Bromoform (Tribromomethane)	ND	20.0
100-42-5	Styrene (Ethenylbenzene)	ND	20.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**1,640**	20.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	20.0
96-18-4	1,2,3 - Trichloropropane	ND	20.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-12.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42012	Date Reported:	August 19, 1997

MW-12

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**588**		20.0
108-86-1	Bromobenzene	ND		20.0
103-65-1	**n - Propylbenzene**	**1,020**		20.0
95-49-8	2 - Chlorotoluene	ND		20.0
106-43-4	4 - Chlorotoluene	ND		20.0
108-67-8	1,3,5 - Trimethylbenzene	ND		20.0
98-06-6	**tert - Butylbenzene**	**319**		20.0
95-63-6	**1,2,4 - Trimethylbenzene**	**2,360**		20.0
135-98-8	**sec - Butylbenzene**	**28.8**		20.0
541-73-1	1,3 - Dichlorobenzene	ND		20.0
106-46-7	1,4 - Dichlorobenzene	ND		20.0
99-87-6	**4-Isopropyltoluene**	**19.8**	**J**	20.0
95-50-1	1,2 - Dichlorobenzene	ND		20.0
104-51-8	**n - Butylbenzene**	**27.2**		20.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		100
120-82-1	1,2,4 - Trichlorobenzene	ND		20.0
91-20-3	**Naphthalene**	**282**		20.0
87-68-3	Hexachlorobutadiene	ND		20.0
87-61-6	1,2 3 - Trichlorobenzene	ND		20.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1053183	1040689	101%	50 - 200 %
Fluorobenzene	1866161	1904896	98.0%	50 - 200 %
1,4 - Difluorobenzene	1790145	1795782	99.7%	50 - 200 %
Chlorobenzene - d5	1292195	1334623	96.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	545165	580465	93.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.32	93.2%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.37	93.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.77	97.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-13.7/97 MW-13	Date Sampled:	07/30/97
Laboratory ID:	C97-42013	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**3.65**	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	**Benzene**	**1.00**	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	**Trichloroethene**	**6.75**	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**8.77**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-13.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42013	Date Reported:	August 19, 1997

MW-13

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**0.94**	**J**	1.0
108-86-1	Bromobenzene	ND		1.0
103-65-1	n - Propylbenzene	ND		1.0
95-49-8	2 - Chlorotoluene	ND		1.0
106-43-4	4 - Chlorotoluene	ND		1.0
108-67-8	1,3,5 - Trimethylbenzene	ND		1.0
98-06-6	tert - Butylbenzene	ND		1.0
95-63-6	1,2,4 - Trimethylbenzene	ND		1.0
135-98-8	**sec - Butylbenzene**	**3.45**		1.0
541-73-1	1,3 - Dichlorobenzene	ND		1.0
106-46-7	1,4 - Dichlorobenzene	ND		1.0
99-87-6	4-Isopropyltoluene	ND		1.0
95-50-1	1,2 - Dichlorobenzene	ND		1.0
104-51-8	n - Butylbenzene	ND		1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		5.0
120-82-1	1,2,4 - Trichlorobenzene	ND		1.0
91-20-3	Naphthalene	ND		1.0
87-68-3	Hexachlorobutadiene	ND		1.0
87-61-6	1,2 3 - Trichlorobenzene	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1064952	1040689	102%	50 - 200 %
Fluorobenzene	1890441	1904896	99.2%	50 - 200 %
1,4 - Difluorobenzene	1851062	1795782	103%	50 - 200 %
Chlorobenzene - d5	1338389	1334623	100%	50 - 200 %
1,4 - Dichlorobenzene - d4	551115	580465	94.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	8.75	87.5%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	9.43	94.3%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.92	99.2%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-14.7/97 MW-14	Date Sampled:	07/30/97
Laboratory ID:	C97-42014	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	5	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	5.0
74-87-3	Chloromethane	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	5.0
74-83-9	Bromomethane	ND	5.0
75-00-3	Chloroethane	ND	5.0
75-69-4	Trichlorofluoromethane	ND	5.0
75-35-4	**1,1 - Dichloroethene**	**21.2**	5.0
75-09-2	Methylene chloride (Dichloromethane)	ND	5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.0
75-34-3	**1,1 - Dichloroethane**	**35.8**	5.0
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
67-66-3	Chloroform (Trichloromethane)	ND	5.0
594-20-7	2,2 - Dichloropropane	ND	5.0
71-55-6	1,1,1 - Trichloroethane	ND	5.0
107-06-2	1,2 - Dichloroethane	ND	5.0
563-58-6	1,1 - Dichloropropene	ND	5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.0
71-43-2	Benzene	ND	5.0
74-95-3	Dibromomethane	ND	5.0
78-87-5	1,2 - Dichloropropane	ND	5.0
79-01-6	Trichloroethene	ND	5.0
75-27-4	Bromodichloromethane	ND	5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.0
79-00-5	1,1,2 - Trichloroethane	ND	5.0
108-88-3	Toluene	ND	5.0
106-93-4	1,2 - Dibromoethane	ND	5.0
142-28-9	1,3 - Dichloropropane	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
127-18-4	**Tetrachloroethene**	**43.0**	5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
100-41-4	Ethylbenzene	ND	5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.0
100-42-5	Styrene (Ethenylbenzene)	ND	5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	5.0
96-18-4	1,2,3 - Trichloropropane	ND	5.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-14.7/97 MW-14	Date Analyzed:	08/04/97
Laboratory ID:	C97-42014	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1049531	1040689	101%	50 - 200 %
Fluorobenzene	1874843	1904896	98.4%	50 - 200 %
1,4 - Difluorobenzene	1794843	1795782	99.9%	50 - 200 %
Chlorobenzene - d5	1284336	1334623	96.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	518548	580465	89.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.43	94.3%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.22	92.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.71	97.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-13

Client:	Western Water Consultants		
Sample ID:	90125-15.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42015	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	**1,1 - Dichloroethene**	**0.68**	J	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	**1,1 - Dichloroethane**	**4.88**		1.0
78-93-3	2 -Butanone (MEK)	ND		10.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	Tetrachloroethene	ND		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-15.7/97 MW-15	Date Analyzed:	08/04/97
Laboratory ID:	C97-42015	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1112527	1040689	107%	50 - 200 %
Fluorobenzene	1978624	1904896	104%	50 - 200 %
1,4 - Difluorobenzene	1911509	1795782	106%	50 - 200 %
Chlorobenzene - d5	1364903	1334623	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	560567	580465	96.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.45	94.5%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.27	92.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.83	98.3%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Mw-17D

Client:	**Western Water Consultants**		
Sample ID:	90125-17D 7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42019	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**12.8**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**28.6**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**1.54**	J	2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**2.90**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**28.2**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**18.0**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-17D.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42019	Date Reported:	August 19, 1997

MW-17D

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**29.3**		2.0
108-86-1	Bromobenzene	ND		2.0
103-65-1	n - Propylbenzene	ND		2.0
95-49-8	2 - Chlorotoluene	ND		2.0
106-43-4	4 - Chlorotoluene	ND		2.0
108-67-8	1,3,5 - Trimethylbenzene	ND		2.0
98-06-6	tert - Butylbenzene	ND		2.0
95-63-6	**1,2,4 - Trimethylbenzene**	**5.40**		2.0
135-98-8	**sec - Butylbenzene**	**8.66**		2.0
541-73-1	1,3 - Dichlorobenzene	ND		2.0
106-46-7	1,4 - Dichlorobenzene	ND		2.0
99-87-6	**4-Isopropyltoluene**	**1.32**	**J**	2.0
95-50-1	1,2 - Dichlorobenzene	ND		2.0
104-51-8	n - Butylbenzene	ND		2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		10.0
120-82-1	1,2,4 - Trichlorobenzene	ND		2.0
91-20-3	**Naphthalene**	**1.06**	**J**	2.0
87-68-3	Hexachlorobutadiene	ND		2.0
87-61-6	1,2 3 - Trichlorobenzene	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1069906	1040689	103%	50 - 200 %
Fluorobenzene	1874020	1904896	98.4%	50 - 200 %
1,4 - Difluorobenzene	1849745	1795782	103%	50 - 200 %
Chlorobenzene - d5	1316507	1334623	98.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	543075	580465	93.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.63	96.3%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.33	93.3%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.91	99.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-17A

Client:	**Western Water Consultants**		
Sample ID:	90125-17A.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42016	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	5	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*		*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND		5.0
74-87-3	Chloromethane	ND		5.0
75-01-4	Vinyl chloride (Chloroethene)	ND		5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	Chloroethane	ND		5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	**1,1 - Dichloroethene**	**45.3**		5.0
75-09-2	Methylene chloride (Dichloromethane)	ND		5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		5.0
75-34-3	**1,1 - Dichloroethane**	**51.1**		5.0
78-93-3	2 -Butanone (MEK)	ND		50.0
156-59-2	cis - 1,2 - Dichloroethene	ND		5.0
74-97-5	Bromochloromethane	ND		5.0
67-66-3	Chloroform (Trichloromethane)	ND		5.0
594-20-7	2,2 - Dichloropropane	ND		5.0
71-55-6	**1,1,1 - Trichloroethane**	**3.80**	J	5.0
107-06-2	1,2 - Dichloroethane	ND		5.0
563-58-6	1,1 - Dichloropropene	ND		5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		5.0
71-43-2	**Benzene**	**4.35**	J	5.0
74-95-3	Dibromomethane	ND		5.0
78-87-5	1,2 - Dichloropropane	ND		5.0
79-01-6	**Trichloroethene**	**45.2**		5.0
75-27-4	Bromodichloromethane	ND		5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		5.0
79-00-5	1,1,2 - Trichloroethane	ND		5.0
108-88-3	Toluene	ND		5.0
106-93-4	1,2 - Dibromoethane	ND		5.0
142-28-9	1,3 - Dichloropropane	ND		5.0
124-48-1	Dibromochloromethane	ND		5.0
127-18-4	**Tetrachloroethene**	**61.5**		5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		5.0
108-90-7	Chlorobenzene	ND		5.0
100-41-4	Ethylbenzene	ND		5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		10.0
75-25-2	Bromoform (Tribromomethane)	ND		5.0
100-42-5	Styrene (Ethenylbenzene)	ND		5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		5.0
96-18-4	1,2,3 - Trichloropropane	ND		5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-17A.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42016	Date Reported:	August 19, 1997

MW-17A

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**7.30**	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	**sec - Butylbenzene**	**8.80**	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1098378	1040689	106%	50 - 200 %
Fluorobenzene	1907376	1904896	100%	50 - 200 %
1,4 - Difluorobenzene	1870092	1795782	104%	50 - 200 %
Chlorobenzene - d5	1337461	1334623	100%	50 - 200 %
1,4 - Dichlorobenzene - d4	554625	580465	95.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.62	96.2%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.29	92.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.89	98.9%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-17B.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42017	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	5	Date Reported:	August 19, 1997

MW-17B

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		5.0
74-87-3	Chloromethane	ND		5.0
75-01-4	Vinyl chloride (Chloroethene)	ND		5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	Chloroethane	ND		5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	**1,1 - Dichloroethene**	**80.0**		5.0
75-09-2	Methylene chloride (Dichloromethane)	ND		5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		5.0
75-34-3	**1,1 - Dichloroethane**	**25.7**		5.0
78-93-3	2 -Butanone (MEK)	ND		50.0
156-59-2	cis - 1,2 - Dichloroethene	ND		5.0
74-97-5	Bromochloromethane	ND		5.0
67-66-3	Chloroform (Trichloromethane)	ND		5.0
594-20-7	2,2 - Dichloropropane	ND		5.0
71-55-6	**1,1,1 - Trichloroethane**	**3.50**	J	5.0
107-06-2	1,2 - Dichloroethane	ND		5.0
563-58-6	1,1 - Dichloropropene	ND		5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		5.0
71-43-2	Benzene	ND		5.0
74-95-3	Dibromomethane	ND		5.0
78-87-5	1,2 - Dichloropropane	ND		5.0
79-01-6	**Trichloroethene**	**17.0**		5.0
75-27-4	Bromodichloromethane	ND		5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		5.0
79-00-5	1,1,2 - Trichloroethane	ND		5.0
108-88-3	Toluene	ND		5.0
106-93-4	1,2 - Dibromoethane	ND		5.0
142-28-9	1,3 - Dichloropropane	ND		5.0
124-48-1	Dibromochloromethane	ND		5.0
127-18-4	**Tetrachloroethene**	**141**		5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		5.0
108-90-7	Chlorobenzene	ND		5.0
100-41-4	Ethylbenzene	ND		5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		10.0
75-25-2	Bromoform (Tribromomethane)	ND		5.0
100-42-5	Styrene (Ethenylbenzene)	ND		5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		5.0
96-18-4	1,2,3 - Trichloropropane	ND		5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-17B.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42017	Date Reported:	August 19, 1997

MW-17B

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.0
108-86-1	Bromobenzene	ND	5.0
103-65-1	n - Propylbenzene	ND	5.0
95-49-8	2 - Chlorotoluene	ND	5.0
106-43-4	4 - Chlorotoluene	ND	5.0
108-67-8	1,3,5 - Trimethylbenzene	ND	5.0
98-06-6	tert - Butylbenzene	ND	5.0
95-63-6	1,2,4 - Trimethylbenzene	ND	5.0
135-98-8	sec - Butylbenzene	ND	5.0
541-73-1	1,3 - Dichlorobenzene	ND	5.0
106-46-7	1,4 - Dichlorobenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
95-50-1	1,2 - Dichlorobenzene	ND	5.0
104-51-8	n - Butylbenzene	ND	5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.0
91-20-3	Naphthalene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
87-61-6	1,2 3 - Trichlorobenzene	ND	5.0

ND - Analyte not detected at stated limit of detection

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RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1087401	1040689	104%	50 - 200 %
Fluorobenzene	1904942	1904896	100%	50 - 200 %
1,4 - Difluorobenzene	1857441	1795782	103%	50 - 200 %
Chlorobenzene - d5	1339380	1334623	100%	50 - 200 %
1,4 - Dichlorobenzene - d4	555261	580465	95.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.81	98.1%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.41	94.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.81	98.1%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_42001.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

MW-17C

Client:	**Western Water Consultants**		
Sample ID:	90125-17C.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42018	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	5	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		5.0
74-87-3	Chloromethane	ND		5.0
75-01-4	**Vinyl chloride (Chloroethene)**	**3.95**	J	5.0
74-83-9	Bromomethane	ND		5.0
75-00-3	**Chloroethane**	**2.40**	J	5.0
75-69-4	Trichlorofluoromethane	ND		5.0
75-35-4	**1,1 - Dichloroethene**	**92.8**		5.0
75-09-2	Methylene chloride (Dichloromethane)	ND		5.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		5.0
75-34-3	**1,1 - Dichloroethane**	**42.8**		5.0
78-93-3	2 -Butanone (MEK)	ND		50.0
156-59-2	**cis - 1,2 - Dichloroethene**	**5.05**		5.0
74-97-5	Bromochloromethane	ND		5.0
67-66-3	Chloroform (Trichloromethane)	ND		5.0
594-20-7	2,2 - Dichloropropane	ND		5.0
71-55-6	1,1,1 - Trichloroethane	ND		5.0
107-06-2	**1,2 - Dichloroethane**	**2.25**	J	5.0
563-58-6	1,1 - Dichloropropene	ND		5.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		5.0
71-43-2	**Benzene**	**10.1**		5.0
74-95-3	Dibromomethane	ND		5.0
78-87-5	1,2 - Dichloropropane	ND		5.0
79-01-6	**Trichloroethene**	**96.5**		5.0
75-27-4	Bromodichloromethane	ND		5.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		5.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		5.0
79-00-5	1,1,2 - Trichloroethane	ND		5.0
108-88-3	Toluene	ND		5.0
106-93-4	1,2 - Dibromoethane	ND		5.0
142-28-9	1,3 - Dichloropropane	ND		5.0
124-48-1	Dibromochloromethane	ND		5.0
127-18-4	**Tetrachloroethene**	**10.1**		5.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		5.0
108-90-7	Chlorobenzene	ND		5.0
100-41-4	Ethylbenzene	ND		5.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		10.0
75-25-2	Bromoform (Tribromomethane)	ND		5.0
100-42-5	Styrene (Ethenylbenzene)	ND		5.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		5.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		5.0
96-18-4	1,2,3 - Trichloropropane	ND		5.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-17C.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42018	Date Reported:	August 19, 1997

MW-17C

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**5.25**		5.0
108-86-1	Bromobenzene	ND		5.0
103-65-1	n - Propylbenzene	ND		5.0
95-49-8	2 - Chlorotoluene	ND		5.0
106-43-4	4 - Chlorotoluene	ND		5.0
108-67-8	1,3,5 - Trimethylbenzene	ND		5.0
98-06-6	tert - Butylbenzene	ND		5.0
95-63-6	**1,2,4 - Trimethylbenzene**	**4.05**		5.0
135-98-8	sec - Butylbenzene	ND		5.0
541-73-1	1,3 - Dichlorobenzene	ND		5.0
106-46-7	1,4 - Dichlorobenzene	ND		5.0
99-87-6	4-Isopropyltoluene	ND		5.0
95-50-1	1,2 - Dichlorobenzene	ND		5.0
104-51-8	n - Butylbenzene	ND		5.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND		25.0
120-82-1	1,2,4 - Trichlorobenzene	ND		5.0
91-20-3	**Naphthalene**	**1.10**	J	5.0
87-68-3	Hexachlorobutadiene	ND		5.0
87-61-6	1,2 3 - Trichlorobenzene	ND		5.0

ND - Analyte not detected at stated limit of detection

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RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1065844	1040689	102%	50 - 200 %
Fluorobenzene	1892313	1904896	99.3%	50 - 200 %
1,4 - Difluorobenzene	1856506	1795782	103%	50 - 200 %
Chlorobenzene - d5	1325501	1334623	99.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	553544	580465	95.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.0	100%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.35	93.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.96	99.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-18.7/97 MW-18
Laboratory ID: C97-42020
Matrix: Water
Dilution Factor: 2

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**140**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**20.3**		2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2.2 - Dichloropropane	ND		2.0
71-55-6	**1,1,1 - Trichloroethane**	**1.10**	J	2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**2.12**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**44.0**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**121**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

ELI

EPA METHOD 8260

Client: **Western Water Consultants** MW-18 Date Sampled: 07/30/97
Sample ID: 90125-18.7/97 Date Analyzed: 08/04/97
Laboratory ID: C97-42020 Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1096201	1040689	105%	50 - 200 %
Fluorobenzene	1970220	1904896	103%	50 - 200 %
1,4 - Difluorobenzene	1886558	1795782	105%	50 - 200 %
Chlorobenzene - d5	1340063	1334623	100%	50 - 200 %
1,4 - Dichlorobenzene - d4	544116	580465	93.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.40	94.0%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.13	91.3%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.70	97.0%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-19.7/97 MW-19
Laboratory ID: C97-42021
Matrix: Water
Dilution Factor: 2

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**116**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**8.54**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**2.18**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**5.14**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**95.7**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-19.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42021	Date Reported:	August 19, 1997

MW-19

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	981286	1040689	94.3%	50 - 200 %
Fluorobenzene	1710265	1904896	89.8%	50 - 200 %
1,4 - Difluorobenzene	1702045	1795782	94.8%	50 - 200 %
Chlorobenzene - d5	1231739	1334623	92.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	506394	580465	87.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.06	90.6%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.42	94.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.83	98.3%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-20

Client:	**Western Water Consultants**		
Sample ID:	90125-20.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42022	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-20.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42022	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	723478	1040689	69.5%	50 - 200 %
Fluorobenzene	1610116	1904896	84.5%	50 - 200 %
1,4 - Difluorobenzene	1507536	1795782	83.9%	50 - 200 %
Chlorobenzene - d5	1097405	1334623	82.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	424073	580465	73.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.8	118%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.39	93.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.4	104%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-21.7/97 MW-21	Date Sampled:	07/30/97
Laboratory ID:	C97-42023	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**10.5**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**1.40**	J	2.0
78-93-3	2 -Butanone (MEK)	ND		20.0
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	1,2 - Dichloroethane	ND		2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	Benzene	ND		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**2.54**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**6.58**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

ELI

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-21.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42023	Date Reported:	August 19, 1997

mw-21

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	979087	1040689	94.1%	50 - 200 %
Fluorobenzene	1718512	1904896	90.2%	50 - 200 %
1,4 - Difluorobenzene	1705175	1795782	95.0%	50 - 200 %
Chlorobenzene - d5	1238176	1334623	92.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	520161	580465	89.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.34	93.4%	86 - 118 %
Toluene - d8	9.88	98.8%	88 - 110 %
4 - Bromofluorobenzene	9.51	95.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.80	98.0%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-22.7/97
Laboratory ID: C97-42024
Matrix: Water
Dilution Factor: 2

MW-22

Date Sampled: 07/30/97
Date Received: 08/01/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.0
74-87-3	Chloromethane	ND	2.0
75-01-4	Vinyl chloride (Chloroethene)	ND	2.0
74-83-9	Bromomethane	ND	2.0
75-00-3	Chloroethane	ND	2.0
75-69-4	Trichlorofluoromethane	ND	2.0
75-35-4	**1,1 - Dichloroethene**	**91.9**	2.0
75-09-2	Methylene chloride (Dichloromethane)	ND	2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.0
75-34-3	**1,1 - Dichloroethane**	**12.4**	2.0
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.0
74-97-5	Bromochloromethane	ND	2.0
67-66-3	Chloroform (Trichloromethane)	ND	2.0
594-20-7	2,2 - Dichloropropane	ND	2.0
71-55-6	1,1,1 - Trichloroethane	ND	2.0
107-06-2	1,2 - Dichloroethane	ND	2.0
563-58-6	1,1 - Dichloropropene	ND	2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.0
71-43-2	**Benzene**	**14.1**	2.0
74-95-3	Dibromomethane	ND	2.0
78-87-5	1,2 - Dichloropropane	ND	2.0
79-01-6	**Trichloroethene**	**24.4**	2.0
75-27-4	Bromodichloromethane	ND	2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.0
79-00-5	1,1,2 - Trichloroethane	ND	2.0
108-88-3	Toluene	ND	2.0
106-93-4	1,2 - Dibromoethane	ND	2.0
142-28-9	1,3 - Dichloropropane	ND	2.0
124-48-1	Dibromochloromethane	ND	2.0
127-18-4	**Tetrachloroethene**	**104**	2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.0
108-90-7	Chlorobenzene	ND	2.0
100-41-4	Ethylbenzene	ND	2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.0
75-25-2	Bromoform (Tribromomethane)	ND	2.0
100-42-5	Styrene (Ethenylbenzene)	ND	2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.0
96-18-4	1,2,3 - Trichloropropane	ND	2.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client: **Western Water Consultants** MW-22
Sample ID: 90125-22.7/97
Laboratory ID: C97-42024

Date Sampled: 07/30/97
Date Analyzed: 08/04/97
Date Reported: August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	971428	1040689	93.3%	50 - 200 %
Fluorobenzene	1704073	1904896	89.5%	50 - 200 %
1,4 - Difluorobenzene	1692057	1795782	94.2%	50 - 200 %
Chlorobenzene - d5	1227342	1334623	92.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	507105	580465	87.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.27	92.7%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.47	94.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.97	99.7%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-23.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42025	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

MW-23

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-23.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42025	Date Reported:	August 19, 1997

MW-23

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	816825	1040689	78.5%	50 - 200 %
Fluorobenzene	1751689	1904896	92.0%	50 - 200 %
1,4 - Difluorobenzene	1640694	1795782	91.4%	50 - 200 %
Chlorobenzene - d5	1211252	1334623	90.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	475694	580465	82.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.5	115%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.52	95.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.4	104%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-24.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42026	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

MW-24

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-24.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42026	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	785967	1040689	75.5%	50 - 200 %
Fluorobenzene	1653796	1904896	86.8%	50 - 200 %
1,4 - Difluorobenzene	1583494	1795782	88.2%	50 - 200 %
Chlorobenzene - d5	1148110	1334623	86.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	458404	580465	79.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	9.93	99.3%	88 - 110 %
4 - Bromofluorobenzene	9.59	95.9%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.4	104%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

MW-25

Client:	**Western Water Consultants**		
Sample ID:	90125-25.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42027	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	2	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)		LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND		2.0
74-87-3	Chloromethane	ND		2.0
75-01-4	Vinyl chloride (Chloroethene)	ND		2.0
74-83-9	Bromomethane	ND		2.0
75-00-3	Chloroethane	ND		2.0
75-69-4	Trichlorofluoromethane	ND		2.0
75-35-4	**1,1 - Dichloroethene**	**30.7**		2.0
75-09-2	Methylene chloride (Dichloromethane)	ND		2.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		2.0
75-34-3	**1,1 - Dichloroethane**	**11.2**		2.0
78-93-3	2 -Butanone (MEK)	ND		20
156-59-2	cis - 1,2 - Dichloroethene	ND		2.0
74-97-5	Bromochloromethane	ND		2.0
67-66-3	Chloroform (Trichloromethane)	ND		2.0
594-20-7	2,2 - Dichloropropane	ND		2.0
71-55-6	1,1,1 - Trichloroethane	ND		2.0
107-06-2	**1,2 - Dichloroethane**	**1.18**	J	2.0
563-58-6	1,1 - Dichloropropene	ND		2.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		2.0
71-43-2	**Benzene**	**23.1**		2.0
74-95-3	Dibromomethane	ND		2.0
78-87-5	1,2 - Dichloropropane	ND		2.0
79-01-6	**Trichloroethene**	**4.62**		2.0
75-27-4	Bromodichloromethane	ND		2.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		2.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		2.0
79-00-5	1,1,2 - Trichloroethane	ND		2.0
108-88-3	Toluene	ND		2.0
106-93-4	1,2 - Dibromoethane	ND		2.0
142-28-9	1,3 - Dichloropropane	ND		2.0
124-48-1	Dibromochloromethane	ND		2.0
127-18-4	**Tetrachloroethene**	**34.8**		2.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		2.0
108-90-7	Chlorobenzene	ND		2.0
100-41-4	Ethylbenzene	ND		2.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		4.0
75-25-2	Bromoform (Tribromomethane)	ND		2.0
100-42-5	Styrene (Ethenylbenzene)	ND		2.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		2.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		2.0
96-18-4	1,2,3 - Trichloropropane	ND		2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-25.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42027	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.0
108-86-1	Bromobenzene	ND	2.0
103-65-1	n - Propylbenzene	ND	2.0
95-49-8	2 - Chlorotoluene	ND	2.0
106-43-4	4 - Chlorotoluene	ND	2.0
108-67-8	1,3,5 - Trimethylbenzene	ND	2.0
98-06-6	tert - Butylbenzene	ND	2.0
95-63-6	1,2,4 - Trimethylbenzene	ND	2.0
135-98-8	sec - Butylbenzene	ND	2.0
541-73-1	1,3 - Dichlorobenzene	ND	2.0
106-46-7	1,4 - Dichlorobenzene	ND	2.0
99-87-6	4-Isopropyltoluene	ND	2.0
95-50-1	1,2 - Dichlorobenzene	ND	2.0
104-51-8	n - Butylbenzene	ND	2.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.0
91-20-3	Naphthalene	ND	2.0
87-68-3	Hexachlorobutadiene	ND	2.0
87-61-6	1,2 3 - Trichlorobenzene	ND	2.0

ND - Analyte not detected at stated limit of detection

J - This flag indicates an estimated value for an analyte at less than the stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	964779	1040689	92.7%	50 - 200 %
Fluorobenzene	1715882	1904896	90.1%	50 - 200 %
1,4 - Difluorobenzene	1673760	1795782	93.2%	50 - 200 %
Chlorobenzene - d5	1216084	1334623	91.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	506157	580465	87.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.33	93.3%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.44	94.4%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.83	98.3%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-26.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42028	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

MW-26

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	**1,1 - Dichloroethene**	**3.65**	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	**1,1 - Dichloroethane**	**1.18**	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	**Tetrachloroethene**	**2.00**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-26.7/97	Date Analyzed:	08/04/97
Laboratory ID:	C97-42028	Date Reported:	August 19, 1997

MW-26

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	798278	1040689	76.7%	50 - 200 %
Fluorobenzene	1698612	1904896	89.2%	50 - 200 %
1,4 - Difluorobenzene	1608893	1795782	89.6%	50 - 200 %
Chlorobenzene - d5	1172869	1334623	87.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	466034	580465	80.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.52	95.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.4	104%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	90125-27.7/97	Date Sampled:	07/30/97
Laboratory ID:	C97-42029	Date Received:	08/01/97
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

MW-27

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample ID:	90125-27.7/97 MW-27	Date Analyzed:	08/04/97
Laboratory ID:	C97-42029	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	836307	1040689	80.4%	50 - 200 %
Fluorobenzene	1559623	1904896	81.9%	50 - 200 %
1,4 - Difluorobenzene	1494470	1795782	83.2%	50 - 200 %
Chlorobenzene - d5	1091534	1334623	81.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	454634	580465	78.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.85	98.5%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.75	97.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.96	99.6%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	Method Blank	Date Sampled:	N/A
Laboratory ID:	MB0804D	Date Received:	N/A
Matrix:	Water	Date Analyzed:	08/04/97
Dilution Factor:	1	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	N/A
Sample ID:	Method Blank	Date Analyzed:	08/04/97
Laboratory ID:	MB0804D	Date Reported:	August 19, 1997

C.A.S. #	TARGET COMPOUNDS	*CONCENTRATION (µg/L)*	*LIMIT OF DETECTION (µg/L)*
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1107795	1040689	106%	50 - 200 %
Fluorobenzene	1986535	1904896	104%	50 - 200 %
1,4 - Difluorobenzene	1937850	1795782	108%	50 - 200 %
Chlorobenzene - d5	1371333	1334623	103%	50 - 200 %
1,4 - Dichlorobenzene - d4	559540	580465	96.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.09	90.9%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.40	94.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample Set:	C97-42001 through C97-42010	Date Received:	08/01/97
Laboratory ID:	C97-42004 S	Date Analyzed:	08/04/97
Matrix:	Water	Date Reported:	August 19, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	1040689	1093368	105%	1091091	105%	50 - 200 %
Fluorobenzene	1904896	1911867	100%	1898527	99.7%	50 - 200 %
1,4 - Difluorobenzene	1795782	1881256	105%	1871162	104%	50 - 200 %
Chlorobenzene - d5	1334623	1354634	101%	1352636	101%	50 - 200 %
1,4 - Dichlorobenzene-d4	580465	569548	98.12%	560838	96.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.72	97.2%	9.63	96.3%	86 - 118 %
Toluene - d8	10.1	101%	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.80	98.0%	9.77	97.7%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.77	97.7%	9.77	97.7%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	8.61	ND	10.0	86.1%	80 - 120 %
1,1 - Dichloroethene	9.19	ND	10.0	91.9%	80 - 120 %
2 - Butanone (MEK)	8.08	ND	10.0	80.8%	80 - 120 %
Chloroform	9.05	ND	10.0	90.5%	80 - 120 %
1,2 - Dichloroethane	9.05	ND	10.0	90.5%	80 - 120 %
Carbon tetrachloride	8.81	ND	10.0	88.1%	80 - 120 %
Benzene	9.05	ND	10.0	90.5%	80 - 120 %
Trichloroethene	8.74	ND	10.0	87.4%	80 - 120 %
Tetrachloroethene	8.99	ND	10.0	89.9%	80 - 120 %
Chlorobenzene	8.95	ND	10.0	89.5%	80 - 120 %
1,4 - Dichlorobenzene	9.44	ND	10.0	94.4%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS 9.28 *** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	8.50	ND	10.0	85.0%	1.3%	10 %
1,1 - Dichloroethene	8.96	ND	10.0	89.6%	2.5%	10 %
2 - Butanone (MEK)	8.64	ND	10.0	86.4%	6.9%	10 %
Chloroform	9.09	ND	10.0	90.9%	0.4%	10 %
1,2 - Dichloroethane	8.86	ND	10.0	88.6%	2.1%	10 %
Carbon tetrachloride	9.26	ND	10.0	92.6%	5.1%	10 %
Benzene	8.71	ND	10.0	87.1%	3.8%	10 %
Trichloroethene	9.02	ND	10.0	90.2%	3.2%	10 %
Tetrachloroethene	8.98	ND	10.0	89.8%	0.1%	10 %
Chlorobenzene	9.48	ND	10.0	94.8%	5.9%	10 %
1,4 - Dichlorobenzene	9.36	ND	10.0	93.6%	0.8%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample Set:	C97-42011 through C97-42020	Date Received:	08/01/97
Laboratory ID:	C97-42022 S	Date Analyzed:	08/04/97
Matrix:	Water	Date Reported:	August 19, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	1040689	899641	86.4%	904732	86.9%	50 - 200 %
Fluorobenzene	1904896	1612428	84.6%	1632088	85.7%	50 - 200 %
1,4 - Difluorobenzene	1795782	1577911	87.9%	1588632	88.5%	50 - 200 %
Chlorobenzene - d5	1334623	1152730	86.4%	1163023	87.1%	50 - 200 %
1,4 - Dichlorobenzene-d4	580465	480321	82.7%	488283	84.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.45	94.5%	9.55	95.5%	86 - 118 %
Toluene - d8	9.95	99.5%	9.96	99.6%	88 - 110 %
4 - Bromofluorobenzene	9.57	95.7%	9.57	95.7%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.67	96.7%	9.66	96.6%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	9.50	ND	10.0	95.0%	80 - 120 %
1,1 - Dichloroethene	9.00	ND	10.0	90.0%	80 - 120 %
2 - Butanone (MEK)	9.80	ND	10.0	98.0%	80 - 120 %
Chloroform	9.21	ND	10.0	92.1%	80 - 120 %
1,2 - Dichloroethane	9.66	ND	10.0	96.6%	80 - 120 %
Carbon tetrachloride	11.1	ND	10.0	111%	80 - 120 %
Benzene	9.29	ND	10.0	92.9%	80 - 120 %
Trichloroethene	9.87	ND	10.0	98.7%	80 - 120 %
Tetrachloroethene	10.6	ND	10.0	106%	80 - 120 %
Chlorobenzene	10.3	ND	10.0	103%	80 - 120 %
1,4 - Dichlorobenzene	10.3	ND	10.0	103%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

*** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	9.65	ND	10.0	96.5%	1.6%	10 %
1,1 - Dichloroethene	8.92	ND	10.0	89.2%	0.9%	10 %
2 - Butanone (MEK)	9.68	ND	10.0	96.8%	1.2%	10 %
Chloroform	9.05	ND	10.0	90.5%	1.7%	10 %
1,2 - Dichloroethane	9.69	ND	10.0	96.9%	0.3%	10 %
Carbon tetrachloride	10.8	ND	10.0	108%	2.6%	10 %
Benzene	9.18	ND	10.0	91.8%	1.2%	10 %
Trichloroethene	9.70	ND	10.0	97.0%	1.7%	10 %
Tetrachloroethene	10.4	ND	10.0	104%	1.9%	10 %
Chlorobenzene	10.2	ND	10.0	102%	0.8%	10 %
1,4 - Dichlorobenzene	10.1	ND	10.0	101%	2.0%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

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Analyst: yw
Reviewed: sec

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client:	**Western Water Consultants**	Date Sampled:	07/30/97
Sample Set:	C97-42021 through C97-42030	Date Received:	08/01/97
Laboratory ID:	C97-42025 S	Date Analyzed:	08/04/97
Matrix:	Water	Date Reported:	August 19, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	1040689	887808	85.3%	877827	84.4%	50 - 200 %
Fluorobenzene	1904896	1610917	84.6%	1621718	85.1%	50 - 200 %
1,4 - Difluorobenzene	1795782	1566016	87.2%	1568280	87.3%	50 - 200 %
Chlorobenzene - d5	1334623	1148726	86.1%	1165236	87.3%	50 - 200 %
1,4 - Dichlorobenzene-d4	580465	480508	82.8%	488313	84.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.57	95.7%	9.74	97.4%	86 - 118 %
Toluene - d8	9.93	99.3%	9.98	99.8%	88 - 110 %
4 - Bromofluorobenzene	9.61	96.1%	9.68	96.8%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.74	97.4%	9.83	98.3%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE AMOUNT (µg/L)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	9.90	ND	10.0	99.0%	80 - 120 %
1,1 - Dichloroethene	8.94	ND	10.0	89.4%	80 - 120 %
2 - Butanone (MEK)	10.0	ND	10.0	100%	80 - 120 %
Chloroform	9.17	ND	10.0	91.7%	80 - 120 %
1,2 - Dichloroethane	9.80	ND	10.0	98.0%	80 - 120 %
Carbon tetrachloride	10.9	ND	10.0	109%	80 - 120 %
Benzene	9.23	ND	10.0	92.3%	80 - 120 %
Trichloroethene	9.81	ND	10.0	98.1%	80 - 120 %
Tetrachloroethene	10.4	ND	10.0	104%	80 - 120 %
Chlorobenzene	10.4	ND	10.0	104%	80 - 120 %
1,4 - Dichlorobenzene	10.3	ND	10.0	103%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

*** Concentration does not include dilution correction**

	SPIKE DUP CONCENTRATION	ORIG. CONC. (µg/L) *	SPIKE (µg/L)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	10.2	ND	10.0	102%	2.6%	10 %
1,1 - Dichloroethene	9.09	ND	10.0	90.9%	1.7%	10 %
2 - Butanone (MEK)	9.87	ND	10.0	98.7%	1.5%	10 %
Chloroform	9.23	ND	10.0	92.3%	0.7%	10 %
1,2 - Dichloroethane	9.85	ND	10.0	98.5%	0.5%	10 %
Carbon tetrachloride	10.8	ND	10.0	108%	0.7%	10 %
Benzene	9.18	ND	10.0	91.8%	0.5%	10 %
Trichloroethene	9.71	ND	10.0	97.1%	1.0%	10 %
Tetrachloroethene	10.3	ND	10.0	103%	1.1%	10 %
Chlorobenzene	10.2	ND	10.0	102%	2.4%	10 %
1,4 - Dichlorobenzene	10.1	ND	10.0	101%	1.8%	10 %

MATRIX SPIKE: 0 of 22 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 11 Matrix Spike Duplicate results are outside of established QC Limits

Report Approved By: _____

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Analyst: yw
Reviewed: sec

Western Water Consultants, Inc.

CHAIN OF CUSTODY RECORD AND SAMPLING SHIPPING PAPERS

PROJECT NO. PROJECT NAME: 90-125L.5

SAMPLERS: (signature) Kevin Mattson

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	SAMPLE TYPE	NO. OF CONTAINERS	CONTAINER TYPE: 40ml Voa's	1 Liter Amber					REMARKS
90125-1.7/97	7/30/97	0620		X	H_2O	3	3	-					Analyze all Voa samples by EPA Method 8260. Analyze the 2 one liter glass samples for total dissolved solids. Samples kept on ice and shipped on ice via UPS overnight to Energy Labs (Casper)
90125-2.7/97	"	0630		X	"	3	3	-					
90125-3.7/97	"	0640		X	"	3	3	-					
90125-4.7/97	"	0650		X	"	3	3	-					
90125-5.7/97	"	0700		X	"	3	3	-					
90125-6.7/97	"	0710		X	"	3	3	-					
90125-7.7/97	"	0720		X	"	3	3	-					
90125-8.7/97	"	0730		X	"	3	3	-					
90125-9.7/97	"	0740		X	"	3	3	-					
90125-10.7/97	"	0750		X	"	3	3	-					
90125-11.7/97	"	0800		X	"	3	3	-					

Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received by: (signature)
Kevin Mattson	7/31/97 1010				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received for Laboratory by: (signature)
			[illegible]	8/1/97 1700	Teresa Bee

DISTRIBUTION: White – ORIG. RETURN TO WWC

REMARKS: If there are any questions contact Kevin Mattson at (307) 742-0031.

File 90125-1

WESTERN WATER CONSULTANTS, INC
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Western Water Consultants, Inc.

CHAIN OF CUSTODY RECORD AND SAMPLING SHIPPING PAPERS

PROJECT NO. PROJECT NAME: 90-125L.5

SAMPLERS: (signature) Kevin Mattson

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	SAMPLE TYPE	NO. OF CONTAINERS	CONTAINER TYPE: 40 ml VOA	CONTAINER TYPE: 1 liter amber	REMARKS
90125-12.7/97	7/30/97	0810		X	H_2O	3	3	-	Analyze all VOA samples by EPA Method 8260. Analyze the 2 one liter glass samples for total dissolved solids.
90125-13.7/97	"	0820		X	"	3	3	-	
90125-14.7/97	"	0830		X	"	3	3	-	
90125-15.7/97	"	0840		X	"	3	3	-	
90125-17A.7/97	"	0850		X	"	3	3	-	
90125-17B.7/97	"	0900		X	"	3	3	-	
90125-17C.7/97	"	0910		X	"	3	3	-	Samples kept on ice and shipped w/ice via UPS overnight to Energy Labs (Casper)
90125-17D.7/97	"	0920		X	"	3	3	-	
90125-18.7/97	"	0930		X	"	3	3	-	
90125-19.7/97	"	0940		X	"	3	3	-	
90125-20.7/97	"	0950		X	"	3	3	-	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received by: (signature)
Kevin Mattson	7/31/97 1010				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received for Laboratory by: (signature)
				8/1/97 1700	Teresa Bee

DISTRIBUTION: White – ORIG. RETURN TO WWC

REMARKS: If there are any questions contact Kevin Mattson at (307) 742-8031.

Western Water Consultants, Inc.

CHAIN OF CUSTODY RECORD AND SAMPLING SHIPPING PAPERS

PROJECT NO. PROJECT NAME: 90-125L.5

SAMPLERS: (signature) Kevin Mattson

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	SAMPLE TYPE	NO. OF CONTAINERS	CONTAINER TYPE: 40 ml VOA	CONTAINER TYPE: 1 liter amber	REMARKS
90125-21.7/97	7/30/97	1000		X	H_2O	3	3	-	Analyze all VOA samples by EPA Method 8260. Analyze the 2 one liter glass samples for total dissolved solids.
90125-22.7/97	"	1010		X	"	3	3	-	
90125-23.7/97	"	1020		X	"	3	3	-	
90125-24.7/97	"	1030		X	"	4	3	1	
90125-25.7/97	"	1040		X	"	3	3	-	
90125-26.7/97	"	1050		X	"	4	3	1	
90125-27.7/97	"	1100		X	"	3	3	-	Samples kept on ice and shipped w/ice via UPS overnight to Energy Labs (Casper)
90125-B.7/97	"	1120		X	"	3	3	-	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received by: (signature)
Kevin Mattson	7/30/97 1010				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received for Laboratory by: (signature)
			Brian Boutilier	8/1/97 1700	Teresa Bee

DISTRIBUTION: White – ORIG. RETURN TO WWC

REMARKS: If there are any questions contact Kevin Mattson at (307) 742-0031.

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-MS.7/97
Laboratory ID: C97-41725
Matrix: Air
Dilution Factor: 1

Maintenance Shop

Date Sampled: 07/29/97
Date Received: 07/30/97
Date Analyzed: 07/30/97
Date Reported: August 12, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)		LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND		1.0
74-87-3	Chloromethane	ND		1.0
75-01-4	Vinyl chloride (Chloroethene)	ND		1.0
74-83-9	Bromomethane	ND		1.0
75-00-3	Chloroethane	ND		1.0
75-69-4	Trichlorofluoromethane	ND		1.0
75-35-4	1,1 - Dichloroethene	ND		1.0
75-09-2	Methylene chloride (Dichloromethane)	ND		1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND		1.0
75-34-3	1,1 - Dichloroethane	ND		1.0
156-59-2	cis - 1,2 - Dichloroethene	ND		1.0
74-97-5	Bromochloromethane	ND		1.0
67-66-3	Chloroform (Trichloromethane)	ND		1.0
594-20-7	2,2 - Dichloropropane	ND		1.0
71-55-6	1,1,1 - Trichloroethane	ND		1.0
107-06-2	1,2 - Dichloroethane	ND		1.0
563-58-6	1,1 - Dichloropropene	ND		1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND		1.0
71-43-2	Benzene	ND		1.0
74-95-3	Dibromomethane	ND		1.0
78-87-5	1,2 - Dichloropropane	ND		1.0
79-01-6	Trichloroethene	ND		1.0
75-27-4	Bromodichloromethane	ND		1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND		1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND		1.0
79-00-5	1,1,2 - Trichloroethane	ND		1.0
108-88-3	Toluene	ND		1.0
106-93-4	1,2 - Dibromoethane	ND		1.0
142-28-9	1,3 - Dichloropropane	ND		1.0
124-48-1	Dibromochloromethane	ND		1.0
127-18-4	**Tetrachloroethene**	**0.60**	**J**	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	ND		1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND		2.0
75-25-2	Bromoform (Tribromomethane)	ND		1.0
100-42-5	Styrene (Ethenylbenzene)	ND		1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND		1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND		1.0
96-18-4	1,2,3 - Trichloropropane	ND		1.0

ND - Analyte not detected at stated limit of detection
J - Meets Mass Spectral identification criteria but result is below established detection limit

Maintenance shop

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/29/97
Sample ID:	90125-MS.7/97	Date Analyzed:	07/30/97
Laboratory ID:	C97-41725	Date Reported:	August 12, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

J - Meets Mass Spectral identification criteria but result is below established detection limit

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	885130	940049	94.2%	50 - 200 %
Fluorobenzene	1757487	1717058	102%	50 - 200 %
1,4 - Difluorobenzene	1606316	1650598	97.3%	50 - 200 %
Chlorobenzene - d5	1228852	1211735	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	518200	504616	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	9.88	98.8%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

Report File: F:\REPORTS\CLIENTS.97\WEST_WAT.ER\ORGANIC.CAS\97_ 41725.xls

Analyst: yw
Reviewed: sec

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EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 90125-WB.7/97 Truck Wash Bay
Laboratory ID: C97-41726
Matrix: Air
Dilution Factor: 1

Date Sampled: 07/29/97
Date Received: 07/30/97
Date Analyzed: 07/30/97
Date Reported: August 12, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	**m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)**	**3.46**	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	**o - Xylene (1,2-Dimethylbenzene)**	**6.61**	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	07/29/97
Sample ID:	90125-WB.7/97	Date Analyzed:	07/30/97
Laboratory ID:	C97-41726	Date Reported:	August 12, 1997

Trip Blank

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	**Isopropylbenzene (1-Methylethylbenzene)**	**1.04**	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	**n - Propylbenzene**	**1.52**	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	**1,3,5 - Trimethylbenzene**	**16.7**	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	**1,2,4 - Trimethylbenzene**	**10.0**	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	860942	940049	91.6%	50 - 200 %
Fluorobenzene	1693493	1717058	98.6%	50 - 200 %
1,4 - Difluorobenzene	1558017	1650598	94.4%	50 - 200 %
Chlorobenzene - d5	1189124	1211735	98.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	514312	504616	102%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	10.3	103%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst: yw
Reviewed: sec

ENERGY LABORATORIES, INC.
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EPA METHOD 8260

Client:	**Western Water Consultants**		
Sample ID:	Method Blank	Date Sampled:	N/A
Laboratory ID:	MB0730D	Date Received:	N/A
Matrix:	Nitrogen	Date Analyzed:	07/30/97
Dilution Factor:	1	Date Reported:	August 12, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
75-71-8	Dichlorodifluoromethane	ND	1.0
74-87-3	Chloromethane	ND	1.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
74-83-9	Bromomethane	ND	1.0
75-00-3	Chloroethane	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
75-35-4	1,1 - Dichloroethene	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.0
75-34-3	1,1 - Dichloroethane	ND	1.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
594-20-7	2,2 - Dichloropropane	ND	1.0
71-55-6	1,1,1 - Trichloroethane	ND	1.0
107-06-2	1,2 - Dichloroethane	ND	1.0
563-58-6	1,1 - Dichloropropene	ND	1.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.0
71-43-2	Benzene	ND	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.0
79-00-5	1,1,2 - Trichloroethane	ND	1.0
108-88-3	Toluene	ND	1.0
106-93-4	1,2 - Dibromoethane	ND	1.0
142-28-9	1,3 - Dichloropropane	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	ND	1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
100-42-5	Styrene (Ethenylbenzene)	ND	1.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.0
96-18-4	1,2,3 - Trichloropropane	ND	1.0

ND - Analyte not detected at stated limit of detection

EPA METHOD 8260

Client:	**Western Water Consultants**	Date Sampled:	N/A
Sample ID:	Method Blank	Date Analyzed:	07/30/97
Laboratory ID:	MB0730D	Date Reported:	August 12, 1997

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m^3)	LIMIT OF DETECTION (mg/m^3)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	ND	1.0
95-49-8	2 - Chlorotoluene	ND	1.0
106-43-4	4 - Chlorotoluene	ND	1.0
108-67-8	1,3,5 - Trimethylbenzene	ND	1.0
98-06-6	tert - Butylbenzene	ND	1.0
95-63-6	1,2,4 - Trimethylbenzene	ND	1.0
135-98-8	sec - Butylbenzene	ND	1.0
541-73-1	1,3 - Dichlorobenzene	ND	1.0
106-46-7	1,4 - Dichlorobenzene	ND	1.0
99-87-6	4-Isopropyltoluene (1-Methyl-4-(1-methyl)-benzene)	ND	1.0
95-50-1	1,2 - Dichlorobenzene	ND	1.0
104-51-8	n - Butylbenzene	ND	1.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.0
91-20-3	Naphthalene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	1.0
87-61-6	1,2 3 - Trichlorobenzene	ND	1.0

ND - Analyte not detected at stated limit of detection

Runtime Quality Assurance Report

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	954552	940049	102%	50 - 200 %
Fluorobenzene	1790916	1717058	104%	50 - 200 %
1,4 - Difluorobenzene	1720128	1650598	104%	50 - 200 %
Chlorobenzene - d5	1219708	1211735	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	487534	504616	96.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.43	94.3%	86 - 118 %
Toluene - d8	9.70	97.0%	88 - 110 %
4 - Bromofluorobenzene	9.44	94.4%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.89	98.9%	80 - 120 %

REFERENCES

Method 8260: Volatile Organics by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Technique
Test Methods for Evaluating Solid Waste, SW-846, Third Edition, USEPA, November 1990

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Analyst yw
Reviewed sec

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EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client:	Western Water Consultants	Date Sampled:	07/29/97
Sample Set:	C97-41725 through C97-41726	Date Received:	07/30/97
Laboratory ID:	C97-41725 S	Date Analyzed:	07/30/97
Matrix:	Air / Water	Date Reported:	August 12, 1997

INTERNAL STANDARDS

	ICAL / CCAL AREA	SPIKED SAMPLE AREA	%	SPIKE DUPLICATE AREA	%	ACCEPTANCE RANGE
Pentafluorobenzene	940049	902122	96.0%	881925	93.8%	50 - 200 %
Fluorobenzene	1717058	1797585	105%	1731666	101%	50 - 200 %
1,4 - Difluorobenzene	1650598	1650910	100%	1614379	97.8%	50 - 200 %
Chlorobenzene - d5	1211735	1255491	104%	1204177	99.4%	50 - 200 %
1,4 - Dichlorobenzene-d4	504616	525793	104%	500325	99.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.97	99.7%	9.93	99.3%	86 - 118 %
Toluene - d8	10.3	103%	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.76	97.6%	9.74	97.4%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.77	97.7%	9.77	97.7%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (mg/m^3)	SPIKE AMOUNT (mg/m^3)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	8.40	ND	10.0	84.0%	80 - 120 %
Chloroform	8.92	ND	10.0	89.2%	80 - 120 %
1,2 - Dichloroethane	8.90	ND	10.0	89.0%	80 - 120 %
Carbon tetrachloride	9.09	ND	10.0	90.9%	80 - 120 %
Benzene	8.67	ND	10.0	86.7%	80 - 120 %
Trichloroethene	9.08	ND	10.0	90.8%	80 - 120 %
Tetrachloroethene	8.96	0.06	10.0	89.0%	80 - 120 %
Chlorobenzene	9.40	ND	10.0	94.0%	80 - 120 %
1,4 - Dichlorobenzene	9.41	ND	10.0	94.1%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP CONCENTRATION	ORIG. CONC. (mg/m^3)	SPIKE (mg/m^3)	PERCENT RECOVERY	RPD	RPD LIMITS
Vinyl chloride	8.48	ND	10.0	84.8%	1.0%	10 %
Chloroform	9.15	ND	10.0	91.5%	2.6%	10 %
1,2 - Dichloroethane	9.18	ND	10.0	91.8%	3.1%	10 %
Carbon tetrachloride	9.52	ND	10.0	95.2%	4.7%	10 %
Benzene	8.86	ND	10.0	88.6%	2.2%	10 %
Trichloroethene	9.33	ND	10.0	93.3%	2.8%	10 %
Tetrachloroethene	9.27	0.06	10.0	92.1%	3.5%	10 %
Chlorobenzene	9.81	ND	10.0	98.1%	4.4%	10 %
1,4 - Dichlorobenzene	10.0	ND	10.0	100%	6.7%	10 %

MATRIX SPIKE: 0 of 18 Matrix Spike results are outside of established QC Limits
MATRIX SPIKE DUPLICATE: 0 of 9 Matrix Spike Duplicate results are outside of established QC Limits

Report Approved by: _____

Analyst: yw
Reviewed: sec

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Western Water Consultants, Inc.

CHAIN OF CUSTODY RECORD
AND SAMPLING SHIPPING PAPERS

PROJECT NO. PROJECT NAME: 90-125L.1

SAMPLERS: (signature) Kevin Mattson

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	SAMPLE TYPE	NO. OF CONTAINERS	CONTAINER TYPE: 1 liter plastic	REMARKS
90125-MS.7/97	7/29/97	0945		X	aw	1		Analyze all samples by EPA Method 8260.
90125-WB.7/97	"	1000		X	"	1		
								Samples shipped w/o ice via UPS Overnight to Energy Labs (Casper)

Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received by: (signature)
Kevin Mattson	7/29/97 1115				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time	Received for Laboratory by: (signature)
				7-30-97 10:36	Chuck Peterson

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REMARKS: If there are any questions contact Kevin Mattson at (307) 742-0091.