

GW - 73

MONITORING REPORTS

DATE:

2004-2000

Table 1 - Static Water Level Elevation Data

Hobbs Facility
GW-073

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
		01/16/01		75.04	3562.22	-1.00
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
		01/16/01		77.24	3561.04	-0.36
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11

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Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-4 (Cont.)		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
		01/16/01		76.76	3562.44	-0.24
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
		01/16/01		76.04	3561.66	-0.36
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
		01/16/01		77.00	3560.52	-0.36
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26
		01/25/00		76.23	3562.39	-0.29

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-7 (Cont.)		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
		01/16/01		77.55	3561.07	-0.39
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37
		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.80	3561.91	-0.32
		01/16/01		77.18	3561.53	-0.38
MW-9	3638.76	01/22/97	85	72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
		01/16/01		77.03	3561.73	-0.41
MW-10	3638.86	05/27/97	130.5	73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28
		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34
		01/16/01		77.34	3561.52	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
		01/16/01		74.88	3563.67	-0.44
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
		01/16/01		72	3564.15	-0.54
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
	3634.76	10/20/99		73.88	3561.51	0.29
		01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
		01/16/01		75.33	3559.43	-0.38
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17
		07/16/98		75.98	3561.21	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
W-14 (Cont.)		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
		01/16/01		78.91	3558.28	-0.40
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31
		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
		01/16/01		76.27	3560.30	-0.42
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31
		01/16/01		79.83	3557.86	-0.34

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	0.000	0.000	0.015
	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.008
Abandoned															
MW-2	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.012	0.044	ND(0.002)	0.014	0.000	0.134	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.015	0.044	ND(0.002)	0.024	0.000	0.135	0.353
	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.030	0.247	ND(0.005)	0.058	0.000	0.193	0.648
Duplicate	01/22/97	0.019	0.009	0.014	0.016	0.082	ND(0.005)	0.011	0.011	0.083	ND(0.005)	0.017	0.000	0.058	0.193
	05/23/97	0.009	0.004	0.003	0.005	0.039	ND(0.001)	0.007	0.007	0.057	ND(0.001)	0.014	0.000	0.021	0.117
	06/25/97	0.011	0.005	0.007	0.007	0.050	ND(0.002)	0.009	0.009	0.180	ND(0.002)	0.027	0.000	0.030	0.806
Duplicate	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.004	0.097	ND(0.002)	0.011	0.000	0.007	0.143
	10/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.002	0.023	ND(0.002)	0.012	0.000	0.005	0.049
	01/06/98	0.004	0.002	0.001	0.001	0.023	ND(0.002)	0.008	0.008	0.043	ND(0.002)	0.007	0.000	0.008	0.075
Duplicate	04/16/98	0.010	0.002	0.002	0.001	0.053	ND(0.001)	0.008	0.008	0.130	ND(0.002)	0.058	0.000	0.013	0.249
	04/16/98	0.010	0.002	0.002	0.001	0.058	ND(0.001)	0.008	0.008	0.142	ND(0.001)	0.064	0.000	0.010	0.272
	07/17/98	0.001	0.001	0.001	0.001	0.006	ND(0.002)	0.001	0.001	0.013	ND(0.002)	0.034	0.000	0.001	0.054
Duplicate	10/27/98	0.002	0.001	0.001	0.001	0.018	ND(0.002)	0.003	0.003	0.011	ND(0.002)	0.018	0.000	0.002	0.052
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.035	0.000	0.000	0.060
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.037	ND(0.001)	0.005	0.005	0.007	ND(0.001)	0.094	0.000	0.000	0.057
Duplicate	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	0.002	0.007	ND(0.001)	0.021	0.000	0.000	0.144
	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	0.001	0.001	0.007	ND(0.001)	0.021	0.000	0.000	0.034
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.003	0.003	0.007	ND(0.001)	0.041	0.000	0.000	0.028
Duplicate	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	0.001	0.001	0.007	ND(0.001)	0.023	0.000	0.000	0.057
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.000	0.032
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	0.011
MW-3	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.004
	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.007	0.007	ND(0.002)	0.012	0.000	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.007	0.028	ND(0.002)	0.019	0.000	0.000	0.071
Duplicate	01/22/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.026	0.001	0.015	0.015	0.014	ND(0.002)	0.016	0.000	0.000	0.067
	05/22/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.033	0.002	0.012	0.012	0.015	ND(0.001)	0.016	0.000	0.002	0.073
	07/28/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.008	0.008	ND(0.002)	0.012	0.000	0.003	0.087
Duplicate	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.014	0.014	0.031	ND(0.002)	0.026	0.000	0.001	0.063
	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.030	ND(0.002)	0.015	0.015	0.012	ND(0.002)	0.025	0.000	0.000	0.103
	04/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.034	ND(0.002)	0.015	0.015	0.013	0.003	0.026	0.000	0.002	0.084
Duplicate	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.035	ND(0.002)	0.012	0.012	0.005	0.002	0.016	0.000	0.002	0.091
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.025	ND(0.002)	0.023	0.023	ND(0.001)	ND(0.001)	0.020	0.000	0.004	0.070
	01/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.026	ND(0.001)	0.020	0.020	ND(0.001)	ND(0.001)	0.017	ND(0.001)	0.004	0.068
MW-4	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	0.051	0.498	0.498	1.040	0.005	2.590	0.000	0.000	4.294
	11/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.110	ND(0.005)	0.623	0.623	0.941	ND(0.005)	3.526	0.000	0.000	5.200
	01/22/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.106	0.042	0.694	0.694	1.080	ND(0.005)	3.980	0.000	0.000	5.902
Duplicate	05/23/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.089	0.037	0.509	0.509	0.557	ND(0.005)	1.720	0.000	0.000	4.292
	06/25/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.062	0.022	0.423	0.423	0.550	ND(0.001)	1.250	0.000	0.000	2.777
	07/28/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.047	0.017	0.175	0.175	0.332	ND(0.002)	1.190	0.000	0.000	1.838
Duplicate	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.037	0.015	0.124	0.124	0.267	ND(0.002)	1.060	0.000	0.000	1.750
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.021	0.011	0.103	0.103	0.225	ND(0.002)	1.170	0.000	0.000	1.503
	04/16/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.021	0.006	0.087	0.087	0.148	ND(0.002)	0.970	0.000	0.000	1.540
Duplicate	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.005)	0.116	0.116	0.138	ND(0.001)	0.907	0.000	0.000	1.228
	10/27/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.031	ND(0.001)	0.206	0.206	0.114	ND(0.005)	0.651	0.000	0.000	1.148
	02/10/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.037	ND(0.005)	0.201	0.201	0.216	ND(0.002)	1.120	0.000	0.000	0.900
Duplicate	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.001)	0.118	0.118	0.209	ND(0.005)	1.080	0.000	0.000	1.551
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.001)	0.151	0.151	0.090	ND(0.001)	0.511	0.000	0.000	1.521
	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.014	ND(0.001)	0.081	0.081	0.166	ND(0.001)	0.875	0.000	0.000	0.738
Duplicate	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.004	0.084	0.084	0.058	ND(0.001)	0.396	0.000	0.000	0.523
	04/18/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.059	0.027	0.084	0.084	0.055	ND(0.001)	0.350	0.000	0.000	0.508
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.013	ND(0.001)	0.149	0.149	0.155	ND(0.001)	0.977	0.000	0.000	1.367
STL Duplicate	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.016	ND(0.0025)	0.041	0.041	0.030	ND(0.001)	0.249	0.000	0.000	0.336
	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.011	ND(0.0025)	0.038	0.038	0.036	ND(0.001)	0.282	0.000	0.000	0.387
	07/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.324
Duplicate	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.235
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.229
	07/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.157
Duplicate	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.070
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.053
	07/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.028	0.028	0.021	ND(0.0025)	0.252	0.000	0.000	0.049

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-5 Duplicate	01/23/97	0.018	0.004	ND(0.001)	0.001	0.180	0.002	0.020	0.004	0.036	0.001	0.012		0.023	0.251
	01/23/97	0.018	0.004	ND(0.001)	0.001	0.190	0.002	0.016	0.004	0.034	0.001	0.009		0.023	0.254
Duplicate	05/23/97	0.029	ND(0.002)	ND(0.002)	ND(0.004)	0.191	0.003	0.055	0.003	0.059	0.002	0.079		0.029	0.389
	07/28/97	0.051	0.023	ND(0.002)	0.007	0.241	0.004	0.072	0.004	0.051	0.002	0.058		0.081	0.428
Duplicate	10/16/97	0.052	0.023	ND(0.005)	0.008	0.258	0.004	0.069	0.004	0.050	ND(0.005)	0.070		0.082	0.433
	01/06/98	0.059	0.027	ND(0.01)	0.008	0.214	0.004	0.066	0.004	0.039	ND(0.01)	0.070		0.094	0.393
Duplicate	04/16/98	0.048	0.016	ND(0.01)	0.006	0.215	0.004	0.060	0.004	0.029	ND(0.01)	0.055		0.070	0.363
	07/17/98	0.025	0.007	ND(0.005)	0.007	0.136	0.002	0.033	0.002	0.008	ND(0.005)	0.031		0.045	0.210
Duplicate	10/27/98	ND(0.01)	ND(0.01)	ND(0.01)	0.001	0.106	0.002	0.042	0.002	0.016	ND(0.01)	0.033		0.000	0.171
	10/27/98	0.011	0.002	ND(0.002)	ND(0.002)	0.080	ND(0.002)	0.011	ND(0.002)	0.002	ND(0.002)	0.011		0.013	0.077
Duplicate	10/20/99	0.027	0.009	ND(0.002)	ND(0.005)	0.113	ND(0.002)	0.022	ND(0.002)	0.004	ND(0.002)	0.005	ND(0.001)	0.036	0.140
	10/16/00	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	0.011
MW-5	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.041	0.001	0.004	0.001	0.004	ND(0.001)	0.003		0.001	0.053
	05/22/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.085	0.002	0.034	0.002	0.017	0.002	0.023		0.004	0.163
Duplicate	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.081	0.002	0.027	0.002	0.008	0.002	0.021		0.003	0.141
	10/16/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.082	0.002	0.025	0.002	0.006	0.002	0.019		0.003	0.136
Duplicate	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.113	0.003	0.038	0.003	0.012	0.002	0.024		0.003	0.192
	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.088	0.003	0.027	0.003	0.008	0.002	0.017		0.002	0.145
Duplicate	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.091	0.004	0.051	0.004	0.008	0.002	0.032		0.002	0.202
	10/26/98	0.011	0.002	ND(0.01)	0.002	0.055	ND(0.01)	0.011	ND(0.01)	ND(0.01)	ND(0.01)	0.011		0.013	0.077
Duplicate	02/10/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.113	0.005	0.056	0.005	0.016	0.003	0.039		0.003	0.232
	04/21/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.133	0.006	0.061	0.006	0.023	0.003	0.047		0.003	0.273
Duplicate	07/13/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.108	0.004	0.068	0.004	0.021	ND(0.002)	0.062		0.003	0.263
	10/20/99	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.066	0.003	0.058	0.003	0.032	ND(0.002)	0.046		0.002	0.205
Duplicate	01/25/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.093	0.003	0.049	0.003	0.015	ND(0.002)	0.048		0.002	0.208
	04/18/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.082	ND(0.002)	0.036	ND(0.002)	0.009	ND(0.002)	0.033		0.000	0.160
Duplicate	07/25/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.057	ND(0.002)	0.028	0.004	0.010	ND(0.001)	0.030	ND(0.001)	0.004	0.090
	10/16/00	0.002	ND(0.001)	0.002	ND(0.001)	0.024	0.003	0.015	0.004	0.014	ND(0.001)	0.027	ND(0.001)	0.004	0.145
Duplicate	01/16/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.001)	0.061	0.005	0.035	0.004	0.013	ND(0.002)	0.033	ND(0.002)	0.000	0.146
	01/16/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.063	ND(0.002)	0.035	0.004	0.011	ND(0.002)	0.033	ND(0.002)	0.000	0.146
MW-7	01/23/97	0.001	ND(0.001)	ND(0.001)	0.001	0.047	0.001	0.009	0.001	ND(0.001)	0.004	0.014		0.002	0.075
	05/22/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.087	0.002	0.066	0.002	0.022	0.014	0.116		0.003	0.287
Duplicate	07/28/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.073	0.002	0.061	0.002	ND(0.002)	0.021	0.110		0.004	0.267
	10/16/97	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.050	0.004	ND(0.005)	0.018	0.091		0.003	0.224
Duplicate	01/06/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.076	ND(0.005)	0.054	0.004	ND(0.005)	0.018	0.111		0.003	0.259
	04/16/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.055	ND(0.005)	0.035	0.004	ND(0.005)	0.020	0.078		0.003	0.188
Duplicate	07/17/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.038	0.004	ND(0.005)	0.024	0.073		0.003	0.200
	10/26/98	0.002	ND(0.005)	ND(0.005)	ND(0.01)	0.047	ND(0.005)	0.030	0.004	ND(0.005)	0.019	0.073		0.003	0.169
Duplicate	02/10/99	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.050	ND(0.001)	0.032	0.004	0.002	0.014	0.066		0.002	0.164
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.047	ND(0.001)	0.029	0.004	0.002	0.011	0.071		0.000	0.160
Duplicate	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.034	ND(0.001)	0.027	0.004	ND(0.001)	0.007	0.086		0.000	0.134
	10/20/99	ND(0.001)	ND(0.001)	0.002	ND(0.002)	0.046	ND(0.001)	0.035	0.004	ND(0.001)	0.006	0.081		0.002	0.168
Duplicate	01/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.025	ND(0.002)	0.020	0.004	ND(0.002)	0.003	0.061		0.000	0.109
	04/18/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.022	ND(0.002)	0.020	0.004	ND(0.002)	0.003	0.069		0.000	0.114
Duplicate	07/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.007)	0.030	ND(0.002)	0.026	0.004	ND(0.002)	0.003	0.081		0.000	0.140
	10/16/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.036	ND(0.002)	0.030	ND(0.002)	ND(0.002)	0.003	0.090	ND(0.002)	0.000	0.159
Duplicate	01/16/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.030	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.003	0.086	ND(0.002)	0.000	0.140
	01/16/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.030	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.003	0.086	ND(0.002)	0.000	0.140
MW-8	01/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.068	0.005	0.280	0.005	0.460	ND(0.01)	0.810		0.000	1.623
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.082	ND(0.01)	1.360	ND(0.01)	0.805	ND(0.01)	4.150		0.000	6.397
Duplicate	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.071	ND(0.02)	0.975	ND(0.02)	0.774	ND(0.02)	3.600		0.000	5.426
	07/28/97	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.071	ND(0.1)	1.120	ND(0.1)	0.798	ND(0.1)	4.520		0.000	6.438
Duplicate	10/16/97	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.071	ND(0.2)	0.658	ND(0.2)	0.596	ND(0.2)	4.570		0.000	6.024
	01/06/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.071	ND(0.2)	1.230	ND(0.2)	0.798	ND(0.2)	4.650		0.000	6.678
Duplicate	04/16/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.071	ND(0.2)	1.050	ND(0.2)	0.658	ND(0.2)	4.620		0.000	6.328
	07/17/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.060	ND(0.2)	1.200	ND(0.2)	0.740	ND(0.2)	5.090		0.000	7.030
Duplicate	10/27/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.060	ND(0.2)	1.200	ND(0.2)	0.522	ND(0.2)	4.160		0.000	5.522
	02/10/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.083	ND(0.025)	0.936	ND(0.025)	0.569	ND(0.025)	3.870		0.000	5.458
Duplicate	04/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.080	ND(0.025)	0.808	ND(0.025)	0.600	ND(0.025)	3.900		0.000	5.388
	07/13/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.058	ND(0.025)	0.634	ND(0.025)	0.341	ND(0.025)	2.970		0.000	4.003
Duplicate	10/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.081	ND(0.025)	0.857	ND(0.025)	0.447	ND(0.025)	3.610		0.000	4.995
	01/25/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.076	ND(0.025)	0.687	ND(0.025)	0.349	ND(0.025)	3.190		0.000	4.302
Duplicate	04/18/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.412	ND(0.01)	0.219	ND(0.01)	2.420		0.000	3.104
	07/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.03)	0.053	ND(0.01)	0.422	ND(0.01)	0.238	ND(0.01)	2.500		0.000	2.800
Duplicate	10/16/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.085	ND(0.01)	0.546	ND(0.01)	0.300	ND(0.01)	2.500		0.000	3.500
	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.094	ND(0.01)	0.512	ND(0.01)	0.317	ND(0.01)	3.340	ND(0.01)	0.000	6.728
Duplicate	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.094	ND(0.01)	0.512	ND(0.01)	0.353	ND(0.01)	3.340	ND(0.01)	0.000	4.299
	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.094	ND(0.01)	0.512	ND(0.01)	0.353	ND(0.01)	3.340	ND(0.01)	0.000	4.299

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-9	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063	ND(0.001)	0.045	ND(0.001)	0.090		0.000	0.209
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.322	ND(0.01)	0.147	ND(0.01)	1.550		0.000	2.045
Duplicate	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.02)	0.326	ND(0.02)	ND(0.02)	ND(0.02)	1.130		0.000	1.499
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.278	ND(0.02)	0.121	ND(0.02)	1.020		0.000	1.489
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.02)	0.278	ND(0.02)	0.104	ND(0.02)	1.160		0.000	1.561
	04/16/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.033	ND(0.01)	0.321	ND(0.01)	0.141	ND(0.01)	1.160		0.000	1.645
	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.02)	0.029	ND(0.05)	0.444	ND(0.05)	0.174	ND(0.05)	1.350		0.000	2.059
	07/17/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.042	ND(0.1)	0.690	ND(0.1)	0.242	ND(0.1)	1.290		0.000	1.907
	10/27/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.030	ND(0.1)	0.507	ND(0.1)	0.193	ND(0.1)	1.770		0.000	2.744
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.487	ND(0.01)	0.159	ND(0.01)	1.400		0.000	2.077
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.368	ND(0.01)	0.161	ND(0.01)	1.320		0.000	1.875
	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.01)	0.353	ND(0.01)	0.110	ND(0.01)	1.100		0.000	1.584
Duplicate	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.018	ND(0.01)	0.261	ND(0.01)	0.085	ND(0.01)	1.090		0.000	1.454
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.145	ND(0.01)	0.048	ND(0.01)	0.556		0.000	0.762
	04/18/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.05)	0.008	ND(0.025)	0.046	ND(0.025)	0.015	ND(0.025)	0.235		0.000	0.302
	07/25/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.05)	ND(0.001)	ND(0.025)	0.012	ND(0.001)	0.006	ND(0.001)	0.027		0.001	0.246
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.022	ND(0.001)	0.000	0.036
	05/26/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.007	ND(0.002)	ND(0.002)	0.001	0.026		0.004	0.038
	05/26/97	0.007	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.001	0.001	0.028		0.007	0.037
	07/28/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.009	ND(0.002)	0.002	ND(0.002)	0.014		0.002	0.028
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008		0.001	0.010
Duplicate	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008		0.001	0.010
	07/17/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002		0.002	0.002
	10/26/98	0.001	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)	0.002		0.003	0.002
	10/26/98	0.001	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)	0.002		0.001	0.000
	10/18/99	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)	0.001		0.001	0.000
	10/18/99	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)	0.001		0.001	0.000
	10/16/00	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.002	0.000
	05/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002		0.003	0.010
	07/28/97	0.003	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)	0.010		0.010	0.000
	10/16/97	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006		0.006	0.000
Duplicate	04/16/98	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)	0.005		0.005	0.000
	07/17/98	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004		0.004	0.000
	10/26/98	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)	0.003		0.003	0.000
	10/18/99	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)	0.002		0.002	0.000
	10/18/99	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)	0.001		0.001	0.000
	10/16/00	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001		0.001	0.000
	05/25/97	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)	0.001		0.014	0.001
	07/28/97	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)	0.001		0.000	0.000
	10/16/97	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)	0.001		0.000	0.000
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002		0.000	0.000
Duplicate	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001		0.000	0.000
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001		0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001		0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001		0.000	0.000
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.005
	05/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002		0.003	0.003
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.010		0.000	0.023
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.009		0.000	0.022
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.015	ND(0.002)	0.001	ND(0.002)	0.013		0.000	0.029
	07/17/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017	ND(0.002)	0.002	ND(0.002)	0.011		0.000	0.025
Duplicate	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.016	ND(0.002)	0.002	ND(0.002)	0.011		0.000	0.030
	10/18/99	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	ND(0.002)	0.003	ND(0.002)	0.016		0.000	0.029
	10/18/99	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	ND(0.002)	0.002	ND(0.002)	0.016		0.000	0.037
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002		0.000	0.041
	05/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.016	ND(0.001)	0.002	ND(0.001)	0.014		0.000	0.033
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017	ND(0.001)	0.002	ND(0.001)	0.018		0.000	0.037
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.012		0.000	0.025
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.018	ND(0.002)	0.002	ND(0.002)	0.015		0.000	0.035
	07/17/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.022	ND(0.002)	0.002	ND(0.002)	0.021		0.000	0.047
	10/26/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.025	ND(0.001)	0.002	ND(0.001)	0.027		0.000	0.055
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.023	ND(0.001)	0.002	ND(0.001)	0.026		0.000	0.050
Duplicate	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.027	ND(0.001)	0.002	ND(0.001)	0.024		0.000	0.050
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.024	ND(0.001)	0.002	ND(0.001)	0.055	ND(0.001)	0.001	0.083
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.019	ND(0.001)	0.002	ND(0.001)	0.020	ND(0.001)	0.000	0.042

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-14	05/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/16/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
Duplicate	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	01/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
STL Duplicate	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	07/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-15	05/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	01/06/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/16/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/21/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
*SO4	05/25/97	ND(0.01)	0.469	0.470	1.935	0.021	ND(0.01)	0.024	ND(0.01)	0.005	ND(0.01)	ND(0.01)	ND(0.01)	2.875	0.050
	07/28/97	ND(0.02)	0.411	0.138	0.905	0.020	ND(0.02)	0.020	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	1.454	0.040
	01/16/97	ND(0.02)	0.322	0.039	0.713	0.078	ND(0.02)	0.022	ND(0.02)	0.014	ND(0.02)	0.004	ND(0.02)	1.074	0.040
	01/06/98	0.002	0.042	0.001	0.019	0.051	ND(0.005)	0.075	ND(0.005)	0.015	ND(0.005)	0.005	0.005	0.064	0.144
	04/16/98	0.002	0.008	ND(0.005)	ND(0.01)	0.049	ND(0.005)	0.087	ND(0.005)	0.015	ND(0.005)	0.005	0.005	0.010	0.156
	07/17/98	ND(0.005)	0.016	ND(0.002)	ND(0.004)	0.038	ND(0.005)	0.075	ND(0.005)	0.015	ND(0.005)	0.005	0.005	0.016	0.133
	02/10/99	0.001	0.013	ND(0.001)	ND(0.002)	0.010	ND(0.002)	0.024	ND(0.002)	0.005	ND(0.002)	0.002	0.002	0.041	0.041
	04/21/99	ND(0.001)	0.006	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.079	ND(0.001)	0.016	ND(0.001)	0.005	0.005	0.014	0.125
	07/12/99	ND(0.005)	0.003	ND(0.002)	ND(0.005)	0.021	ND(0.002)	0.089	ND(0.002)	0.026	ND(0.002)	0.006	0.006	0.006	0.146
	10/21/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025	ND(0.005)	0.096	ND(0.005)	0.021	ND(0.005)	0.008	0.008	0.003	0.146
	01/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	ND(0.005)	0.073	ND(0.005)	0.012	ND(0.005)	0.005	0.005	0.003	0.115
	04/18/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.086	ND(0.005)	0.013	ND(0.005)	0.007	0.007	0.000	0.164
	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.056	ND(0.005)	0.008	ND(0.005)	0.006	0.006	0.000	0.160
STL Duplicate	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.102	ND(0.005)	0.060	ND(0.005)	0.003	ND(0.005)	0.003	ND(0.005)	0.000	0.116
	01/16/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.120	ND(0.005)	0.097	ND(0.005)	0.003	ND(0.005)	0.003	ND(0.005)	0.000	0.800
	01/16/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.077	ND(0.005)	0.014	ND(0.005)	0.003	ND(0.005)	0.000	0.219
										0.012	ND(0.005)	0.003	ND(0.005)	0.000	0.174

Notes

Only commonly detected compounds are listed. Other compounds that have been detected infrequently are included in the laboratory reports.

ND - Not Detected at detection limit shown in parentheses.

italicized value - is below the method detection limit.

< - analyte detected above the method detection limit but table is reported only to 1 part per billion

*SO4 = Shell Service Station monitoring well MW-4

1,1-DCA - 1,1-Dichloroethane

1,2-DCE - 1,2-Dichloroethane

PCE - Tetrachloroethane

TCA - 1,1,1-Trichloroethane

TCE - Trichloroethene

STL - Duplicate samples sent to STL, Corpus Christi, Texas

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER LAGOON																		
Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Ethyl-			Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	Vinyl Chloride (mg/m3)			PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
				Toluene (mg/m3)	Benzene (mg/m3)	Xylene (mg/m3)					1,1,1-TCA (mg/m3)	Chloride (mg/m3)	TCE (mg/m3)					
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35		29.80	0.487		20.7			36.5					
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	111.2	46.2	48.3	ND(0.2)	ND(0.2)	450	ND(0.2)	1.23	135	425.8		680.73	
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.83			0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	ND(0.2)	ND(0.2)	216.6	ND(0.2)	1.3	19	136.1		296	
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	ND(0.2)	35.7	ND(0.2)	3.7	1.9			57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	ND(0.2)	ND(0.2)	283	ND(0.2)	2.73	111.8	245.2		489.03	
Unit 1 Output 9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	ND(0.2)	6		13.4			21.4
Unit 1 Output 9/95-2		Exhaust 2	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.3			0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01		0		
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0			15.3
93007-WatPInput	04/11/96	Input	ND(0.2)	114	19.1	81.5	9.7	11.4	ND(0.2)	ND(0.2)	116	ND(0.2)	ND(0.2)	120	214.6		257.1	
93007-WatPExh.4/96		Exhaust	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	ND(0.2)	1.2	ND(0.2)	0.5	1			5.8
93007-WPINPUT 7/96	07/23/96	Input	2.8	49.5	2.6	11.2	6.9	6.1	ND(0.5)	64.6	ND(0.5)	0.7	ND(0.3)	0.6	66.1		95.9	
93007-WPEXHST.7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	ND(0.3)	0.7	ND(0.3)	0.9	0			3.7
WP-INPUT-10/96	10/24/96	Input	2.07	44	12.1	77.1	4.9	ND(0.2)	ND(0.2)	ND(0.2)	74.4	ND(0.2)	1.02	51.9	135.27		132.22	
WP-OUTPUT-10/96		Exhaust	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	3.02	ND(0.2)	ND(0.2)	2.97	ND(0.2)	0.832	1.02			6.822
93-007-WP-INP.5/97	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	125	ND(5.0)	ND(5.0)	66.3	230.3	159.7	
93007-WP.10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	125	ND(5.0)	ND(5.0)	81	277.6	220.45	
93007-WP.1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	125	ND(2.0)	ND(2.0)	68.4	189.42	206.8	
93007-WP.4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	175	ND(5.0)	ND(5.0)	117	219.8	364.8	
93007-WP.7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	175	ND(0.10)	ND(0.10)	105	202.3	280	
93007-WP.10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	78.1	ND(2.5)	ND(2.5)	50.5	167.28	132.95	
93007-WP.11/98	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	72.7	ND(10.0)	ND(10.0)	121	364.5	193.7	
93007-WP.2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	43.9	ND(2.5)	ND(2.5)	87.3	385.95	131.2	
93007-WP.4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	28.1	ND(2.5)	ND(2.5)	51.6	172.7	79.7	
93007-WP.7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	14.5	ND(2.5)	ND(2.5)	40	136.1	54.5	
93007-WP.10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	9.35	ND(2.5)	ND(2.5)	34.9	101.9	44.25	
93007-WP.1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	6.9	ND(2.5)	ND(2.5)	34.6	91.6	41.5	
93007-WP.4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	5	ND(5.0)	ND(5.0)	26.2	62.65	31.2	
93007-WP.7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	3.25	ND(2.5)	ND(2.5)	18.1	34.65	21.35	
93007-WP.10/00	10/16/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	2.85	ND(2.5)	ND(2.5)	22	82.35	24.85	
93007-WP.1/01	01/16/01	Input	ND(1.0)	8.08	5.94	36.7	ND(1.0)	ND(1.0)	ND(1.0)	2.36	ND(1.0)	2.36	ND(1.0)	ND(1.0)	31.33	50.72	33.69	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

ACID PLANT

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl- Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 2	11/02/94	Pilot	4.5	23.2	11.4	46.18	1.52	1.53	ND(0.2)	3.39	ND(0.2)	ND(0.2)	30.5	89.41		13.35	
Unit 2 (7/95) Input	07/13/95	Input	3.13	27.2	12.9	46.18	1.52	1.53	ND(0.2)	3.39	ND(0.2)	ND(0.2)	30.5	89.41		13.35	
Unit 2 (7/95) Exhaust		Exhaust	ND(0.2)	0.26	ND(0.2)	1.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.76		0
Unit 2 (8/95) Input	08/12/95	Input	1.42	24.8	10.4	48.5	5.1	1.6	ND(0.2)	7	ND(0.2)	ND(0.2)	8.9	85.12		22.6	
Unit 2 (8/95) Exhaust		Exhaust	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.5		0
Unit 2 Output 9/95	09/07/95	Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ACDKINPT 4/96	04/11/96	Input	0.7	17.7	5.6	30.3	1.9	0.6	ND(0.2)	5.5	ND(0.2)	0.3	19	54.3		27.3	
93007-ACDKExh 4/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007ADINPT 7/96	07/23/96	Input	ND(0.3)	1	ND(0.3)	1.1	0.8	ND(0.3)	ND(0.5)	0.9	ND(0.5)	ND(0.3)	1.6	2.1		3.3	
93007ADEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.3)		0		0
AD-INPT-10/96	10/24/96	Input	0.61	4.51	0.88	5.62	1.69	0.55	ND(0.2)	1.48	ND(0.2)	ND(0.2)	3.33	11.62		7.05	
AD-OUTPUT-10/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.477	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0.477
93007-AD-INP-1/97	01/21/97	Input	ND(1.0)	5.67	ND(1.0)	2.38	ND(1.0)	ND(1.0)	ND(1.0)	1.34	ND(1.0)	ND(1.0)	8.86	8.05		10.2	
93007-AD-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		0		0
93-007 AD-INP 5/97	05/13/97	Input	ND(1.0)	4.06	ND(1.0)	3.88	2.19	ND(1.0)	ND(1.0)	2.09	ND(1.0)	ND(1.0)	10.3	7.94		14.58	
93007-AD 10/97	10/14/97	Input	ND(1.0)	1.31	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)				
93007-AD 1/98	01/06/98	Input	ND(1.0)	6.4	2.46	16.36	ND(1.0)	ND(1.0)	ND(1.0)	3.98	ND(1.0)	ND(1.0)	1.74	1.31		1.74	
93007-AD 4/98	04/28/98	Input	ND(1.0)	ND(1.0)	ND(1.0)	0.75J	ND(1.0)	ND(1.0)	ND(1.0)	0.56J	ND(1.0)	ND(1.0)	7.29	25.22		11.27	
93007-AD 7/98	07/16/98	Input	ND(1.0)	2.08	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.68J	ND(1.0)	ND(1.0)	1.4	0		1.4	
93007-AD 1/98	11/12/98	Input	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)	2.26	2.08		2.26	
93007-AD 2/99	02/10/99	Input	ND(0.5)	2.38	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.63	2.38		0.63	
93007-AD 4/99	04/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(2.0)	ND(0.5)	ND(1.0)	ND(1.0)	0		0	
93007-AD 7/99	07/12/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 10/99	10/21/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/00	01/25/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 4/00	04/17/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 7/00	07/25/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 10/00	10/16/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/01	01/16/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

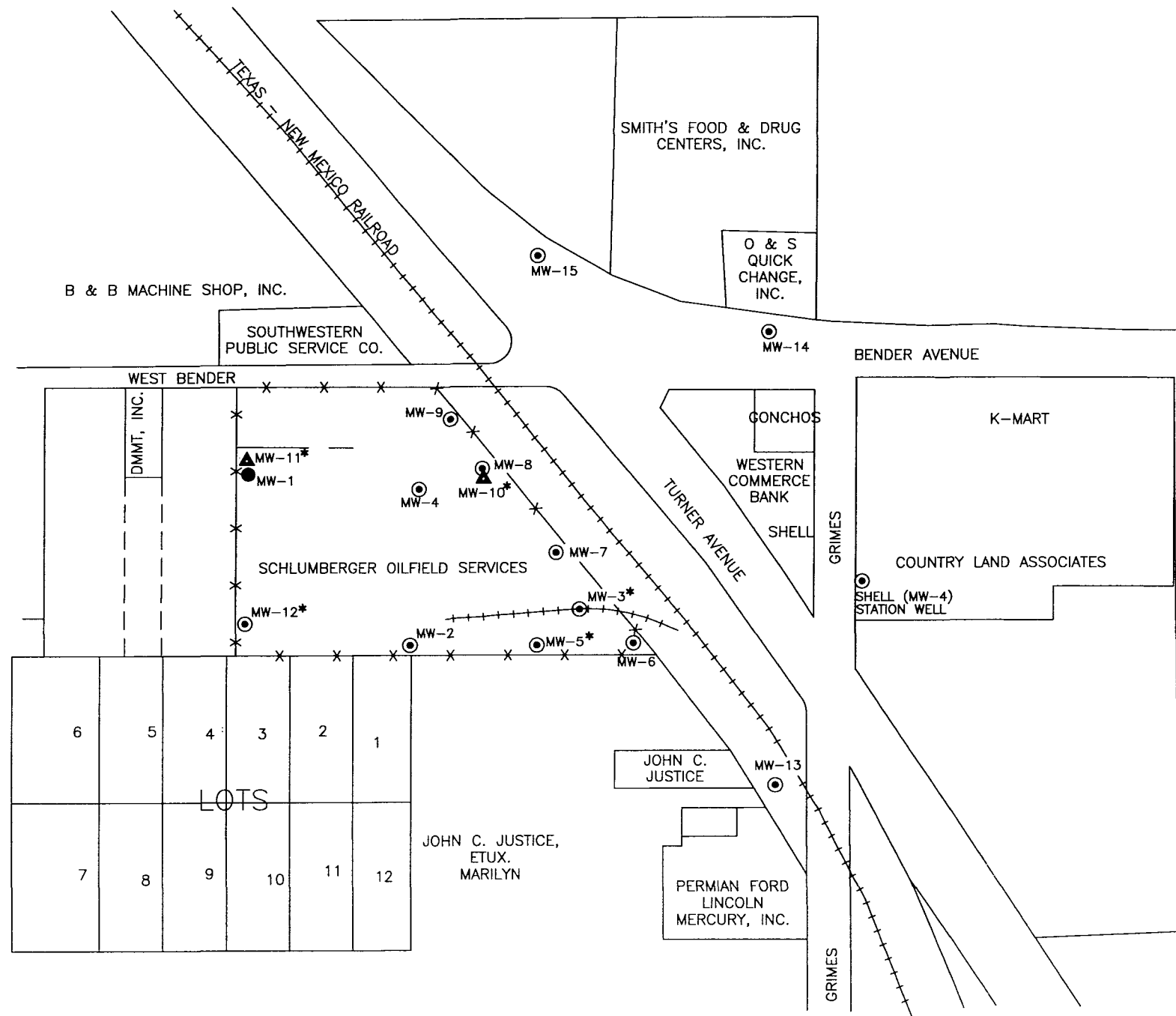
Sample I.D.	Date Sampled	Sample Location	Ethyl- Total					FORMER UST										Vinyl		Input		Output	
			Benzene (mg/m3)	Toluene (mg/m3)	Benzene (mg/m3)	Xylene (mg/m3)	Ylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)					
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5			ND(0.1)	ND(0.1)	ND(0.1)			ND(0.1)		0.49								
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.17	6.64	281	10.9	ND(0.2)	ND(0.2)			215	ND(0.2)	2.68	870	15.84	1379.58					
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	7.88	0.27	ND(0.2)	ND(0.2)	17.2			ND(0.2)	0.87	ND(0.2)	2.76		21.1					
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	15.6	ND(0.2)	ND(0.2)			579	ND(0.2)	2.1	636	8.1	1738.7					
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	2.8	ND(0.2)	48	ND(0.2)			ND(0.2)	35	0.8	21.5		108.1					
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	593.4	13.3	ND(0.2)	ND(0.2)			492	ND(0.2)	2	444.4	0	1545.1					
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	56.2	ND(0.2)	ND(0.2)	ND(0.2)			31.9	ND(0.2)	0.9	81.4		170.4					
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	13	ND(0.2)			ND(0.2)	35.6	ND(0.2)	9.7	1.01	58.3					
Unit 3 Output		After Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)			ND(0.2)	10.5	ND(0.2)	14.5		41.21					
93007-TKShpInpt	04/11/96	Input	ND(0.2)	0.9	0.5	3.4	99.4	ND(0.2)	ND(0.2)	ND(0.2)			254	ND(0.2)	1	611	4.8	965.4					
93007-TKShpExh 4/96		Exhaust	0.6	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)			ND(0.2)	6.8	0.4	8.5		26.7					
93007TSINP.UT 7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	47.1	4.8	ND(0.5)	ND(0.5)			ND(0.3)	ND(0.5)	0.5	46.2	0	98.6					
93007TSEXHST 7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.3)			ND(0.3)	2.2	ND(0.3)	2.8		12.9					
UST-INPUT-10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	ND(0.2)			97.7	ND(0.2)	ND(0.2)	179	1.95	338.67					
UST-OUTPUT-10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	4.66	ND(0.2)	ND(0.2)			ND(0.2)	2.59	ND(0.2)	1.62		8.87					
93007-UST-INP-1/97	1/21/97	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	30	2.8	ND(1.0)	ND(1.0)			63.3	ND(1.0)	0.58J	205	0	301.1					
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	ND(1.0)	ND(1.0)			ND(1.0)	ND(1.0)	ND(1.0)	6.19		8.69					
93-007-UST-INP 5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	21.3J	ND(25.0)	ND(25.0)	ND(25.0)			41.8	ND(25.0)	ND(25.0)	155	0	196.8					
93007-UST 1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3.85J	ND(5.0)	ND(5.0)	ND(5.0)			8.25	ND(5.0)	ND(5.0)	102	0	110.25					
93007-UST 4/98	04/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	ND(5.0)			4.15J	ND(5.0)	ND(5.0)	121		121					
93007-UST 10/98	10/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)			2.80J	ND(5.0)	ND(5.0)	104	0	104					
93007-UST 2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)			ND(5.0)	ND(2.5)	ND(2.5)	46.8	0	46.8					
93007-UST 4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)			ND(5.0)	ND(2.5)	ND(2.5)	37.9	0	37.9					
93007-UST 7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)			ND(5.0)	ND(2.5)	ND(2.5)	36.6	0	36.6					
93007-UST 10/99	10/21/99	Input	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(2.0)	ND(1.0)	ND(1.0)	37	0	37					
93007-UST 1/00	01/25/00	Input	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(2.0)	ND(1.0)	ND(1.0)	27.6	0	27.6					
93007-UST 4/00	04/17/00	Input	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(2.0)	ND(1.0)	ND(1.0)	36.2	0	36.2					
93007-UST 7/00	07/25/00	Input	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(2.0)	ND(1.0)	ND(1.0)	41.9	0	41.9					
93007-UST 10/00	10/16/00	Input	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(2.0)	ND(1.0)	ND(1.0)	29.4	0	29.4					
93007-UST 1/01	01/16/01	Input	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)	48.4	0	48.4					

Notes: mg/m3 = milligrams per cubic meter

ND=Not Detected at detection limit shown in parentheses.

DCA=Dichloroethane

DCE= Dichloroethene



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

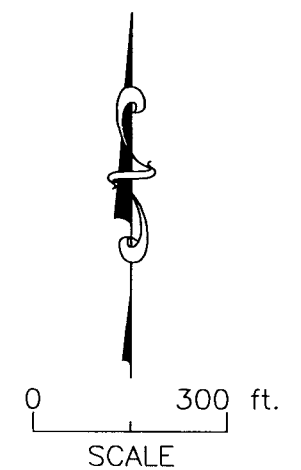


FIGURE 1

MONITORING WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WwC Engineering
Civil Environmental Mining Water Resources

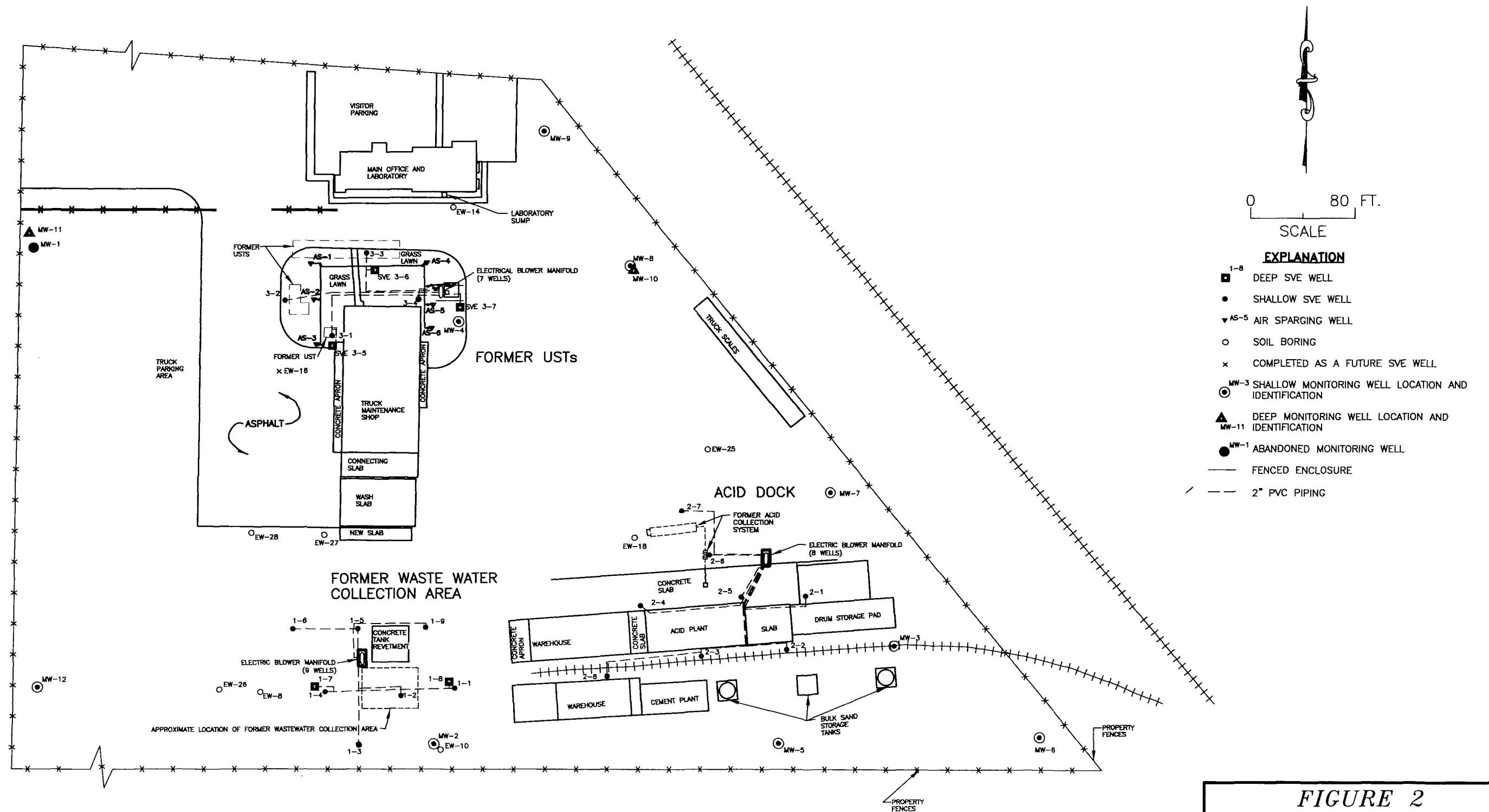
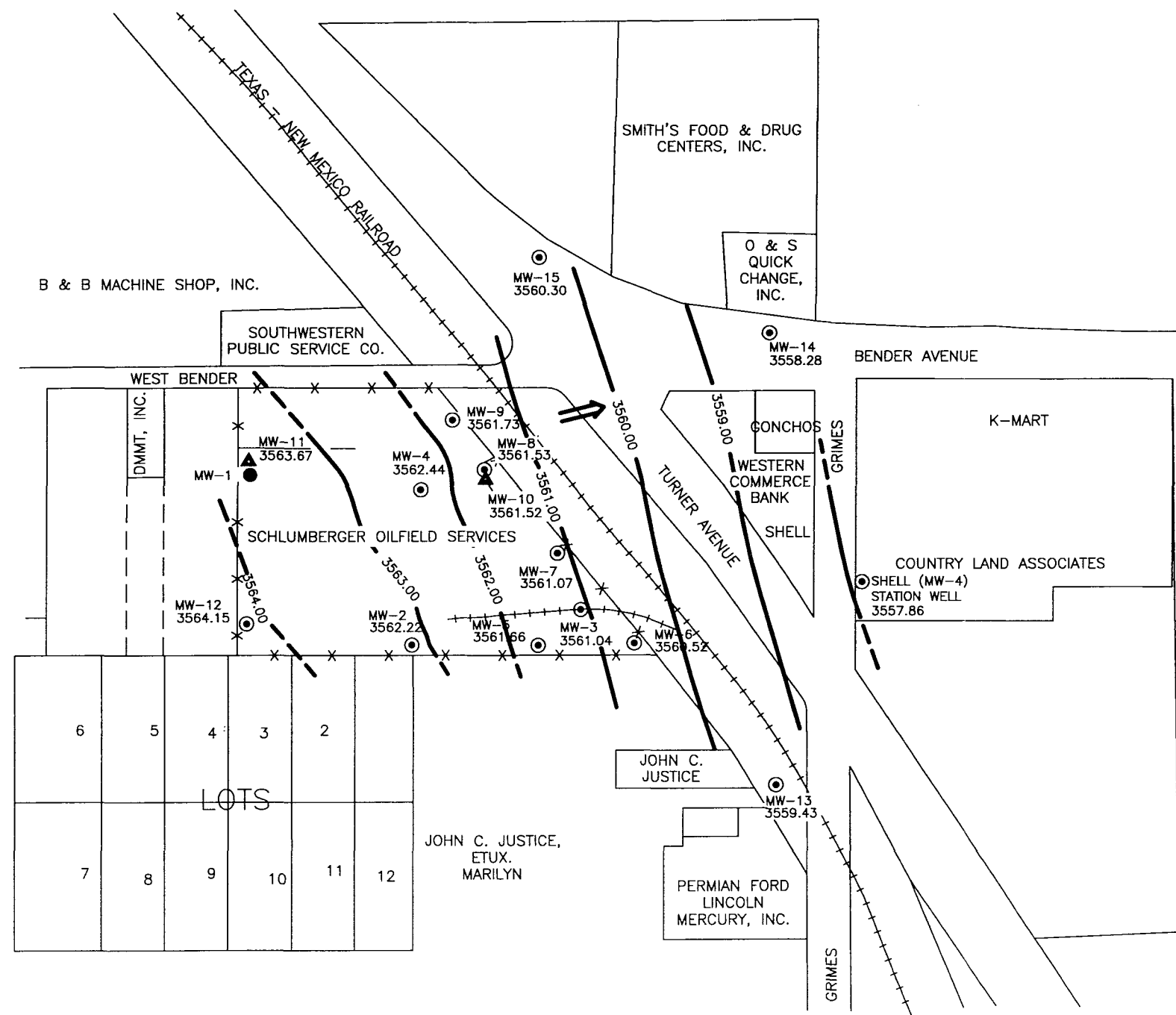


FIGURE 2
SITE MAP AND
MONITORING AND REMEDIATION
WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM



EXPLANATION

- MW-14 3560.62 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 3566.33 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 ——— POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- ⇐ GROUND-WATER FLOW DIRECTION

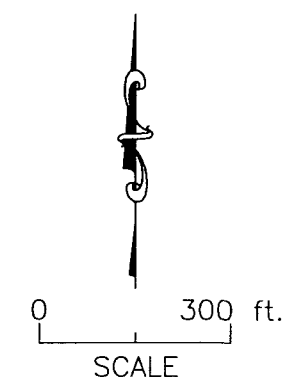
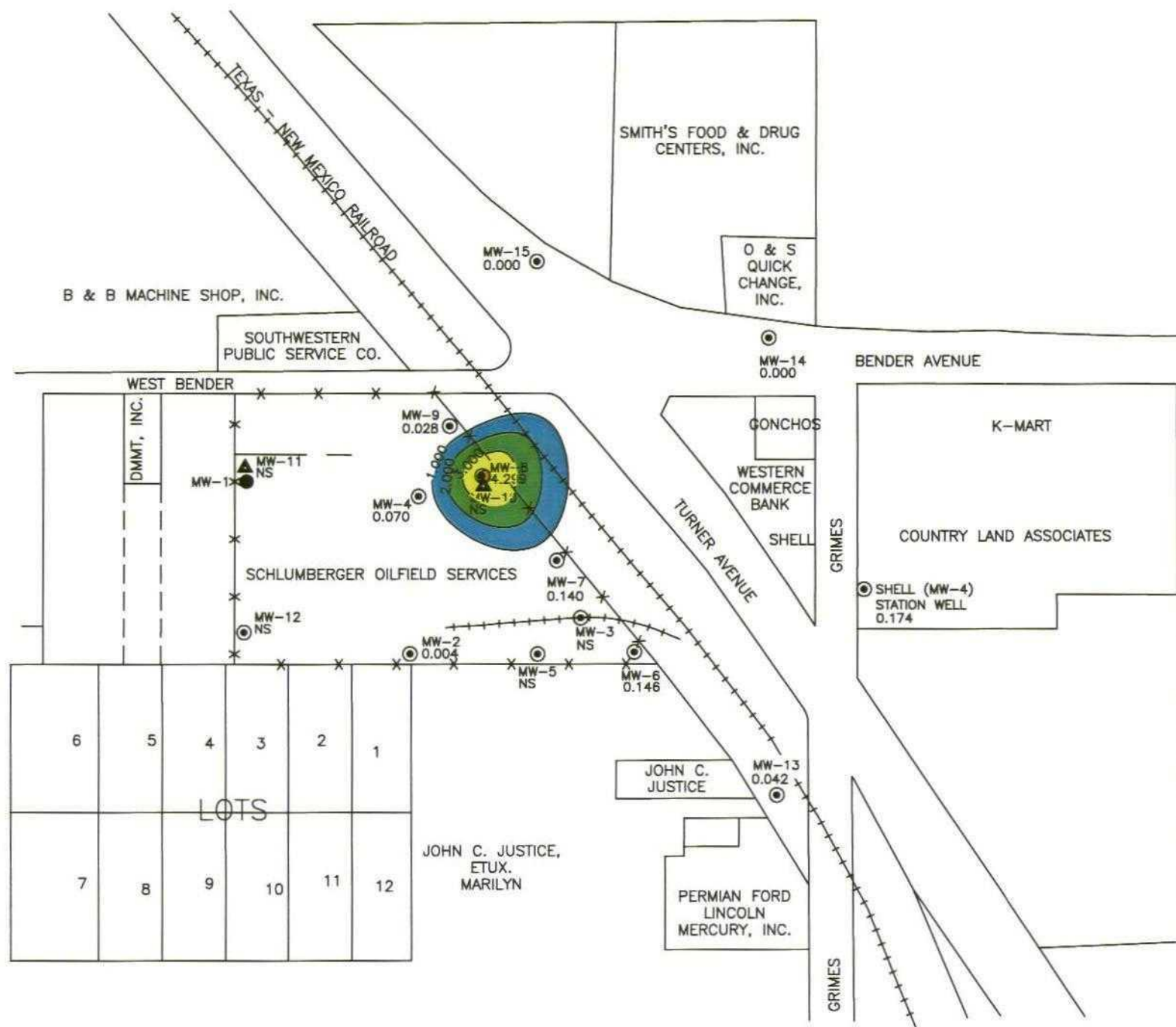


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(01/16/01)

SCHLUMBERGER OILFIELD SERVICES
HOBBBS, NM



Civil Environmental Mining Water Resources



EXPLANATION

- MW-8 3.500 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 NS ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00 TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

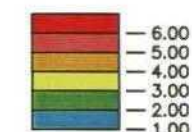
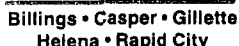


FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(01/16/01)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWC Engineering
Civil Environmental Mining Water Resources

LABORATORY ANALYTICAL DATA



PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

Client:	Western Water Consultants	Date Sampled:	01-16-01
Project:	WWC-93007	Time Sampled:	15:00
Sample ID:	93007-2.1/01	Date/Time Received:	01-17-01 10:00
Laboratory ID:	01-30368-10	Date Analyzed:	01-22-01
Matrix:	Liquid - WATER	Date Reported:	January 30, 2001
Dilution Factor:	2		

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	1.02	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	2.54	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

DATE _____ TIME _____

BY _____

COMPLETE ANALYTICAL SERVICES

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 93007-2.1/01
Laboratory ID: 01-30368-10

Date/Time Sampled: 01-16-01 15:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

<i>C.A.S. #</i>	<i>TARGET COMPOUNDS</i>	<i>CONCENTRATION (µg/L)</i>	<i>REPORT LIMIT (µg/L)</i>
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	ICAL / CCAL		PERCENT	ACCEPTANCE
	AREA	AREA	RECOVERY	RANGE
Pentafluorobenzene	1068550	1353973	78.9%	50 - 200 %
Fluorobenzene	1790162	2175058	82.3%	50 - 200 %
1,4 - Difluorobenzene	1529407	1848041	82.8%	50 - 200 %
Chlorobenzene - d5	1071372	1337902	80.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	429551	609769	70.4%	50 - 200 %

<u>SYSTEM MONITORING COMPOUNDS</u>	<u>CONCENTRATION</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Dibromofluoromethane	9.69	96.9%	86 - 118 %
Toluene - d8	9.83	98.3%	88 - 110 %
4 - Bromofluorobenzene	9.10	91.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.93	99.3%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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MAILING: P.O. BOX 3258 • CASPER, WY 82602

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-4.1/01
Laboratory ID: 01-30368-9
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 01-16-01
Time Sampled: 14:30
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	8.10	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	4.90	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	4.15	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	3.15	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	52.6	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-4.1/01
Laboratory ID: 01-30368-9

Date/Time Sampled: 01-16-01 14:30
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1108627	1353973	81.9%	50 - 200 %
Fluorobenzene	1841203	2175058	84.7%	50 - 200 %
1,4 - Difluorobenzene	1584675	1848041	85.7%	50 - 200 %
Chlorobenzene - d5	1095144	1337902	81.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	444062	609769	72.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.70	97.0%	86 - 118 %
Toluene - d8	9.71	97.1%	88 - 110 %
4 - Bromofluorobenzene	9.10	91.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.78	97.8%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

7-11-01 10:10:10
1-1-01 10:10:10



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-6.1/01
Laboratory ID: 01-30368-5
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 01-16-01
Time Sampled: 11:45
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	35.3	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	63.0	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	4.15	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	5.85	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	10.7	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	32.7	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-6.1/01
Laboratory ID: 01-30368-5

Date/Time Sampled: 01-16-01 11:45
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2 3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1164833	1353973	86.0%	50 - 200 %
Fluorobenzene	1917303	2175058	88.1%	50 - 200 %
1,4 - Difluorobenzene	1627150	1848041	88.0%	50 - 200 %
Chlorobenzene - d5	1146638	1337902	85.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	461340	609769	75.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.56	95.6%	86 - 118 %
Toluene - d8	9.77	97.7%	88 - 110 %
4 - Bromofluorobenzene	9.15	91.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.89	98.9%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-7.1/01
Laboratory ID: 01-30368-6
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 01-16-01
Time Sampled: 13:00
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	21.4	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	30.2	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	ND	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	3.00	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	86.4	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-7.1/01
Laboratory ID: 01-30368-6

Date/Time Sampled: 01-16-01 13:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2 3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1133736	1353973	83.7%	50 - 200 %
Fluorobenzene	1898374	2175058	87.3%	50 - 200 %
1,4 - Difluorobenzene	1637223	1848041	88.6%	50 - 200 %
Chlorobenzene - d5	1144832	1337902	85.6%	50 - 200 %
1,4 - Dichlorobenzene - d4	465241	609769	76.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.84	98.4%	86 - 118 %
Toluene - d8	9.68	96.8%	88 - 110 %
4 - Bromofluorobenzene	9.27	92.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.93	99.3%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-8.1/01
Laboratory ID: 01-30368-7
Matrix: Liquid - WATER
Dilution Factor: 20

Date Sampled: 01-16-01
Time Sampled: 13:30
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION ($\mu\text{g/L}$)	REPORT LIMIT ($\mu\text{g/L}$)
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	512	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	94.0	10.0
78-93-3	2 -Butanone (MEK)	ND	200
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	23.4	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	353	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	3,340	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

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-8.1/01
Laboratory ID: 01-30368-7

Date/Time Sampled: 01-16-01 13:30
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (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	1140836	1353973	84.3 %	50 - 200 %
Fluorobenzene	1891158	2175058	86.9 %	50 - 200 %
1,4 - Difluorobenzene	1638621	1848041	88.7 %	50 - 200 %
Chlorobenzene - d5	1140035	1337902	85.2 %	50 - 200 %
1,4 - Dichlorobenzene - d4	462289	609769	75.8 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.66	96.6 %	86 - 118 %
Toluene - d8	9.67	96.7 %	88 - 110 %
4 - Bromofluorobenzene	9.09	90.9 %	86 - 115 %
1,2 - Dichlorobenzene - d4	9.79	97.9 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-9.1/01
Laboratory ID: 01-30368-8
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 01-16-01
Time Sampled: 14:00
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION ($\mu\text{g/L}$)	REPORT LIMIT ($\mu\text{g/L}$)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	4.80	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	1.40	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	22.4	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 93007-9.1/01
Laboratory ID: 01-30368-8

Date/Time Sampled: 01-16-01 14:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

<u>INTERNAL STANDARDS</u>	<u>AREA</u>	<u>ICAL / CCAL AREA</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Pentafluorobenzene	1104238	1353973	81.6%	50 - 200 %
Fluorobenzene	1830529	2175058	84.2%	50 - 200 %
1,4 - Difluorobenzene	1587317	1848041	85.9%	50 - 200 %
Chlorobenzene - d5	1099503	1337902	82.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	440950	609769	72.3%	50 - 200 %

<u>SYSTEM MONITORING COMPOUNDS</u>	<u>CONCENTRATION</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Dibromofluoromethane	9.64	96.4%	86 - 118 %
Toluene - d8	9.71	97.1%	88 - 110 %
4 - Bromofluorobenzene	9.26	92.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.99	99.9%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-13.1/01
Laboratory ID: 01-30368-4
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 01-16-01
Time Sampled: 11:00
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	18.6	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	1.26	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	1.52	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	19.7	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: **Western Water Consultants**
Sample ID: 93007-13.1/01
Laboratory ID: 01-30368-4

Date/Time Sampled: 01-16-01 11:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

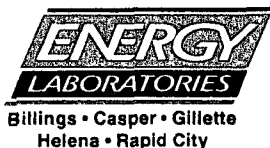
RUNTIME QUALITY ASSURANCE REPORT

<u>INTERNAL STANDARDS</u>		<u>ICAL / CCAL</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Pentafluorobenzene	1208174	1353973	89.2%	50 - 200 %
Fluorobenzene	1986989	2175058	91.4%	50 - 200 %
1,4 - Difluorobenzene	1696709	1848041	91.8%	50 - 200 %
Chlorobenzene - d5	1195537	1337902	89.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	490857	609769	80.5%	50 - 200 %

<u>SYSTEM MONITORING COMPOUNDS</u>	<u>CONCENTRATION</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Dibromofluoromethane	9.49	94.9%	86 - 118 %
Toluene - d8	9.75	97.5%	88 - 110 %
4 - Bromofluorobenzene	9.25	92.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.91	99.1%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
 Project: WWC-93007
 Sample ID: 93007-14.1/01
 Laboratory ID: 01-30368-1
 Matrix: Liquid - WATER
 Dilution Factor: 2

Date Sampled: 01-16-01
 Time Sampled: 09:00
 Date/Time Received: 01-17-01 10:00
 Date Analyzed: 01-22-01
 Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-14.1/01
Laboratory ID: 01-30368-1

Date/Time Sampled: 01-16-01 09:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1308009	1353973	96.6%	50 - 200 %
Fluorobenzene	2117600	2175058	97.4%	50 - 200 %
1,4 - Difluorobenzene	1831884	1848041	99.1%	50 - 200 %
Chlorobenzene - d5	1275751	1337902	95.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	536114	609769	87.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.45	94.5%	86 - 118 %
Toluene - d8	9.67	96.7%	88 - 110 %
4 - Bromofluorobenzene	9.46	94.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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ENERGY LABORATORIES, INC.

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client:	Western Water Consultants	Date Sampled:	01-16-01
Project:	WWC-93007	Time Sampled:	09:30
Sample ID:	93007-15.1/01	Date/Time Received:	01-17-01 10:00
Laboratory ID:	01-30368-2	Date Analyzed:	01-22-01
Matrix:	Liquid - WATER	Date Reported:	January 30, 2001
Dilution Factor:	2		

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

LABORATORY NO.

DATE



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-15.1/01
Laboratory ID: 01-30368-2

Date/Time Sampled: 01-16-01 09:30
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

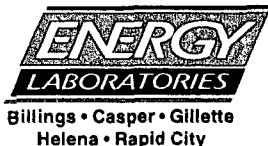
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1272713	1353973	94.0%	50 - 200 %
Fluorobenzene	2062374	2175058	94.8%	50 - 200 %
1,4 - Difluorobenzene	1758291	1848041	95.1%	50 - 200 %
Chlorobenzene - d5	1251399	1337902	93.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	514586	609769	84.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.30	93.0%	86 - 118 %
Toluene - d8	9.78	97.8%	88 - 110 %
4 - Bromofluorobenzene	9.22	92.2%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.87	98.7%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client:	Western Water Consultants	Date Sampled:	01-16-01
Project:	WWC-93007	Time Sampled:	10:00
Sample ID:	93007-S04.1/01	Date/Time Received:	01-17-01 10:00
Laboratory ID:	01-30368-3	Date Analyzed:	01-22-01
Matrix:	Liquid - WATER	Date Reported:	January 30, 2001
Dilution Factor:	5		

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	77.4	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	85.4	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	12.1	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	ND	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	ND	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-S04.1/01
Laboratory ID: 01-30368-3

Date/Time Sampled: 01-16-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1243892	1353973	91.9%	50 - 200 %
Fluorobenzene	2020046	2175058	92.9%	50 - 200 %
1,4 - Difluorobenzene	1739147	1848041	94.1%	50 - 200 %
Chlorobenzene - d5	1222145	1337902	91.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	504513	609769	82.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.35	93.5%	86 - 118 %
Toluene - d8	9.79	97.9%	88 - 110 %
4 - Bromofluorobenzene	9.26	92.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.83	98.3%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-A.1/01
Laboratory ID: 01-30368-11
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 01-16-01
Time Sampled: 12:30
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	7.76	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	5.06	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	1.72	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	4.02	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	3.08	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	48.5	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-A.1/01
Laboratory ID: 01-30368-11

Date/Time Sampled: 01-16-01 12:30
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1115982	1353973	82.4 %	50 - 200 %
Fluorobenzene	1838144	2175058	84.5 %	50 - 200 %
1,4 - Difluorobenzene	1593044	1848041	86.2 %	50 - 200 %
Chlorobenzene - d5	1114359	1337902	83.3 %	50 - 200 %
1,4 - Dichlorobenzene - d4	444909	609769	73.0 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.58	95.8 %	86 - 118 %
Toluene - d8	9.61	96.1 %	88 - 110 %
4 - Bromofluorobenzene	9.23	92.3 %	86 - 115 %
1,2 - Dichlorobenzene - d4	9.68	96.8 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

TRANS. NO. 10000
DATE: 01-22-01



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: TRIP BLANK
Laboratory ID: 01-30368-12
Matrix: Liquid - WATER
Dilution Factor: 1

Date Sampled: 12-26-00
Time Sampled: 15:00
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION ($\mu\text{g/L}$)	REPORT LIMIT ($\mu\text{g/L}$)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: TRIP BLANK
Laboratory ID: 01-30368-12

Date/Time Sampled: 12-26-00 15:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1100863	1353973	81.3 %	50 - 200 %
Fluorobenzene	1833502	2175058	84.3 %	50 - 200 %
1,4 - Difluorobenzene	1564460	1848041	84.7 %	50 - 200 %
Chlorobenzene - d5	1103162	1337902	82.5 %	50 - 200 %
1,4 - Dichlorobenzene - d4	445170	609769	73.0 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.80	98.0 %	86 - 118 %
Toluene - d8	9.79	97.9 %	88 - 110 %
4 - Bromofluorobenzene	9.09	90.9 %	86 - 115 %
1,2 - Dichlorobenzene - d4	9.85	98.5 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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ENERGY LABORATORIES, INC.

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

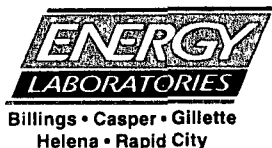
Client: Western Water Consultants
Project: WWC-93007
Sample ID: Method Blank
Laboratory ID: MB0122
Matrix: Liquid - WATER
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date/Time Received: 10-27-00 17:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION ($\mu\text{g/L}$)	REPORTING LIMIT ($\mu\text{g/L}$)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



ENERGY LABORATORIES, INC.

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260 QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 01-30368-1 through 01-30368-12
Laboratory ID: 00-30368-1 MS&MSD
Matrix: Liquid - WATER

Date Sampled: 01-16-01
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-22-01
Date Reported: January 30, 2001

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	1353973	1197265	88.4%	1197819	88.5%	50 - 200 %
Fluorobenzene	2175058	1983251	91.2%	1976443	90.9%	50 - 200 %
1,4 - Difluorobenzene	1848041	1696711	91.8%	1689787	91.4%	50 - 200 %
Chlorobenzene - d5	1337902	1190482	89.0%	1175635	87.9%	50 - 200 %
1,4 - Dichlorobenzene-d4	609769	489437	80.3%	474081	77.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	9.67	96.7%	9.51	95.1%	86 - 118 %
Toluene - d8	9.53	95.3%	9.62	96.2%	88 - 110 %
4 - Bromofluorobenzene	9.16	91.6%	9.21	92.1%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.69	96.9%	10.1	101%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(µg/L) *	(µg/L)	RECOVERY	RANGE
Vinyl chloride	9.44	ND	10.0	94.4%	80 - 120 %
1,1 - Dichloroethene	9.72	ND	10.0	97.2%	80 - 120 %
2 - Butanone (MEK)	8.14	ND	10.0	81.4%	80 - 120 %
Chloroform	10.4	ND	10.0	104%	80 - 120 %
1,2 - Dichloroethane	9.98	ND	10.0	99.8%	80 - 120 %
Carbon tetrachloride	11.1	ND	10.0	111%	80 - 120 %
Benzene	10.4	ND	10.0	104%	80 - 120 %
Trichloroethene	10.8	ND	10.0	108%	80 - 120 %
Tetrachloroethene	11.4	ND	10.0	114%	80 - 120 %
Chlorobenzene	11.0	ND	10.0	110%	80 - 120 %
1,4 - Dichlorobenzene	11.2	ND	10.0	112%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD	RPD
	CONCENTRATION	(µg/L) *	(µg/L)	RECOVERY	RPD	LIMITS
Vinyl chloride	9.51	ND	10.0	95.1%	0.7%	10 %
1,1 - Dichloroethene	9.81	ND	10.0	98.1%	0.9%	10 %
2 - Butanone (MEK)	8.23	ND	10.0	82.3%	1.1%	10 %
Chloroform	10.7	ND	10.0	107%	3.0%	10 %
1,2 - Dichloroethane	10.4	ND	10.0	104%	4.6%	10 %
Carbon tetrachloride	11.2	ND	10.0	112%	1.2%	10 %
Benzene	10.7	ND	10.0	107%	0.0%	10 %
Trichloroethene	11.1	ND	10.0	111%	2.9%	10 %
Tetrachloroethene	11.7	ND	10.0	117%	2.9%	10 %
Chlorobenzene	11.5	ND	10.0	115%	4.9%	10 %
1,4 - Dichlorobenzene	11.7	ND	10.0	117%	3.9%	10 %

* Concentration does not include dilution correction

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

see: r:\reports\clients\2001\western water consultants\30368-1-12 8260b std l-w.xls

Analyst: wen

COMPLETE ANALYTICAL SERVICES



PLEASE PRINT OR TYPE ALL
INFORMATION EXCEPT SIGNATURES

Received Date: _____ Cust. No.: _____ Yes/No
Login Date: _____ Custody Seal: Yes/No
Shipped by: WDS Intact: Yes/No
Shipping Bill #: _____ Signature Match?: Yes/No
Code Six: _____ If no - Reason: _____

For Lab Use Only

500

BILLINGS, MT P.O. Box 40916 (59107) 1120 South 27th (59101) 406-253-6669 406-253-6825 406-253-4189		CASPER, WY P.O. Box 3258 (82002) 2303 Salt Creek Highway (82001) 307-245-0669 307-245-0515 307-244-1639		GILLETTE, WY 1105 West First Street (82716) 307-686-7175 307-682-4625		*HELENA, MT P.O. Box 5688 (59604) 2704 Billings Ave. (59601) 406-442-0711 307-682-4625		RAPID CITY, SD P.O. Box 2470 (57709) 610 Farwood (57701) 605-342-1225 605-342-1225 605-342-1397		
P.O. #	Project Name / Address	Contact Name & Phone	Sampler's Signature	DATE	TIME	Invoice to:	Report to:	Sample Type: A W S V U O Air Water Soils/Solids Vegetation Urine Other	Analysis Requested	Comments, Special Instructions, etc.
93007.1	WWC - 93007	Rick Dewell (307)742-0031	Rh D-11	11/6/01	09:00	WWC 611 SKYLINE RD USRAMIE, WY 82070	SAME	3W	EPA 8260	
2				09:30	93007 - 14.1/01			X		
3				10:00	93007 - 15.1/01					
4				11:00	93007 - 504.1/01					
5				11:15	93007 - 13.1/01					
6				13:00	93007 - 6.1/01					
7				13:30	93007 - 7.1/01					
8				14:00	93007 - 8.1/01					
9				14:30	93007 - 9.1/01					
10				15:00	93007 - 4.1/01					
11				15:00	93007 - 2.1/01					



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INFORMATION EXCEPT SIGNATURES

Received Date: _____ Cust. No.: _____
Login Date: _____ Yes/No
Shipped by: _____ Yes/No
Shipping Bill #: _____ Yes/No
Code Six: _____ Signature Match?: _____
If no - Reason: _____

For Lab Use Only

[illegible]

Energy Laboratories, Inc.
SAMPLE CONDITION REPORT

This report provides information about the condition of the sample(s), and associated sample custody information on receipt at the laboratory.

Client: Western Water Consultants

Description: WATER

Lab ID(s): 01-30368-1 Thru 01-30368-13

Matrix: Liquid, Misc

Delivered by: UPS Date&Time Rec'd: 17-JAN-01 1000

Date&Time Col'd: 16-JAN-01 0900

Received by: T. Fassett

Logged In by: Linda Spicer

Chain of custody form completed & signed:	Yes	Comments:
Chain of custody seal:	No	Comments:
Chain of custody seal intact:	N/A	Comments:
Signature match, chain of custody vs. seal:	N/A	Comments:
Sample received Temperature:	5C	Comments:
Samples received within holding time:	Yes	Comments:
Samples received in proper containers:	Yes	Comments:
Samples Properly Preserved:	Yes	Comments:

Bottle Types Received: 34-40ML VOA NF HCL(ABC)

Comments:

17 JAN 2001 10:00

REPORT PACKAGE SUMMARY - FINAL PAGE

Acronyms and Definitions

ELI-B Energy Laboratories, Inc. - Billings, Montana
ELI-G Energy Laboratories, Inc. - Gillette, Wyoming
ELI-H Energy Laboratories, Inc. - Helena, Montana
ELI-R Energy Laboratories, Inc. - Rapid City, South Dakota

co - Carry over from previous sample
ip - Insufficient parameters
N/A - Not Applicable
NA - Not Analyzed
ND - Analyte Not Detected at Stated Limit of Detection
NR - Analyte Not Requested
NST - No Sample Time Given
NSD - No Sample Date Given

This Package Contains the following Client ID(s) and Lab ID(s)

Client ID: 1ZE818322710070629 is associated to Lab ID: 01-30368-13
Client ID: 93007-13.1/01 is associated to Lab ID: 01-30368-4
Client ID: 93007-14.1/01 is associated to Lab ID: 01-30368-1
Client ID: 93007-15.1/01 is associated to Lab ID: 01-30368-2
Client ID: 93007-2.1/01 is associated to Lab ID: 01-30368-10
Client ID: 93007-4.1/01 is associated to Lab ID: 01-30368-9
Client ID: 93007-6.1/01 is associated to Lab ID: 01-30368-5
Client ID: 93007-7.1/01 is associated to Lab ID: 01-30368-6
Client ID: 93007-8.1/01 is associated to Lab ID: 01-30368-7
Client ID: 93007-9.1/01 is associated to Lab ID: 01-30368-8
Client ID: 93007-A.1/01 is associated to Lab ID: 01-30368-11
Client ID: 93007-S04.1/01 is associated to Lab ID: 01-30368-3
Client ID: TRIP BLANK is associated to Lab ID: 01-30368-12

Approved By: *[Signature]*

Reviewed By:

This is the last page of the Laboratory Analysis Report.
Additional QC is available upon request.
The report contains the number of pages indicated by the last 4 digits.

LABORATORY ID: 01-30368-13

REPORT ID: 01-30368-13

REPORT PACKAGE SUMMARY - FINAL PAGE

Acronyms and Definitions

ELI-B Energy Laboratories, Inc. - Billings, Montana
ELI-G Energy Laboratories, Inc. - Gillette, Wyoming
ELI-H Energy Laboratories, Inc. - Helena, Montana
ELI-R Energy Laboratories, Inc. - Rapid City, South Dakota

co - Carry over from previous sample
ip - Insufficient parameters
N/A - Not Applicable
NA - Not Analyzed
ND - Analyte Not Detected at Stated Limit of Detection
NR - Analyte Not Requested
NST - No Sample Time Given
NSD - No Sample Date Given

This Package Contains the following Client ID(s) and Lab ID(s)

Client ID: 1ZE818322710070718 is associated to Lab ID: 01-30352-4
Client ID: 93007-AD.1/01 is associated to Lab ID: 01-30352-2
Client ID: 93007-UST.1/01 is associated to Lab ID: 01-30352-3
Client ID: 93007-WP.1/01 is associated to Lab ID: 01-30352-1

Approved By: *[Signature]*

Reviewed By:

This is the last page of the Laboratory Analysis Report.
Additional QC is available upon request.
The report contains the number of pages indicated by the last 4 digits.

TRACKING PAGE NO.
01-30352-1



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-WP.1/01
Laboratory ID: 01-30352-1
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: 01-16-01
Time Sampled: 15:15
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

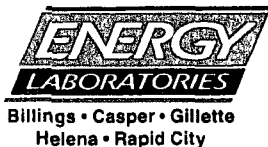
C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	2.36	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	8.08	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	31.3	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	5.94	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	17.6	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	19.1	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRANSMISSION CASE NO.

01272000103



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-AD.1/01
Laboratory ID: 01-30352-2
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: 01-16-01
Time Sampled: 15:30
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-AD.1/01
Laboratory ID: 01-30352-2

Date Sampled: 01-16-01
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

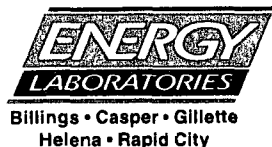
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT	ACCEPTANCE
			RECOVERY	RANGE
Pentafluorobenzene	1323970	1368528	96.7%	50 - 200 %
Fluorobenzene	2110402	2173804	97.1%	50 - 200 %
1,4 - Difluorobenzene	1856421	1873832	99.1%	50 - 200 %
Chlorobenzene - d5	1372935	1398954	98.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	610152	632113	96.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT	ACCEPTANCE
		RECOVERY	RANGE
Dibromofluoromethane	9.47	94.7%	86 - 118 %
Toluene - d8	9.76	97.6%	88 - 110 %
4 - Bromofluorobenzene	9.80	98.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



ENERGY LABORATORIES, INC.

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: 93007-UST.1/01
Laboratory ID: 01-30352-3
Matrix: Gas - AIR
Dilution Factor: 2

Date Sampled: 01-16-01
Time Sampled: 15:45
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	48.4	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-UST.1/01
Laboratory ID: 01-30352-3

Date Sampled: 01-16-01
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1326872	1368528	97.0%	50 - 200 %
Fluorobenzene	2133307	2173804	98.1%	50 - 200 %
1,4 - Difluorobenzene	1861822	1873832	99.4%	50 - 200 %
Chlorobenzene - d5	1366594	1398954	97.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	583663	632113	92.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.23	92.3%	86 - 118 %
Toluene - d8	9.75	97.5%	88 - 110 %
4 - Bromofluorobenzene	9.60	96.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

TRANSMISSION NO.
100-12200000



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: WWC-93007
Sample ID: Air Method Blank
Laboratory ID: AMB0117
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date/Time Received: N/A
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRANSMITTED PAGE NO.

01/30/2001



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Air Method Blank
Laboratory ID: AMB0117

Date Sampled: N/A
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL		PERCENT RECOVERY	ACCEPTANCE RANGE
		AREA			
Pentafluorobenzene	1326021	1368528		96.9%	50 - 200 %
Fluorobenzene	2131296	2173804		98.0%	50 - 200 %
1,4 - Difluorobenzene	1844740	1873832		98.4%	50 - 200 %
Chlorobenzene - d5	1362271	1398954		97.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	588812	632113		93.1%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.36	93.6%	86 - 118 %
Toluene - d8	9.73	97.3%	88 - 110 %
4 - Bromofluorobenzene	9.68	96.8%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.87	98.7%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

see: r: reports clients2001 western water consultants 30352-1-3 8260b std g-a.xls

Analyst: JLP

LABORATORY CASE NO.

01-30-01



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260 QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 01-30352-1 through 01-30352-3
Laboratory ID: 00-30352-2 S
Matrix: Gas - AIR

Date Sampled: 01-16-01
Date/Time Received: 01-17-01 10:00
Date Analyzed: 01-17-01
Date Reported: January 30, 2001

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	1368528	1061873	77.6%	1189926	86.9%	50 - 200 %
Fluorobenzene	2173804	1793912	82.5%	1989099	91.5%	50 - 200 %
1,4 - Difluorobenzene	1873832	1566148	83.6%	1679579	89.6%	50 - 200 %
Chlorobenzene - d5	1398954	1140959	81.6%	1205362	86.2%	50 - 200 %
1,4 - Dichlorobenzene-d4	632113	477012	75.5%	500861	79.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE CONCENTRATION	PERCENT RECOVERY	SPIKE DUPLICATE CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.3	103%	9.87	98.7%	86 - 118 %
Toluene - d8	9.72	97.2%	9.83	98.3%	88 - 110 %
4 - Bromofluorobenzene	9.31	93.1%	9.39	93.9%	86 - 115 %
1,2 - Dichlorobenzene-d4	9.89	98.9%	9.92	99.2%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE CONCENTRATION	ORIG. CONC. (mg/m ³)	SPIKE AMOUNT (mg/m ³)	PERCENT RECOVERY	ACCEPTANCE RANGE
Vinyl chloride	11.0	ND	10.0	110%	80 - 120 %
Chloroform	11.4	ND	10.0	114%	80 - 120 %
1,2 - Dichloroethane	10.9	ND	10.0	109%	80 - 120 %
Carbon tetrachloride	11.5	ND	10.0	115%	80 - 120 %
Benzene	11.1	ND	10.0	111%	80 - 120 %
Trichloroethene	11.5	ND	10.0	115%	80 - 120 %
Tetrachloroethene	11.3	ND	10.0	113%	80 - 120 %
Chlorobenzene	11.2	ND	10.0	112%	80 - 120 %
1,4 - Dichlorobenzene	11.1	ND	10.0	111%	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	10.2	ND	10.0	102%	7.2%	10 %
Chloroform	10.7	ND	10.0	107%	6.2%	10 %
1,2 - Dichloroethane	10.6	ND	10.0	106%	2.5%	10 %
Carbon tetrachloride	11.1	ND	10.0	111%	3.1%	10 %
Benzene	10.7	ND	10.0	107%	3.3%	10 %
Trichloroethene	11.0	ND	10.0	110%	4.4%	10 %
Tetrachloroethene	10.4	ND	10.0	104%	7.3%	10 %
Chlorobenzene	11.1	ND	10.0	111%	0.4%	10 %
1,4 - Dichlorobenzene	10.9	ND	10.0	109%	1.9%	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

sec: r:\reports\clients\2001\western_water_consultants\30352-1-3_8260b_std_g-a.xls

Analyst: JLP

COMPLETE ANALYTICAL SERVICES

LABORATORY NO. 111
01-17-01-111



PLEASE PRINT OR TYPE ALL
INFORMATION EXCEPT SIGNATURES

Received Date:	_____	Cust. No.:	_____
Login Date:	_____	Custody Seal:	Yes/No
Shipped by:	_____	Infect:	Yes/No
Shipping Bill #:	_____	Signature Match?:	Yes/No
Code Six:	_____	If no - Reason:	_____

W/A

For Lab Use Only

[illegible]

Energy Laboratories, Inc.
SAMPLE CONDITION REPORT

This report provides information about the condition of the sample(s), and associated sample custody information on receipt at the laboratory.

Client: Western Water Consultants

Description: AIR

Lab ID(s): 01-30352-1 Thru 01-30352-4

Matrix: Gas, Misc

Delivered by: UPS Date&Time Rec'd: 17-JAN-01 1000 Date&Time Col'd: 16-JAN-01 1515

Received by: T. Fassett Logged In by: Linda Spicer

Chain of custody form completed & signed:	Yes	Comments:
Chain of custody seal:	No	Comments:
Chain of custody seal intact:	N/A	Comments:
Signature match, chain of custody vs. seal:	N/A	Comments:
Sample received Temperature:		Comments:
Samples received within holding time:	Yes	Comments:
Samples received in proper containers:	Yes	Comments:
Samples Properly Preserved:	Yes	Comments:

Bottle Types Received: 3-1L TEDLAR BAG(A)

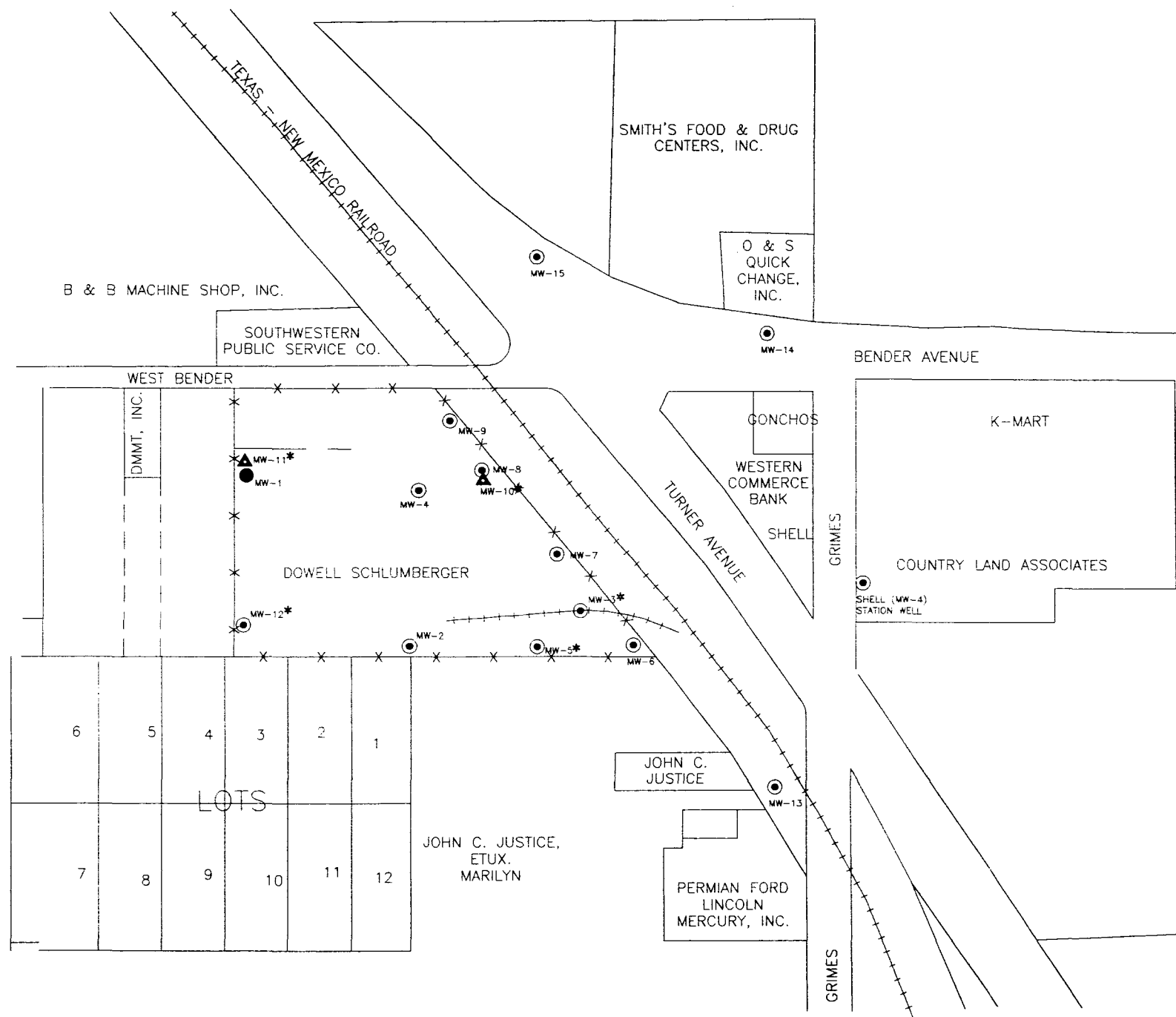
Comments:

LABORATORY FILE NO.

DATE 1/17/01

K:\93-0071\CA00\99 Newbore2.dwg 03/15/99 08:43

GW-073



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATIONS
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

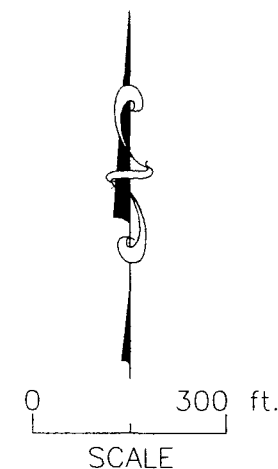
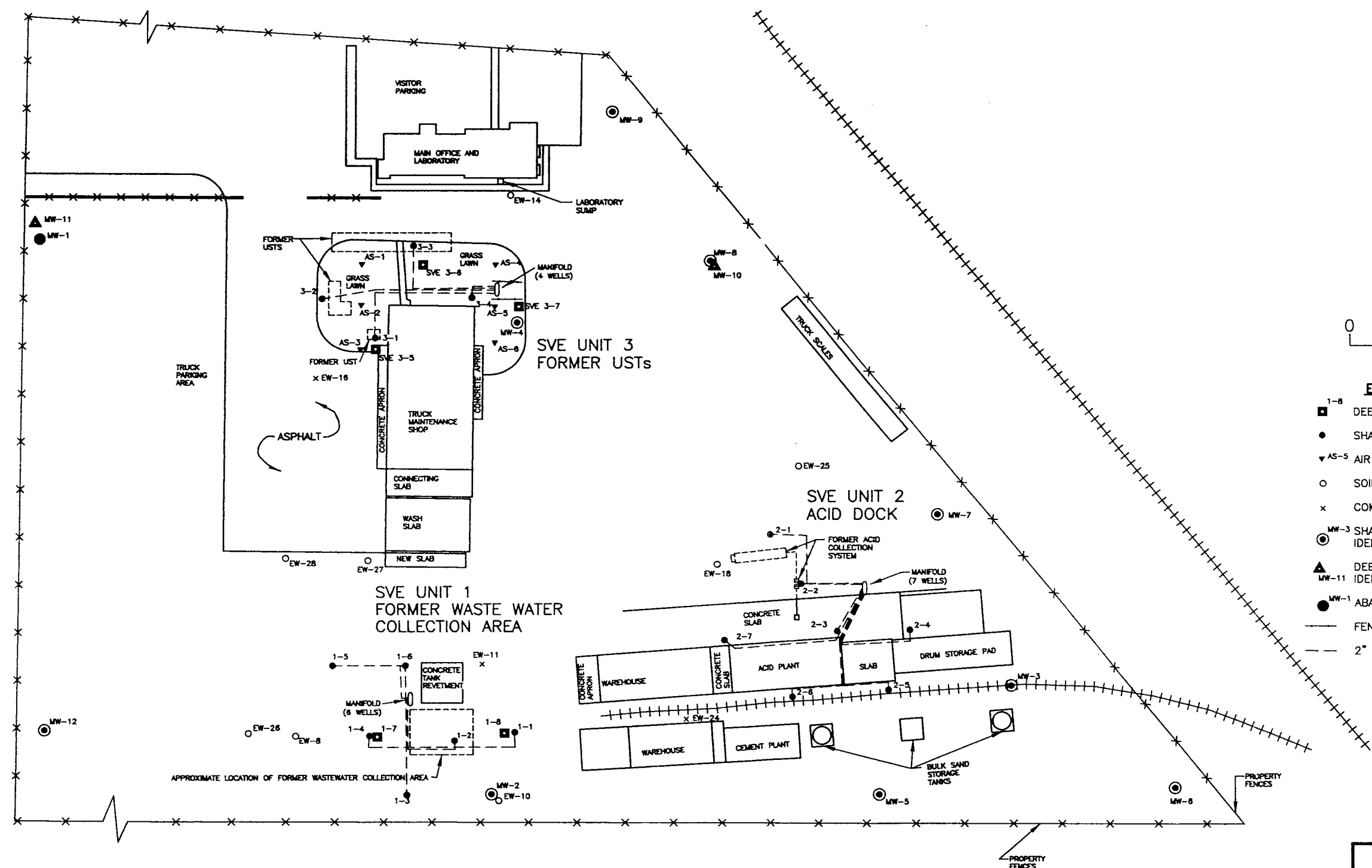


FIGURE 1
MONITORING WELL LOCATIONS

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM

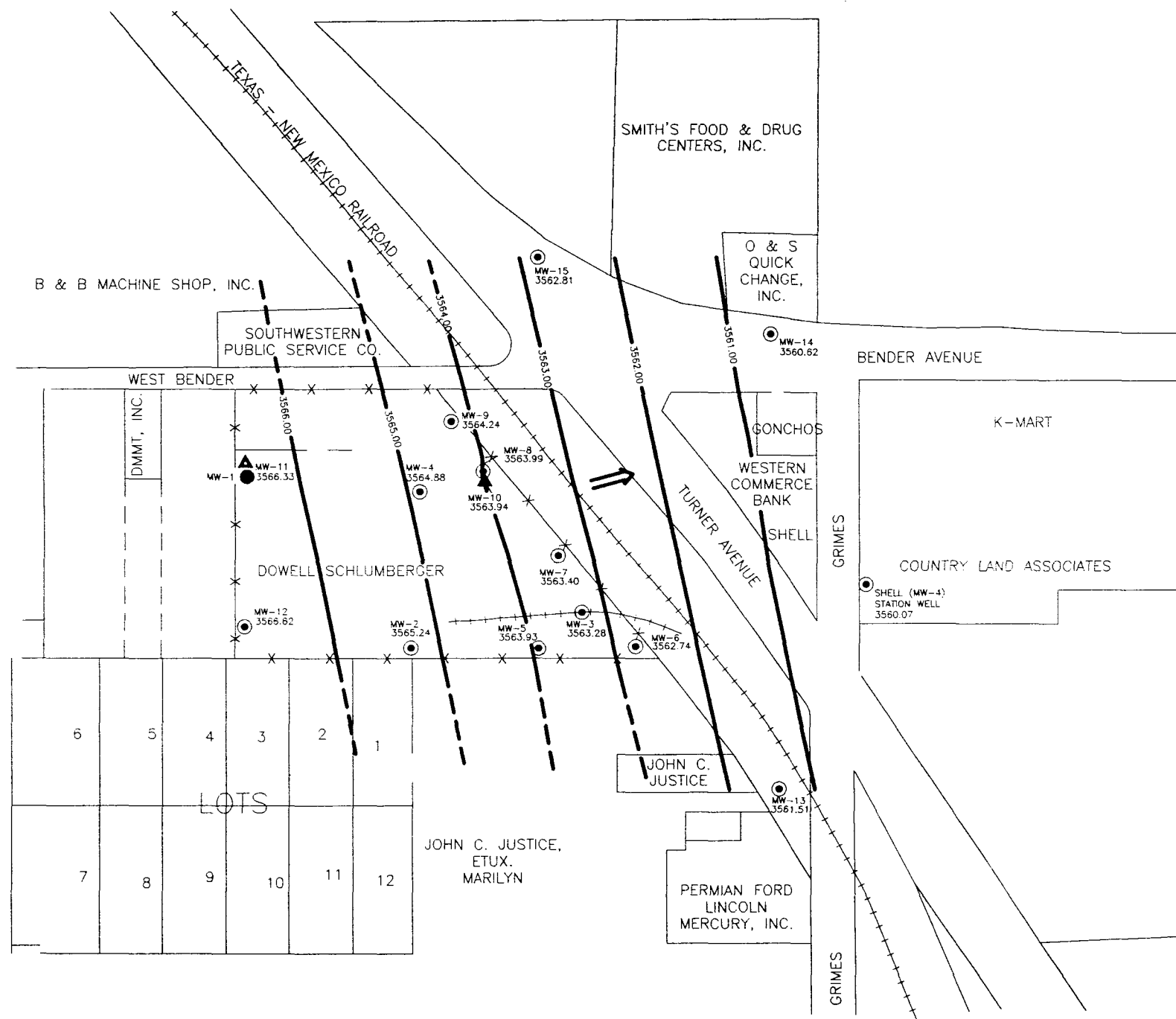


0 80 FT.
SCALE

EXPLANATION

- 1-6 DEEP SVE WELL
- SHALLOW SVE WELL
- ▼ AS-5 AIR SPARGING WELL
- SOIL BORING
- x COMPLETED AS A FUTURE SVE WELL
- MW-3 SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- ▲ MW-11 DEEP MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ABANDONED MONITORING WELL
- FENCED ENCLOSURE
- - - 2" PVC PIPING

FIGURE 2
SITE MAP AND
LOCATION OF MONITORING AND
REMEDIATION WELLS
DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM



EXPLANATION

- MW-14 3560.62 SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ABANDONED MONITORING WELL
- MW-11 3566.33 DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- GROUND-WATER FLOW DIRECTION

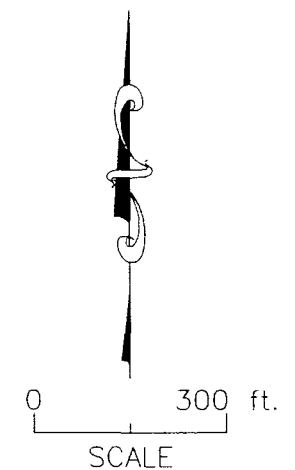
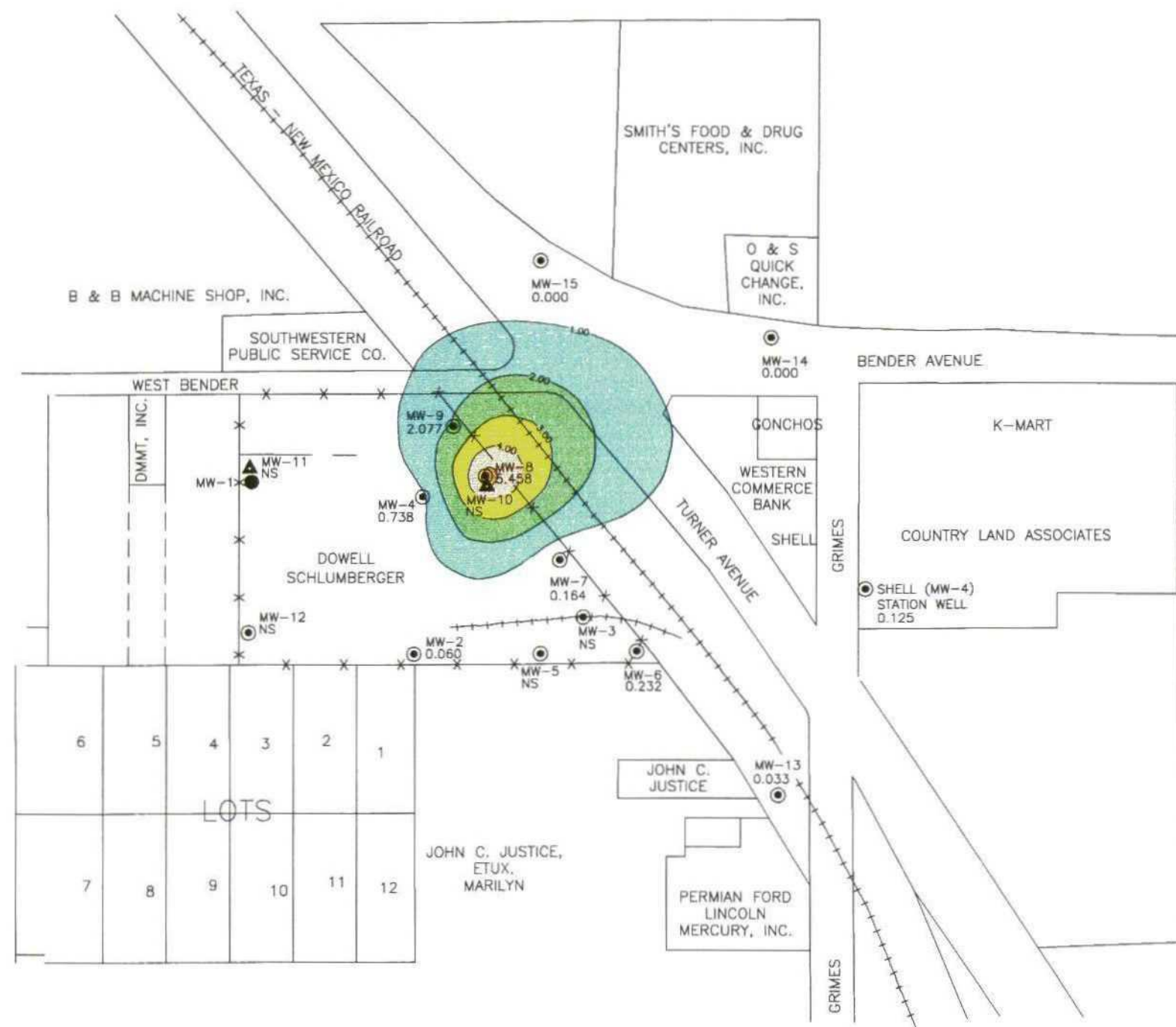


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(02/10/99)

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBBS, NM



EXPLANATION

- MW-8 5.462 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 0.000 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00' TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)



FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP

DOWELL, A DIVISION OF
SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM

Table 1. Static Water Levels for the Dowell Facility in Hobbs, New Mexico

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)	Water Column (ft)
MW-1 Abandoned	3638.52	10/25/96	84	70.22	3568.30		13.78
		11/21/96		70.17	3568.35	0.05	13.83
		01/22/97		70.44	3568.08	-0.27	13.56
		05/22/97					
MW-2	3637.26	10/25/96	85	70.03	3567.23		14.97
		11/21/96		70.03	3567.23	0.00	14.97
		01/22/97		70.26	3567.00	-0.23	14.74
		05/21/97		70.53	3566.73	-0.27	14.47
		07/28/97		70.69	3566.57	-0.16	14.31
		10/15/97		70.80	3566.46	-0.11	14.20
		01/05/98		71.05	3566.21	-0.25	13.95
		04/16/98		71.27	3565.99	-0.22	13.73
		07/16/98		71.61	3565.65	-0.34	13.39
		10/25/98		71.84	3565.42	-0.23	13.16
MW-3	3638.28	02/10/99	85	72.02	3565.24	-0.18	12.98
		10/25/96		72.88	3565.40		12.12
		11/21/96		72.89	3565.39	-0.01	12.11
		01/22/97		73.10	3565.18	-0.21	11.90
		05/21/97		73.40	3564.88	-0.30	11.60
		07/28/97		73.54	3564.74	-0.14	11.46
		10/15/97		73.67	3564.61	-0.13	11.33
		01/05/98		73.92	3564.36	-0.25	11.08
		04/16/98		74.13	3564.15	-0.21	10.87
		07/16/98		74.46	3563.82	-0.33	10.54
MW-4	3639.20	10/25/98	85	74.74	3563.54	-0.28	10.26
		02/10/99		75.00	3563.28	-0.26	10.00
		10/25/96		72.41	3566.79		12.59
		11/21/96		72.37	3566.83	0.04	12.63
		01/22/97		72.60	3566.60	-0.23	12.40
		05/21/97		72.87	3566.33	-0.27	12.13
		07/28/97		72.93	3566.27	-0.06	12.07
		10/15/97		73.03	3566.17	-0.10	11.97
		01/05/98		73.24	3565.96	-0.21	11.76
		04/16/98		73.67	3565.53	-0.43	11.33
MW-5	3637.70	07/16/98	85	73.68	3565.52	-0.01	11.32
		10/25/98		74.21	3564.99	-0.53	10.79
		02/10/99		74.32	3564.88	-0.11	10.68
		01/22/97		71.90	3565.80		13.10
		05/21/97		72.21	3565.49	-0.31	12.79
		07/28/97		72.36	3565.34	-0.15	12.64
		10/15/97		72.44	3565.26	-0.08	12.56
		01/05/98		72.71	3564.99	-0.27	12.29
		04/16/98		72.92	3564.78	-0.21	12.08
		07/16/98		73.25	3564.45	-0.33	11.75
MW-6	3637.52	10/25/98	85	73.53	3564.17	-0.28	11.47
		02/10/99		73.77	3563.93	-0.24	11.23
		01/22/97		72.88	3564.64		12.12
		05/21/97		73.22	3564.30	-0.34	11.78
		07/28/97		73.44	3564.08	-0.22	11.56
		10/15/97		73.48	3564.04	-0.04	11.52
		01/05/98		73.72	3563.80	-0.24	11.28
		04/16/98		73.94	3563.58	-0.22	11.06
		07/16/98		74.26	3563.26	-0.32	10.74
		10/25/98		74.55	3562.97	-0.29	10.45
MW-6	3637.52	02/10/99		74.78	3562.74	-0.23	10.22

Table 1. Static Water Levels for the Dowell Facility in Hobbs, New Mexico

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)	Water Column (ft)
MW-7	3638.62	01/22/97	85	73.31	3565.31		11.69
		05/21/97		73.63	3564.99	-0.32	11.37
		07/28/97		73.80	3564.82	-0.17	11.20
		10/15/97		73.93	3564.69	-0.13	11.07
		01/05/98		74.17	3564.45	-0.24	10.83
		04/16/98		74.39	3564.23	-0.22	10.61
		07/16/98		74.71	3563.91	-0.32	10.29
		10/25/98		74.98	3563.64	-0.27	10.02
		02/10/99		75.22	3563.40	-0.24	9.78
MW-8	3638.71	01/22/97	85	72.78	3565.93		12.22
		05/21/97		73.12	3565.59	-0.34	11.88
		07/28/97		73.31	3565.40	-0.19	11.69
		10/15/97		73.44	3565.27	-0.13	11.56
		01/05/98		73.63	3565.08	-0.19	11.37
		04/16/98		74.00	3564.71	-0.37	11.00
		07/16/98		74.21	3564.50	-0.21	10.79
		10/25/98		74.48	3564.23	-0.27	10.52
		02/10/99		74.72	3563.99	-0.24	10.28
MW-9	3638.76	01/22/97	85	72.57	3566.19		12.43
		05/21/97		72.89	3565.87	-0.32	12.11
		07/28/97		73.08	3565.68	-0.19	11.92
		10/15/97		73.24	3565.52	-0.16	11.76
		01/05/98		73.47	3565.29	-0.23	11.53
		04/16/98		73.70	3565.06	-0.23	11.30
		07/16/98		73.99	3564.77	-0.29	11.01
		10/25/98		74.27	3564.49	-0.28	10.73
		02/10/99		74.52	3564.24	-0.25	10.48
MW-10	3638.86	05/27/97	130.5	73.33	3565.53		57.17
		07/28/97		73.49	3565.37	-0.16	57.01
		10/15/97		73.61	3565.25	-0.12	56.89
		01/05/98		73.83	3565.03	-0.22	56.67
		04/16/98		74.08	3564.78	-0.25	56.42
		07/16/98		74.38	3564.48	-0.30	56.12
		10/25/98		74.64	3564.22	-0.26	55.86
		02/10/99		74.92	3563.94	-0.28	55.58
MW-11	3638.55	05/26/97	208	70.70	3567.85		137.30
		07/28/97		70.89	3567.66	-0.19	137.11
		10/15/97		70.85	3567.70	0.04	137.15
		01/05/98		71.21	3567.34	-0.36	136.79
		04/16/98		71.45	3567.10	-0.24	136.55
		07/16/98		71.76	3566.79	-0.31	136.24
		10/25/98		71.95	3566.60	-0.19	136.05
		02/10/99		72.22	3566.33	-0.27	135.78
MW-12	3636.15	05/26/97	85	68.05	3568.10		16.95
		07/28/97		68.14	3568.01	-0.09	16.86
		10/15/97		68.24	3567.91	-0.10	16.76
		01/05/98		68.52	3567.63	-0.28	16.48
		04/16/98		68.78	3567.37	-0.26	16.22
		07/16/98		69.10	3567.05	-0.32	15.90
		10/25/98		69.26	3566.89	-0.16	15.74
		02/10/99		69.53	3566.62	-0.27	15.47

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Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)	Water Column (ft)
MW-13	3635.39	05/21/97	84	72.31	3563.08		11.69
		07/28/97		72.39	3563.00	-0.08	11.61
		10/15/97		72.63	3562.76	-0.24	11.37
		01/05/98		72.79	3562.60	-0.16	11.21
		04/16/98		72.93	3562.46	-0.14	11.07
		07/16/98		73.32	3562.07	-0.39	10.68
		10/25/98		73.62	3561.77	-0.30	10.38
		02/10/99		73.88	3561.51	-0.26	10.12
MW-14	3637.19	05/21/97	85	74.86	3562.33		10.14
		07/28/97		75.06	3562.13	-0.20	9.94
		10/15/97		75.28	3561.91	-0.22	9.72
		01/05/98		75.44	3561.75	-0.16	9.56
		04/16/98		75.61	3561.58	-0.17	9.39
		07/16/98		75.98	3561.21	-0.37	9.02
		10/25/98		76.26	3560.93	-0.28	8.74
		02/10/99		76.57	3560.62	-0.31	8.43
MW-15	3636.57	05/21/97	85	72.09	3564.48		12.91
		07/28/97		72.28	3564.29	-0.19	12.72
		10/15/97		72.52	3564.05	-0.24	12.48
		01/05/98		72.70	3563.87	-0.18	12.30
		04/16/98		72.87	3563.70	-0.17	12.13
		07/16/98		73.24	3563.33	-0.37	11.76
		10/25/98		73.47	3563.10	-0.23	11.53
		02/10/99		73.76	3562.81	-0.29	11.24
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72		6.63
		07/28/97		76.15	3561.54	-0.18	6.45
		10/15/97		76.26	3561.43	-0.11	6.34
		01/05/98		76.52	3561.17	-0.26	6.08
		04/16/98		76.67	3561.02	-0.15	5.93
		07/16/98		78.03	3559.66	-1.36	4.57
		10/25/98		77.33	3560.36	0.70	5.27
		02/10/99		77.62	3560.07	-0.29	4.98

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2. Chemicals Detected in Ground-Water Samples, Dowell Facility, Hobbs, New Mexico

Well Number	Date Sampled	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	PCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	NAPHTHALENE (mg/L)	TOTAL BTEX HALOCARBONS (mg/L)	TOTAL (mg/L)
MW-6	01/23/97	0.041	0.001	0.004	0.003	0.004	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.001	0.001	0.053
	05/22/97	0.085	0.002	0.034	0.023	0.017	0.002	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.002	0.004	0.163
	07/28/97	0.081	0.002	0.027	0.021	0.008	0.002	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.003	0.003	0.141
	10/16/97	0.082	0.002	0.025	0.019	0.006	0.002	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.003	0.003	0.136
	01/06/98	0.113	0.003	0.038	0.024	0.012	0.002	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.003	0.003	0.192
	04/16/98	0.088	0.003	0.027	0.017	0.006	0.002	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.002	0.002	0.145
MW-7	07/17/98	0.091	0.004	0.051	0.032	0.022	0.002	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.002	0.002	0.202
	10/28/98	0.055	ND(0.01)	0.011	0.011	ND(0.01)	0.003	0.011	0.002	ND(0.01)	ND(0.02)	0.002	0.013	0.077
	02/10/99	0.113	0.005	0.056	0.039	0.016	0.003	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	ND(0.0025)	0.003	0.232
	01/23/97	0.047	0.001	0.009	0.014	0.002	0.004	0.001	ND(0.001)	ND(0.001)	0.001	0.013	0.002	0.075
MW-8	05/22/97	0.087	0.002	0.088	0.116	0.002	0.014	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.062	0.003	0.287
	07/28/97	0.073	0.002	0.061	0.110	0.018	0.021	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.055	0.004	0.287
	10/16/97	0.065	ND(0.005)	0.050	0.091	ND(0.005)	0.018	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.048	0.003	0.224
	01/06/98	0.076	ND(0.005)	0.054	0.111	ND(0.005)	0.018	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.040	0.003	0.188
	04/16/98	0.055	ND(0.005)	0.035	0.078	ND(0.005)	0.020	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.010	0.003	0.200
	07/17/98	0.065	0.038	0.038	0.073	ND(0.005)	0.019	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.014	0.000	0.189
MW-9	10/28/98	0.047	ND(0.005)	0.030	0.073	ND(0.005)	0.014	0.002	ND(0.005)	ND(0.005)	ND(0.002)	0.006	0.002	0.184
	02/10/99	0.050	ND(0.001)	0.032	0.066	0.002	0.014	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.006	0.002	0.184
	01/23/97	0.068	0.005	0.280	0.810	0.460	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	0.000	1.823
	05/22/97	0.082	ND(0.01)	1.360	4.150	0.805	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	0.000	6.397
	06/25/97	0.077	ND(0.02)	0.975	3.600	0.774	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.02)	0.000	5.426
	07/28/97	ND(0.1)	ND(0.1)	1.120	4.520	0.798	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	0.000	6.136
duplicate	10/16/97	ND(0.2)	ND(0.2)	1.230	4.650	0.798	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.166	0.000	6.024
	01/06/98	ND(0.2)	ND(0.2)	1.050	4.620	0.658	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.142	0.000	6.328
	04/16/98	ND(0.2)	ND(0.2)	1.200	5.090	0.740	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	0.000	7.030
	07/17/98	ND(0.2)	ND(0.2)	1.200	4.160	0.522	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	0.000	5.522
	10/27/98	0.060	ND(0.2)	0.760	1.860	0.522	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	0.000	5.456
	02/10/99	0.083	ND(0.025)	0.936	3.870	0.568	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	ND(0.025)	0.000	5.456
MW-10	01/23/97	0.011	ND(0.001)	0.063	0.090	0.045	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.209
	05/22/97	0.028	ND(0.01)	0.322	1.550	0.147	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	0.000	2.045
	06/25/97	0.033	ND(0.02)	0.326	1.130	0.121	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.02)	0.000	1.489
	07/28/97	0.021	ND(0.02)	0.278	1.020	0.104	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.02)	0.000	1.440
	10/16/97	0.019	ND(0.02)	0.278	1.160	0.104	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.02)	0.000	1.581
	01/06/98	0.023	ND(0.02)	0.321	1.160	0.141	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.02)	0.000	1.645
duplicate	01/06/98	0.033	ND(0.1)	0.502	1.350	0.174	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	0.000	2.059
	04/16/98	0.029	ND(0.05)	0.444	1.290	0.144	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)	ND(0.05)	0.000	1.907
	07/17/98	0.042	ND(0.1)	0.660	1.770	0.242	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	0.000	2.744
	10/27/98	0.030	ND(0.1)	0.507	1.740	0.193	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	0.000	2.470
	02/10/99	0.031	ND(0.01)	0.487	1.400	0.159	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	0.000	2.077
	05/22/97	0.004	ND(0.002)	0.007	0.026	0.002	ND(0.002)	0.004	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.004	0.038
duplicate	05/22/97	0.003	ND(0.002)	0.008	0.028	0.002	ND(0.002)	0.007	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.002	0.037
	07/28/97	0.003	ND(0.002)	0.009	0.014	0.002	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.002	0.028
	10/16/97	0.002	ND(0.002)	0.002	0.008	0.002	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.001	0.010
	01/06/98	0.002	ND(0.002)	0.002	0.008	0.002	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.002	0.010
	04/16/98	0.002	ND(0.002)	0.002	0.002	0.002	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.002	0.002
	07/17/98	0.001	ND(0.001)	0.001	0.002	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.004)	ND(0.001)	0.003	0.002
MW-11	10/28/98	0.001	ND(0.002)	0.001	0.001	0.001	ND(0.002)	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.001	0.000
	05/24/97	0.001	ND(0.001)	0.007	0.002	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.003	0.010
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.006	0.000
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.005	0.000
	01/06/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	0.000

Table 2. Chemicals Detected in Ground-Water Samples, Dowell Facility, Hobbs, New Mexico

Well Number	Date Sampled	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	PCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	NAPHTHA-LENE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-12	05/25/87	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.005	0.003	ND(0.001)	0.014	0.001
	07/28/87	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(0.002)	ND(0.001)	0.000	0.000
	10/16/87	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(0.002)	ND(0.001)	0.000	0.000
	01/06/88	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.000
MW-13	04/16/88	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(0.002)	ND(0.001)	0.000	0.000
	07/17/88	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.001
	10/26/88	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.000
	05/24/87	ND(0.001)	ND(0.001)	0.012	0.010	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.023
duplicate	07/28/87	ND(0.001)	ND(0.001)	0.012	0.009	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.022
	10/16/87	ND(0.001)	ND(0.001)	0.015	0.013	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.029
	01/06/88	ND(0.002)	ND(0.002)	0.011	0.013	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.025
	01/06/88	ND(0.002)	ND(0.002)	0.017	0.011	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.030
duplicate	04/16/88	ND(0.002)	ND(0.002)	0.017	0.011	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.030
	07/17/88	ND(0.001)	ND(0.001)	0.016	0.010	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	0.000	0.028
	10/26/88	ND(0.002)	ND(0.002)	0.019	0.016	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.037
	02/10/89	ND(0.002)	ND(0.002)	0.018	0.020	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.041
MW-14	05/25/87	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(0.002)	ND(0.001)	0.000	0.000
	07/28/87	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(0.002)	ND(0.001)	0.000	0.000
	10/16/87	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(0.002)	ND(0.001)	0.000	0.000
	01/06/88	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(0.002)	ND(0.001)	0.000	0.000
duplicate	01/06/88	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	0.000	0.000
	04/16/88	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(0.002)	ND(0.001)	0.000	0.000
	07/17/88	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(0.002)	ND(0.001)	0.000	0.000
	10/26/88	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(0.002)	ND(0.001)	0.000	0.000
duplicate	02/10/89	ND(0.005)	ND(0.005)	ND(0.005)	<0.001	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.005)	0.000	0.000
	05/25/87	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(0.002)	ND(0.001)	0.000	0.000
	07/28/87	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(0.002)	ND(0.001)	0.000	0.000
	10/16/87	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(0.002)	ND(0.001)	0.000	0.000
MW-15	01/06/88	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(0.002)	ND(0.001)	0.000	0.000
	01/06/88	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(0.002)	ND(0.001)	0.000	0.000
	04/16/88	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(0.002)	ND(0.001)	0.000	0.000
	07/17/88	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(0.002)	ND(0.001)	0.000	0.000
duplicate	10/26/88	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(0.002)	ND(0.001)	0.000	0.000
	02/10/89	ND(0.005)	ND(0.005)	<0.001	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.005)	0.000	0.000
	05/25/87	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(0.002)	ND(0.001)	0.000	0.000
	07/28/87	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(0.002)	ND(0.001)	0.000	0.000
*SO4	10/16/87	0.018	ND(0.02)	0.022	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.411	0.138	0.805	0.125	1.454	0.040
	01/06/88	0.061	ND(0.002)	0.075	0.004	0.014	ND(0.002)	0.002	0.322	0.039	0.713	0.102	1.074	0.040
	04/16/88	0.049	ND(0.005)	0.087	0.005	0.015	ND(0.005)	0.002	0.042	0.007	0.019	0.024	0.064	0.144
	07/17/88	0.038	ND(0.005)	0.075	0.005	0.015	ND(0.005)	ND(0.005)	0.016	ND(0.005)	ND(0.01)	0.028	0.016	0.133
Notes:	10/26/88	0.010	ND(0.002)	0.024	0.002	0.005	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.004)	0.004	0.003	0.041
	02/10/89	0.025	ND(0.001)	0.079	0.005	0.016	ND(0.001)	0.001	0.013	ND(0.001)	ND(0.002)	0.013	0.014	0.125
	05/25/87	0.021	ND(0.01)	0.024	ND(0.01)	0.005	ND(0.01)	ND(0.01)	0.469	0.470	1.836	0.107	2.875	0.050
	07/28/87	0.020	ND(0.02)	0.020	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.411	0.138	0.805	0.125	1.454	0.040

Only commonly detected compounds are listed. Other compounds that have been detected infrequently are included in the laboratory reports.
 ND - Not Detected at detection limit shown in parentheses.
 italicized value - is below the method detection limit.
 < - analyze detected above the method detection limit but table is reported only to 1 part per billion
 *SO4 = Shell Service Station monitoring well MW-4
 1,1-DCA - 1,1-Dichloroethane
 1,2-DCA - 1,2-Dichloroethane
 1,1-DCE - 1,1-Dichloroethene
 PCE - Tetrachloroethane
 TCA - 1,1,1-Trichloroethane
 TCE - Trichloroethene



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EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-2.2/99
Laboratory ID: C99-15554
Matrix: Water
Dilution Factor: 2

Date Sampled: 02-10-99
Time Sampled: 14:00
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

MW-2

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	2.86	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	17.8	1.0
78-93-3	2 -Butanone (MEK)	ND	20
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	4.16	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	34.8	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



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-2.2/99
Laboratory ID: C99-15554

mw-2

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	1759664	1905745	92.3%	50 - 200 %
Fluorobenzene	2983855	3212696	92.9%	50 - 200 %
1,4 - Difluorobenzene	2362144	2422189	97.5%	50 - 200 %
Chlorobenzene - d5	1706466	1715238	99.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	796524	818870	97.3%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.1	101%	86 - 118 %
Toluene - d8	9.96	99.6%	88 - 110 %
4 - Bromofluorobenzene	9.74	97.4%	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

sec: r:\reports\clients\99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec



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EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-A.2/99
Laboratory ID: C99-15564
Matrix: Water
Dilution Factor: 2

*Duplicate of
mw-2*

Date Sampled: 02-10-99
Time Sampled: 15:30
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	2.62	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	16.2	1.0
78-93-3	2 -Butanone (MEK)	ND	20
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	3.96	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	33.7	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



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-A.2/99
Laboratory ID: C99-15564

*Duplicate of
mw-2*

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	1.72	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	1814646	1905745	95.2%	50 - 200 %
Fluorobenzene	3033085	3212696	94.4%	50 - 200 %
1,4 - Difluorobenzene	2357840	2422189	97.3%	50 - 200 %
Chlorobenzene - d5	1733930	1715238	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	806144	818870	98.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.65	96.5%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.61	96.1%	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
Project: 93007L
Sample ID: 93007-4.2/99
Laboratory ID: C99-15555
Matrix: Water
Dilution Factor: 20

mw-A

Date Sampled: 02-10-99
Time Sampled: 14:25
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	118	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	19.4	10.0
78-93-3	2 -Butanone (MEK)	ND	200
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	89.8	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	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	511	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: 93007-4.2/99
Laboratory ID: C99-15555

mw-A

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	1766816	1905745	92.7%	50 - 200 %
Fluorobenzene	3061291	3212696	95.3%	50 - 200 %
1,4 - Difluorobenzene	2397489	2422189	99.0%	50 - 200 %
Chlorobenzene - d5	1751690	1715238	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	807293	818870	98.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.98	99.8%	86 - 118 %
Toluene - d8	9.97	99.7%	88 - 110 %
4 - Bromofluorobenzene	9.62	96.2%	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

sec: r:\reports\clients\99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec

EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-6.2/99
Laboratory ID: C99-15556
Matrix: Water
Dilution Factor: 5

Date Sampled: 02-10-99
Time Sampled: 13:35
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-6

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.5
74-87-3	Chloromethane	ND	2.5
75-01-4	Vinyl chloride (Chloroethene)	ND	2.5
74-83-9	Bromomethane	ND	2.5
75-00-3	Chloroethane	ND	2.5
75-69-4	Trichlorofluoromethane	ND	2.5
75-35-4	1,1 - Dichloroethene	56.1	2.5
75-09-2	Methylene chloride (Dichloromethane)	ND	2.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.5
75-34-3	1,1 - Dichloroethane	113	2.5
78-93-3	2 -Butanone (MEK)	ND	50
156-59-2	cis - 1,2 - Dichloroethene	7.65	2.5
74-97-5	Bromochloromethane	ND	2.5
67-66-3	Chloroform (Trichloromethane)	8.85	2.5
594-20-7	2,2 - Dichloropropane	ND	2.5
71-55-6	1,1,1 - Trichloroethane	16.3	2.5
107-06-2	1,2 - Dichloroethane	4.60	2.5
563-58-6	1,1 - Dichloropropene	ND	2.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.5
71-43-2	Benzene	2.80	2.5
74-95-3	Dibromomethane	ND	2.5
78-87-5	1,2 - Dichloropropane	ND	2.5
79-01-6	Trichloroethene	2.50	2.5
75-27-4	Bromodichloromethane	ND	2.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.5
79-00-5	1,1,2 - Trichloroethane	2.90	2.5
108-88-3	Toluene	ND	2.5
106-93-4	1,2 - Dibromoethane	ND	2.5
142-28-9	1,3 - Dichloropropane	ND	2.5
124-48-1	Dibromochloromethane	ND	2.5
127-18-4	Tetrachloroethene	38.8	2.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.5
108-90-7	Chlorobenzene	ND	2.5
100-41-4	Ethylbenzene	ND	2.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.0
75-25-2	Bromoform (Tribromomethane)	ND	2.5
100-42-5	Styrene (Ethenylbenzene)	ND	2.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.5
96-18-4	1,2,3 - Trichloropropane	ND	2.5

ND - Analyte not detected at stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-6.2/99
Laboratory ID: C99-15556

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.5
108-86-1	Bromobenzene	ND	2.5
103-65-1	n - Propylbenzene	ND	2.5
95-49-8	2 - Chlorotoluene	ND	2.5
106-43-4	4 - Chlorotoluene	ND	2.5
108-67-8	1,3,5 - Trimethylbenzene	ND	2.5
98-06-6	tert - Butylbenzene	ND	2.5
95-63-6	1,2,4 - Trimethylbenzene	ND	2.5
135-98-8	sec - Butylbenzene	ND	2.5
541-73-1	1,3 - Dichlorobenzene	ND	2.5
106-46-7	1,4 - Dichlorobenzene	ND	2.5
99-87-6	4-Isopropyltoluene	ND	2.5
95-50-1	1,2 - Dichlorobenzene	ND	2.5
104-51-8	n - Butylbenzene	ND	2.5
96-12-3	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.5
91-20-3	Naphthalene	ND	2.5
87-68-3	Hexachlorobutadiene	ND	2.5
87-61-6	1,2 3 - Trichlorobenzene	ND	2.5

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1761199	1905745	92.4%	50 - 200 %
Fluorobenzene	3038657	3212696	94.6%	50 - 200 %
1,4 - Difluorobenzene	2436330	2422189	101%	50 - 200 %
Chlorobenzene - d5	1741581	1715238	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	807931	818870	98.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.3	103%	86 - 118 %
Toluene - d8	9.88	98.8%	88 - 110 %
4 - Bromofluorobenzene	9.65	96.5%	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

EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-7.2/99
Laboratory ID: C99-15557
Matrix: Water
Dilution Factor: 2

Date Sampled: 02-10-99
Time Sampled: 13:15
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	31.9	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	49.7	1.0
78-93-3	2 -Butanone (MEK)	ND	20
156-59-2	cis - 1,2 - Dichloroethene	1.52	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	1.84	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	1.62	1.0
74-95-3	Dibromomethane	ND	1.0
78-87-5	1,2 - Dichloropropane	ND	1.0
79-01-6	Trichloroethene	14.2	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	65.5	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



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-7.2/99
Laboratory ID: C99-15557

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	6.20	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	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1785911	1905745	93.7%	50 - 200 %
Fluorobenzene	2998700	3212696	93.3%	50 - 200 %
1,4 - Difluorobenzene	2347298	2422189	96.9%	50 - 200 %
Chlorobenzene - d5	1712712	1715238	99.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	804182	818870	98.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.87	98.7%	86 - 118 %
Toluene - d8	9.97	99.7%	88 - 110 %
4 - Bromofluorobenzene	9.69	96.9%	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

sec: r:\reports\clients\99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec

EPA METHOD 8260

Client: Western Water Consultants
 Project: 93007L
 Sample ID: 93007-8.2/99
 Laboratory ID: C99-15558
 Matrix: Water
 Dilution Factor: 50

Date Sampled: 02-10-99
 Time Sampled: 15:15
 Date Received: 02-11-99
 Date Analyzed: 02-11-99
 Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	25.0
74-87-3	Chloromethane	ND	25.0
75-01-4	Vinyl chloride (Chloroethene)	ND	25.0
74-83-9	Bromomethane	ND	25.0
75-00-3	Chloroethane	ND	25.0
75-69-4	Trichlorofluoromethane	ND	25.0
75-35-4	1,1 - Dichloroethene	936	25.0
75-09-2	Methylene chloride (Dichloromethane)	ND	25.0
156-60-5	trans - 1, 2 - Dichloroethene	ND	25.0
75-34-3	1,1 - Dichloroethane	82.5	25.0
78-93-3	2 -Butanone (MEK)	ND	500
156-59-2	cis - 1,2 - Dichloroethene	ND	25.0
74-97-5	Bromochloromethane	ND	25.0
67-66-3	Chloroform (Trichloromethane)	ND	25.0
594-20-7	2,2 - Dichloropropane	ND	25.0
71-55-6	1,1,1 - Trichloroethane	569	25.0
107-06-2	1,2 - Dichloroethane	ND	25.0
563-58-6	1,1 - Dichloropropene	ND	25.0
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	25.0
71-43-2	Benzene	ND	25.0
74-95-3	Dibromomethane	ND	25.0
78-87-5	1,2 - Dichloropropane	ND	25.0
79-01-6	Trichloroethene	ND	25.0
75-27-4	Bromodichloromethane	ND	25.0
10061-01-5	cis - 1,3 - Dichloropropene	ND	25.0
10061-02-6	trans - 1,3 - Dichloropropene	ND	25.0
79-00-5	1,1,2 - Trichloroethane	ND	25.0
108-88-3	Toluene	ND	25.0
106-93-4	1,2 - Dibromoethane	ND	25.0
142-28-9	1,3 - Dichloropropane	ND	25.0
124-48-1	Dibromochloromethane	ND	25.0
127-18-4	Tetrachloroethene	3,870	25.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND	25.0
108-90-7	Chlorobenzene	ND	25.0
100-41-4	Ethylbenzene	ND	25.0
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	50.0
75-25-2	Bromoform (Tribromomethane)	ND	25.0
100-42-5	Styrene (Ethenylbenzene)	ND	25.0
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	25.0
79-34-5	1,1,2,2 - Tetrachloroethane	ND	25.0
96-18-4	1,2,3 - Trichloropropane	ND	25.0

ND - Analyte not detected at stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-8.2/99
Laboratory ID: C99-15558

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	25.0
108-86-1	Bromobenzene	ND	25.0
103-65-1	n - Propylbenzene	ND	25.0
95-49-8	2 - Chlorotoluene	ND	25.0
106-43-4	4 - Chlorotoluene	ND	25.0
108-67-8	1,3,5 - Trimethylbenzene	ND	25.0
98-06-6	tert - Butylbenzene	ND	25.0
95-63-6	1,2,4 - Trimethylbenzene	ND	25.0
135-98-8	sec - Butylbenzene	ND	25.0
541-73-1	1,3 - Dichlorobenzene	ND	25.0
106-46-7	1,4 - Dichlorobenzene	ND	25.0
99-87-6	4-Isopropyltoluene	ND	25.0
95-50-1	1,2 - Dichlorobenzene	ND	25.0
104-51-8	n - Butylbenzene	ND	25.0
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	125
120-82-1	1,2,4 - Trichlorobenzene	ND	25.0
91-20-3	Naphthalene	ND	25.0
87-68-3	Hexachlorobutadiene	ND	25.0
87-61-6	1,2,3 - Trichlorobenzene	ND	25.0

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1806644	1905745	94.8%	50 - 200 %
Fluorobenzene	3074475	3212696	95.7%	50 - 200 %
1,4 - Difluorobenzene	2394943	2422189	98.9%	50 - 200 %
Chlorobenzene - d5	1743468	1715238	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	799062	818870	97.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.67	96.7%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.57	95.7%	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

sec: r:\reports\clients\99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec

EPA METHOD 8260

Client: Western Water Consultants
 Project: 93007L
 Sample ID: 93007-9.2/99
 Laboratory ID: C99-15559
 Matrix: Water
 Dilution Factor: 20

Date Sampled: 02-10-99
 Time Sampled: 14:45
 Date Received: 02-11-99
 Date Analyzed: 02-11-99
 Date Reported: February 17, 1999

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	487	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	30.6	10.0
78-93-3	2 -Butanone (MEK)	ND	200
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	9.40 J	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	159	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	1,400	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 - Analyte passes MS identification criteria, but is less than stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-9.2/99
Laboratory ID: C99-15559

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-9

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 - Analyte passes MS identification criteria, but is less than stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1768279	1905745	92.8%	50 - 200 %
Fluorobenzene	3071462	3212696	95.6%	50 - 200 %
1,4 - Difluorobenzene	2362380	2422189	97.5%	50 - 200 %
Chlorobenzene - d5	1745150	1715238	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	798488	818870	97.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.65	96.5%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.44	94.4%	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
Project: 93007L
Sample ID: 93007-13.2/99
Laboratory ID: C99-15560
Matrix: Water
Dilution Factor: 2

Date Sampled: 02-10-99
Time Sampled: 12:40
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-13

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	16.1	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	0.64 J	1.0
78-93-3	2 -Butanone (MEK)	ND	20
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	1.52	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
123-48-1	Dibromochloromethane	ND	1.0
127-18-4	Tetrachloroethene	14.1	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 - Analyte passes MS identification criteria, but is less than stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-13.2/99
Laboratory ID: C99-15560

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	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 - Analyte passes MS identification criteria, but is less than stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1725709	1905745	90.6%	50 - 200 %
Fluorobenzene	3093855	3212696	96.3%	50 - 200 %
1,4 - Difluorobenzene	2333386	2422189	96.3%	50 - 200 %
Chlorobenzene - d5	1731931	1715238	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	777065	818870	94.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.88	98.8%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.37	93.7%	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
Project: 93007L
Sample ID: 93007-14.2/99
Laboratory ID: C99-15561
Matrix: Water
Dilution Factor: 1

Date Sampled: 02-10-99
Time Sampled: 11:05
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-14

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	0.5
74-87-3	Chloromethane	ND	0.5
75-01-4	Vinyl chloride (Chloroethene)	ND	0.5
74-83-9	Bromomethane	ND	0.5
75-00-3	Chloroethane	ND	0.5
75-69-4	Trichlorofluoromethane	ND	0.5
75-35-4	1,1 - Dichloroethene	ND	0.5
75-09-2	Methylene chloride (Dichloromethane)	ND	0.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.5
75-34-3	1,1 - Dichloroethane	ND	0.5
78-93-3	2 -Butanone (MEK)	ND	10
156-59-2	cis - 1,2 - Dichloroethene	ND	0.5
74-97-5	Bromochloromethane	ND	0.5
67-66-3	Chloroform (Trichloromethane)	ND	0.5
594-20-7	2,2 - Dichloropropane	ND	0.5
71-55-6	1,1,1 - Trichloroethane	ND	0.5
107-06-2	1,2 - Dichloroethane	ND	0.5
563-58-6	1,1 - Dichloropropene	ND	0.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.5
71-43-2	Benzene	ND	0.5
74-95-3	Dibromomethane	ND	0.5
78-87-5	1,2 - Dichloropropane	ND	0.5
79-01-6	Trichloroethene	ND	0.5
75-27-4	Bromodichloromethane	ND	0.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.5
79-00-5	1,1,2 - Trichloroethane	ND	0.5
108-88-3	Toluene	ND	0.5
106-93-4	1,2 - Dibromoethane	ND	0.5
142-28-9	1,3 - Dichloropropane	ND	0.5
124-48-1	Dibromochloromethane	ND	0.5
127-18-4	Tetrachloroethene	0.56	0.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.5
108-90-7	Chlorobenzene	ND	0.5
100-41-4	Ethylbenzene	ND	0.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	0.5
100-42-5	Styrene (Ethenylbenzene)	ND	0.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.5
96-18-4	1,2,3 - Trichloropropane	ND	0.5

ND - Analyte not detected at stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-14.2/99
Laboratory ID: C99-15561

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-14

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.5
108-86-1	Bromobenzene	ND	0.5
103-65-1	n - Propylbenzene	ND	0.5
95-49-8	2 - Chlorotoluene	ND	0.5
106-43-4	4 - Chlorotoluene	ND	0.5
108-67-8	1,3,5 - Trimethylbenzene	ND	0.5
98-06-6	tert - Butylbenzene	ND	0.5
95-63-6	1,2,4 - Trimethylbenzene	ND	0.5
135-98-8	sec - Butylbenzene	ND	0.5
541-73-1	1,3 - Dichlorobenzene	ND	0.5
106-46-7	1,4 - Dichlorobenzene	ND	0.5
99-87-6	4-Isopropyltoluene	ND	0.5
95-50-1	1,2 - Dichlorobenzene	ND	0.5
104-51-8	n - Butylbenzene	ND	0.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.5
120-82-1	1,2,4 - Trichlorobenzene	ND	0.5
91-20-3	Naphthalene	ND	0.5
87-68-3	Hexachlorobutadiene	ND	0.5
87-61-6	1,2 3 - Trichlorobenzene	ND	0.5

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1737723	1905745	91.2%	50 - 200 %
Fluorobenzene	3081498	3212696	95.9%	50 - 200 %
1,4 - Difluorobenzene	2339567	2422189	96.6%	50 - 200 %
Chlorobenzene - d5	1731698	1715238	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	784211	818870	95.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.66	96.6%	86 - 118 %
Toluene - d8	10.0	100%	88 - 110 %
4 - Bromofluorobenzene	9.35	93.5%	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
Project: 93007L
Sample ID: 93007-15.2/99
Laboratory ID: C99-15562
Matrix: Water
Dilution Factor: 1

Date Sampled: 02-10-99
Time Sampled: 11:45
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-15

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	0.5
74-87-3	Chloromethane	ND	0.5
75-01-4	Vinyl chloride (Chloroethene)	ND	0.5
74-83-9	Bromomethane	ND	0.5
75-00-3	Chloroethane	ND	0.5
75-69-4	Trichlorofluoromethane	ND	0.5
75-35-4	1,1 - Dichloroethene	0.54	0.5
75-09-2	Methylene chloride (Dichloromethane)	ND	0.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.5
75-34-3	1,1 - Dichloroethane	ND	0.5
78-93-3	2 - Butanone (MEK)	ND	10
156-59-2	cis - 1,2 - Dichloroethene	ND	0.5
74-97-5	Bromochloromethane	ND	0.5
67-66-3	Chloroform (Trichloromethane)	ND	0.5
594-20-7	2,2 - Dichloropropane	ND	0.5
71-55-6	1,1,1 - Trichloroethane	ND	0.5
107-06-2	1,2 - Dichloroethane	ND	0.5
563-58-6	1,1 - Dichloropropene	ND	0.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.5
71-43-2	Benzene	ND	0.5
74-95-3	Dibromomethane	ND	0.5
78-87-5	1,2 - Dichloropropane	ND	0.5
79-01-6	Trichloroethene	ND	0.5
75-27-4	Bromodichloromethane	ND	0.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.5
79-00-5	1,1,2 - Trichloroethane	ND	0.5
108-88-3	Toluene	ND	0.5
106-93-4	1,2 - Dibromoethane	ND	0.5
142-28-9	1,3 - Dichloropropane	ND	0.5
124-48-1	Dibromochloromethane	ND	0.5
127-18-4	Tetrachloroethene	ND	0.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.5
108-90-7	Chlorobenzene	ND	0.5
100-41-4	Ethylbenzene	ND	0.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	0.5
100-42-5	Styrene (Ethenylbenzene)	ND	0.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.5
96-18-4	1,2,3 - Trichloropropane	ND	0.5

ND - Analyte not detected at stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-15.2/99
Laboratory ID: C99-15562

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

mw-15

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.5
108-86-1	Bromobenzene	ND	0.5
103-65-1	n - Propylbenzene	ND	0.5
95-49-8	2 - Chlorotoluene	ND	0.5
106-43-4	4 - Chlorotoluene	ND	0.5
108-67-8	1,3,5 - Trimethylbenzene	ND	0.5
98-06-6	tert - Butylbenzene	ND	0.5
95-63-6	1,2,4 - Trimethylbenzene	ND	0.5
135-98-8	sec - Butylbenzene	ND	0.5
541-73-1	1,3 - Dichlorobenzene	ND	0.5
106-46-7	1,4 - Dichlorobenzene	ND	0.5
99-87-6	4-Isopropyltoluene	ND	0.5
95-50-1	1,2 - Dichlorobenzene	ND	0.5
104-51-8	n - Butylbenzene	ND	0.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.5
120-82-1	1,2,4 - Trichlorobenzene	ND	0.5
91-20-3	Naphthalene	ND	0.5
87-68-3	Hexachlorobutadiene	ND	0.5
87-61-6	1,2,3 - Trichlorobenzene	ND	0.5

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1717364	1905745	90.1 %	50 - 200 %
Fluorobenzene	3133143	3212696	97.5 %	50 - 200 %
1,4 - Difluorobenzene	2353755	2422189	97.2 %	50 - 200 %
Chlorobenzene - d5	1754042	1715238	102 %	50 - 200 %
1,4 - Dichlorobenzene - d4	784881	818870	95.8 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.92	99.2 %	86 - 118 %
Toluene - d8	10.0	100 %	88 - 110 %
4 - Bromofluorobenzene	9.26	92.6 %	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

sec: n:\reports\clients\99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec



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EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-B.2/99
Laboratory ID: C99-15565
Matrix: Water
Dilution Factor: 2

*Duplicate of
mw-15*

Date Sampled: 02-10-99
Time Sampled: 12:00
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	20
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: 93007-B.2/99
Laboratory ID: C99-15565

*duplicate of
mw-15*

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

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	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1691850	1905745	88.8%	50 - 200 %
Fluorobenzene	3109768	3212696	96.8%	50 - 200 %
1,4 - Difluorobenzene	2361736	2422189	97.5%	50 - 200 %
Chlorobenzene - d5	1724024	1715238	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	761095	818870	92.9%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.2	102%	86 - 118 %
Toluene - d8	9.91	99.1%	88 - 110 %
4 - Bromofluorobenzene	9.16	91.6%	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

sec: r:\reports\clients99\western_water_consultants\99_15554_8260_w.xls

Analyst: yw
Reviewed: sec

EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: 93007-S04.2/99
Laboratory ID: C99-15563
Matrix: Water
Dilution Factor: 2

*Shell station well
P-4
(m.w.-4)*

Date Sampled: 02-10-99
Time Sampled: 12:10
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION		LIMIT OF
		(µg/L)		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	79.0		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	25.2		1.0
78-93-3	2 -Butanone (MEK)	ND		20
156-59-2	cis - 1,2 - Dichloroethene	2.06		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	15.8		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	0.84	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	4.60		1.0
630-20-6	1,1,1,2 - Tetrachloroethane	ND		1.0
108-90-7	Chlorobenzene	ND		1.0
100-41-4	Ethylbenzene	12.5		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 - Analyte passes MS identification criteria, but is less than stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-S04.2/99
Laboratory ID: C99-15563

Date Sampled: 02-10-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

Shell Station
W-21 (mud)

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	1.74	1.0
108-86-1	Bromobenzene	ND	1.0
103-65-1	n - Propylbenzene	3.46	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	26.9	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	13.1	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

J - Analyte passes MS identification criteria, but is less than stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1682328	1905745	88.3%	50 - 200 %
Fluorobenzene	3075774	3212696	95.7%	50 - 200 %
1,4 - Difluorobenzene	2432509	2422189	100%	50 - 200 %
Chlorobenzene - d5	1741141	1715238	102%	50 - 200 %
1,4 - Dichlorobenzene - d4	782911	818870	95.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.3	103%	86 - 118 %
Toluene - d8	9.78	97.8%	88 - 110 %
4 - Bromofluorobenzene	9.53	95.3%	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

EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L
Sample ID: TRIP BLANK
Laboratory ID: C99-15566
Matrix: Water
Dilution Factor: 1

Date Sampled: 02-04-99
Time Sampled: 14:30
Date Received: 02-11-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
75-71-8	Dichlorodifluoromethane	ND	0.5
74-87-3	Chloromethane	ND	0.5
75-01-4	Vinyl chloride (Chloroethene)	ND	0.5
74-83-9	Bromomethane	ND	0.5
75-00-3	Chloroethane	ND	0.5
75-69-4	Trichlorofluoromethane	ND	0.5
75-35-4	1,1 - Dichloroethene	ND	0.5
75-09-2	Methylene chloride (Dichloromethane)	ND	0.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.5
75-34-3	1,1 - Dichloroethane	ND	0.5
78-93-3	2 - Butanone (MEK)	ND	10
156-59-2	cis - 1,2 - Dichloroethene	ND	0.5
74-97-5	Bromochloromethane	ND	0.5
67-66-3	Chloroform (Trichloromethane)	ND	0.5
594-20-7	2,2 - Dichloropropane	ND	0.5
71-55-6	1,1,1 - Trichloroethane	ND	0.5
107-06-2	1,2 - Dichloroethane	ND	0.5
563-58-6	1,1 - Dichloropropene	ND	0.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.5
71-43-2	Benzene	ND	0.5
74-95-3	Dibromomethane	ND	0.5
78-87-5	1,2 - Dichloropropane	ND	0.5
79-01-6	Trichloroethene	ND	0.5
75-27-4	Bromodichloromethane	ND	0.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.5
79-00-5	1,1,2 - Trichloroethane	ND	0.5
108-88-3	Toluene	ND	0.5
106-93-4	1,2 - Dibromoethane	ND	0.5
142-28-9	1,3 - Dichloropropane	ND	0.5
124-48-1	Dibromochloromethane	ND	0.5
127-18-4	Tetrachloroethene	ND	0.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.5
108-90-7	Chlorobenzene	ND	0.5
100-41-4	Ethylbenzene	ND	0.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	0.5
100-42-5	Styrene (Ethenylbenzene)	ND	0.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.5
96-18-4	1,2,3 - Trichloropropane	ND	0.5

ND - Analyte not detected at stated limit of detection



EPA METHOD 8260

Client: Western Water Consultants
Sample ID: TRIP BLANK
Laboratory ID: C99-15566

Date Sampled: 02-04-99
Date Analyzed: 02-11-99
Date Reported: February 17, 1999

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	LIMIT OF DETECTION (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.5
108-86-1	Bromobenzene	ND	0.5
103-65-1	n - Propylbenzene	ND	0.5
95-49-8	2 - Chlorotoluene	ND	0.5
106-43-4	4 - Chlorotoluene	ND	0.5
108-67-8	1,3,5 - Trimethylbenzene	ND	0.5
98-06-6	tert - Butylbenzene	ND	0.5
95-63-6	1,2,4 - Trimethylbenzene	ND	0.5
135-98-8	sec - Butylbenzene	ND	0.5
541-73-1	1,3 - Dichlorobenzene	ND	0.5
106-46-7	1,4 - Dichlorobenzene	ND	0.5
99-87-6	4-Isopropyltoluene	ND	0.5
95-50-1	1,2 - Dichlorobenzene	ND	0.5
104-51-8	n - Butylbenzene	ND	0.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.5
120-82-1	1,2,4 - Trichlorobenzene	ND	0.5
91-20-3	Naphthalene	ND	0.5
87-68-3	Hexachlorobutadiene	ND	0.5
87-61-6	1,2 3 - Trichlorobenzene	ND	0.5

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1692389	1905745	88.8%	50 - 200 %
Fluorobenzene	3118605	3212696	97.1%	50 - 200 %
1,4 - Difluorobenzene	2345346	2422189	96.8%	50 - 200 %
Chlorobenzene - d5	1726090	1715238	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	746552	818870	91.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.1	101%	86 - 118 %
Toluene - d8	9.88	98.8%	88 - 110 %
4 - Bromofluorobenzene	9.15	91.5%	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

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Analyst: yw
Reviewed: sec

GW-73

**2004 ANNUAL REPORT
SCHLUMBERGER OILFIELD SERVICES
HOBBS, NEW MEXICO**

January 28, 2005

Prepared For:

Schlumberger Oilfield Services
200 Gillingham Lane, MD7
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1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents monitoring and remedial activities performed in 2004 at the Schlumberger Oilfield Services Facility in Hobbs, New Mexico (Figures 1 and 2). Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2004 consisted of air and ground-water monitoring, and routine remediation system operation and maintenance. The following sections provide an overview of the field work performed, discussion of the data, and recommendations for 2005.

2.0 GROUND-WATER MONITORING

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Ground-water monitoring was performed quarterly in 2004 by WWC personnel. The fourth quarter monitoring event was performed October 29, 2004. Results of the previous sampling events for 2003 were presented in reports to the New Mexico Oil and Conservation Division (NMOCD) dated March 12, 2004; May 12, 2004; and September 9, 2004.

2.1 Static Water Level

Static water levels were measured quarterly in 2004 using an oil/water interface probe. The probe was decontaminated between wells with Simple Green and a distilled water rinse. Fourth quarter water level measurements are presented in Table 1, along with historic water level data for comparison. Free product has never been detected at this site.

A map of the potentiometric surface generated from the fourth quarter water level elevations is presented as Figure 3. The ground-water flow direction continues to flow to the east with a hydraulic gradient of 0.006 consistent with earlier determinations of ground-water flow. Ground-water elevations increased 0.7 feet in the last quarter due to large precipitation events. This is counter to the downward trend observed since 1996

2.2 Ground-water Sampling

Ground-water samples were collected from monitoring wells MW-2, 4, 6, 7, 8, 9, 13, 14, and 15 during the first three quarters in 2004. During the fourth quarter monitoring event, ground-water samples were collected from all monitoring wells. The Shell Station well was not sampled due to a lack of water. A minimum of three well volumes of ground-water were purged from each well using a Redi-flow submersible pump. The submersible pump was decontaminated with a Simple Green solution and clean water rinse between wells. Purge water was placed into two galvanized steel stock tanks on site and allowed to evaporate.

Ground-water samples were collected using disposable polyethylene bailers and analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-4 and MW-15. The analytical results for the fourth quarter monitoring event are provided in Table 2 along with historical data for comparison. Laboratory analytical reports for the fourth quarter monitoring event are presented as Appendix A.

***3.0 SOIL VAPOR EXTRACTION
SYSTEM MONITORING***

3.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

Air samples were collected quarterly from the three soil vapor extraction (SVE) systems in 2004 and analyzed for volatile organics by EPA Methods 8260. Results of the air quality monitoring are provided on Table 3 along with historical data for comparison. Laboratory data reports are presented as Appendix A. As expected, concentrations in the air being removed is declining. At the former UST System, halocarbons continue to be removed. At the former Waste Pond System, both aromatic and halocarbon compounds are removed. Concentrations in the air at the Acid Dock System are below detectable levels.

4.0 DISCUSSION

4.0 DISCUSSION

Constituents detected in the ground-water at the Hobbs facility are declining. Each monitoring well that has had detections in the past now exhibits an overall downward trend. Concentrations of aromatic hydrocarbon have declined to the extent that ground-water at monitoring wells have no measurements of BTEX constituents above MCL's.

As shown on Table 2, halocarbons remain consistent with historic declining trends in most monitoring wells. All wells declined in concentrations during the fourth quarter with especially significant declines at MW-6 and MW-13. Halocarbon concentrations have declined in the ground-water such that only wells MW-4, MW-5, MW-7, and MW-8 have any concentrations above MCL's. These are very low concentrations of halocarbons, only slightly above MCL's. Plots were constructed for static water level versus various halocarbon concentrations to illustrate the declines and/or stabilization of constituents at individual wells (Appendix B). An isoconcentration map for total halocarbons (Figure 4) was constructed with the fourth quarter water quality data. As shown the concentrations are declining significantly. .

SVE and air-sparge systems at the Hobbs facility have run almost 100 percent of the time during 2004 as shown on Figures 5 and 6. The UST system was down for a few days in July due to excess water generation..

Air quality monitoring indicates both BTEX and halocarbon constituents continue to be removed in the former wastewater collection area. As shown on Table 3, total concentrations have declined from high levels of 425.8 parts per million (ppm) BTEX and 680.7 ppm halocarbons in 1995 to 6.5 ppm BTEX and 10.7 ppm halocarbons in October 2004. The decline of these

constituents in air samples and in the water quality monitoring at MW-2 indicates the area is being successfully remediated. MW-2 is now below MCL's for all constituents.

BTEX constituents detected in air samples from the former UST area remain at nondetect levels, while halocarbons have declined from a high level of 1379.58 ppm in 1995 to 7.0 in October 2004 (Table 3). As shown on Table 2, halocarbons in MW-4 have declined from a high level of 5.9 ppm in 1996 to a low of 0.005 ppm in 2004. In the downgradient well MW-9, halocarbons have declined from greater than 2 ppm in 1997 and 1998, to 0.002 ppm in October 2004. Continued SVE and air sparging of the soil and water should facilitate further declines of halocarbon constituents in the ground-water at this area.

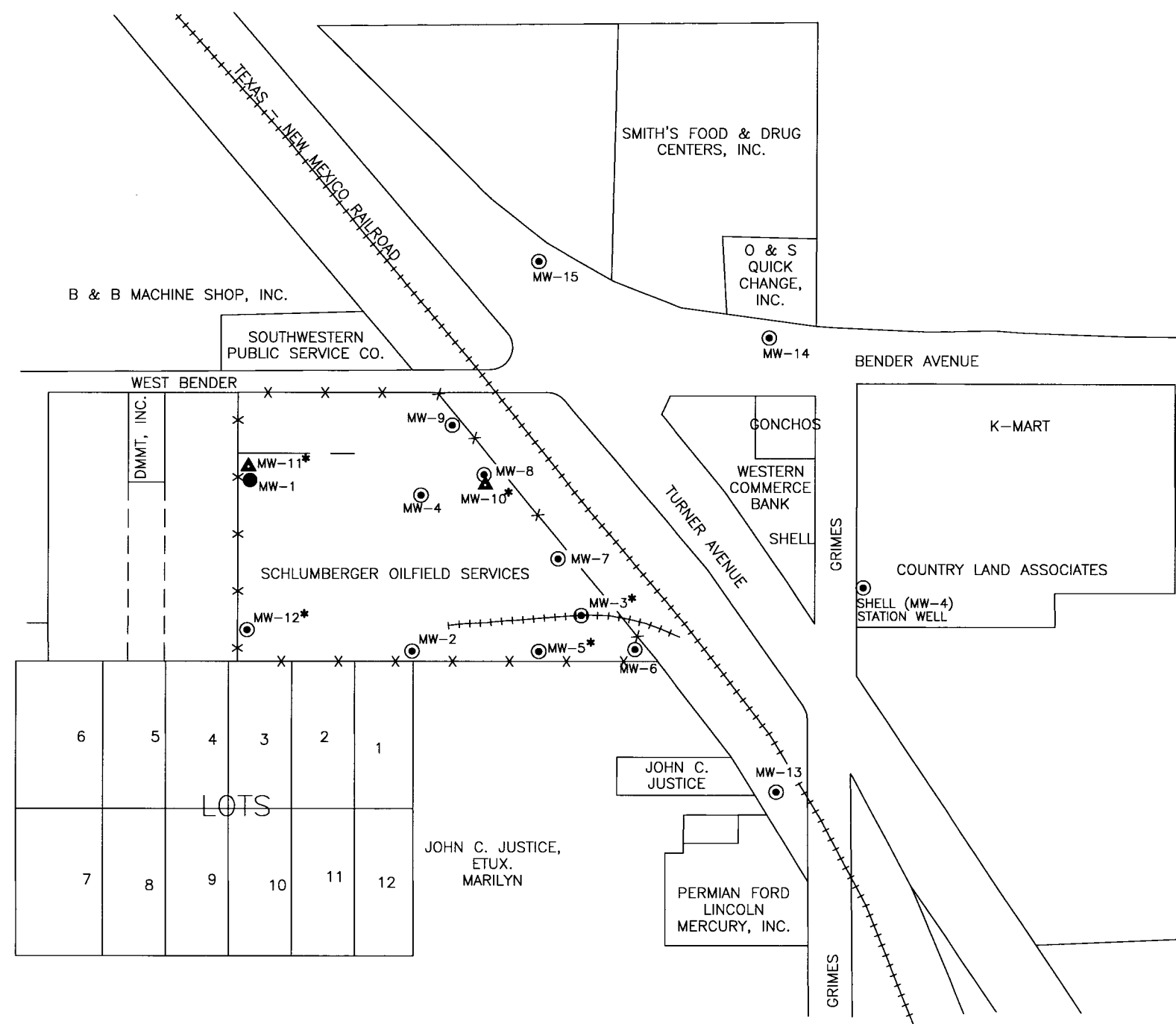
Air samples collected from the acid plant SVE system were nondetect for both BTEX and halocarbon constituents in 2004. However, constituents detected in the ground-water at monitoring wells MW-3, MW-5, MW-6, and MW-7 have either declined or remained relatively stable.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

As mentioned previously, hydrocarbons remain below MCL's in the ground-water at perimeter monitoring wells MW-14 and MW-15. Hydrocarbons and chlorocarbons have been declining in the former wastewater collection area and former UST and have either declined or stabilized in the acid plant area. Dowell recommends that the quarterly ground-water monitoring schedule remain unchanged with monitoring wells MW-3, MW-5, MW-10, MW-11, and MW-12 to be sampled only during the fourth quarter. Static water levels are proposed to be collected from all monitoring wells on a quarterly basis. Operation of the Acid Dock SVE, Waste Pond SVE, and the UST SVE and air-sparge system will continue.

FIGURES



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

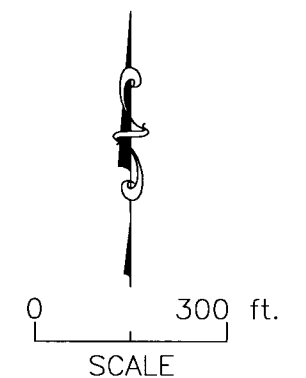
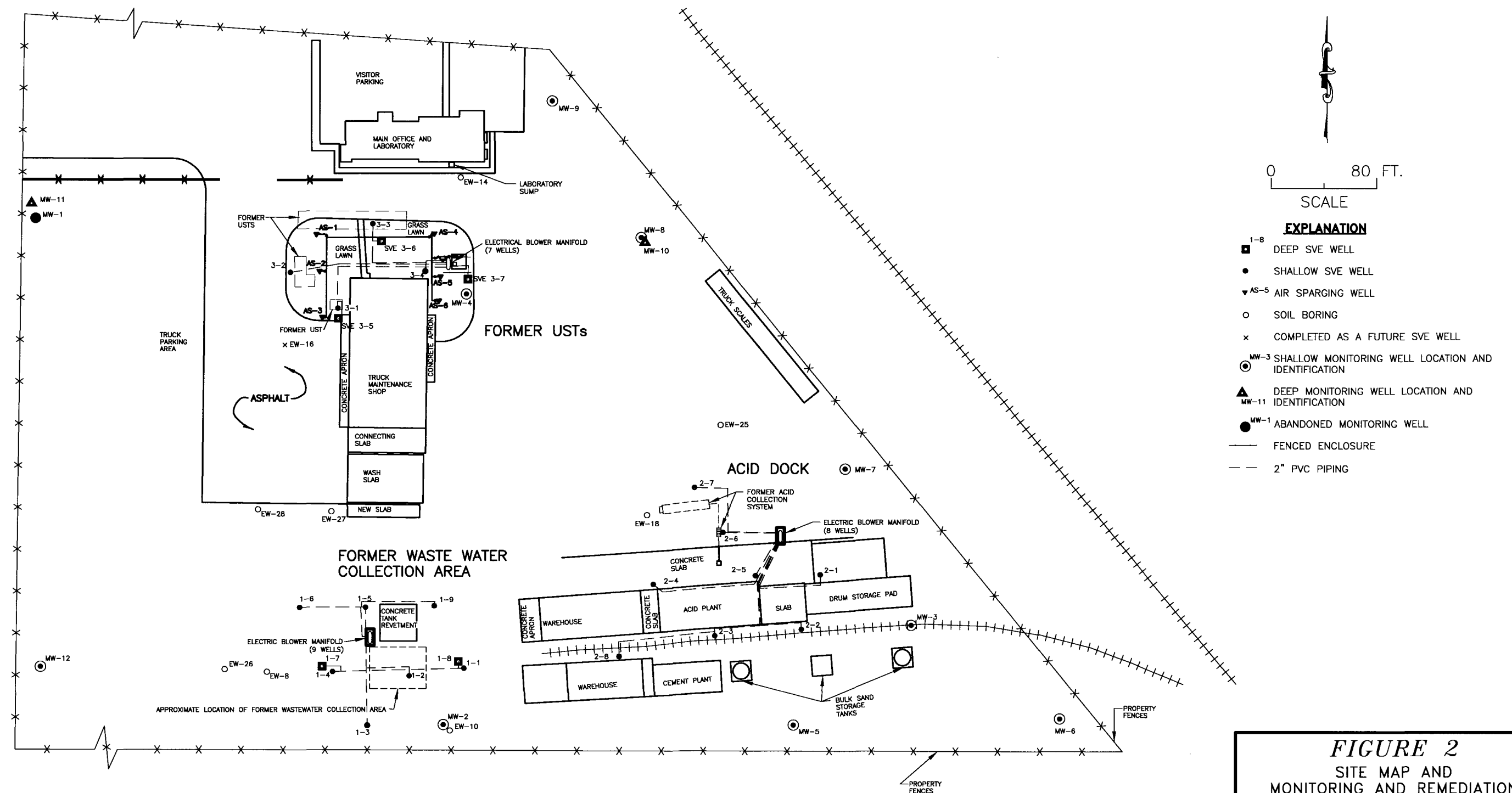


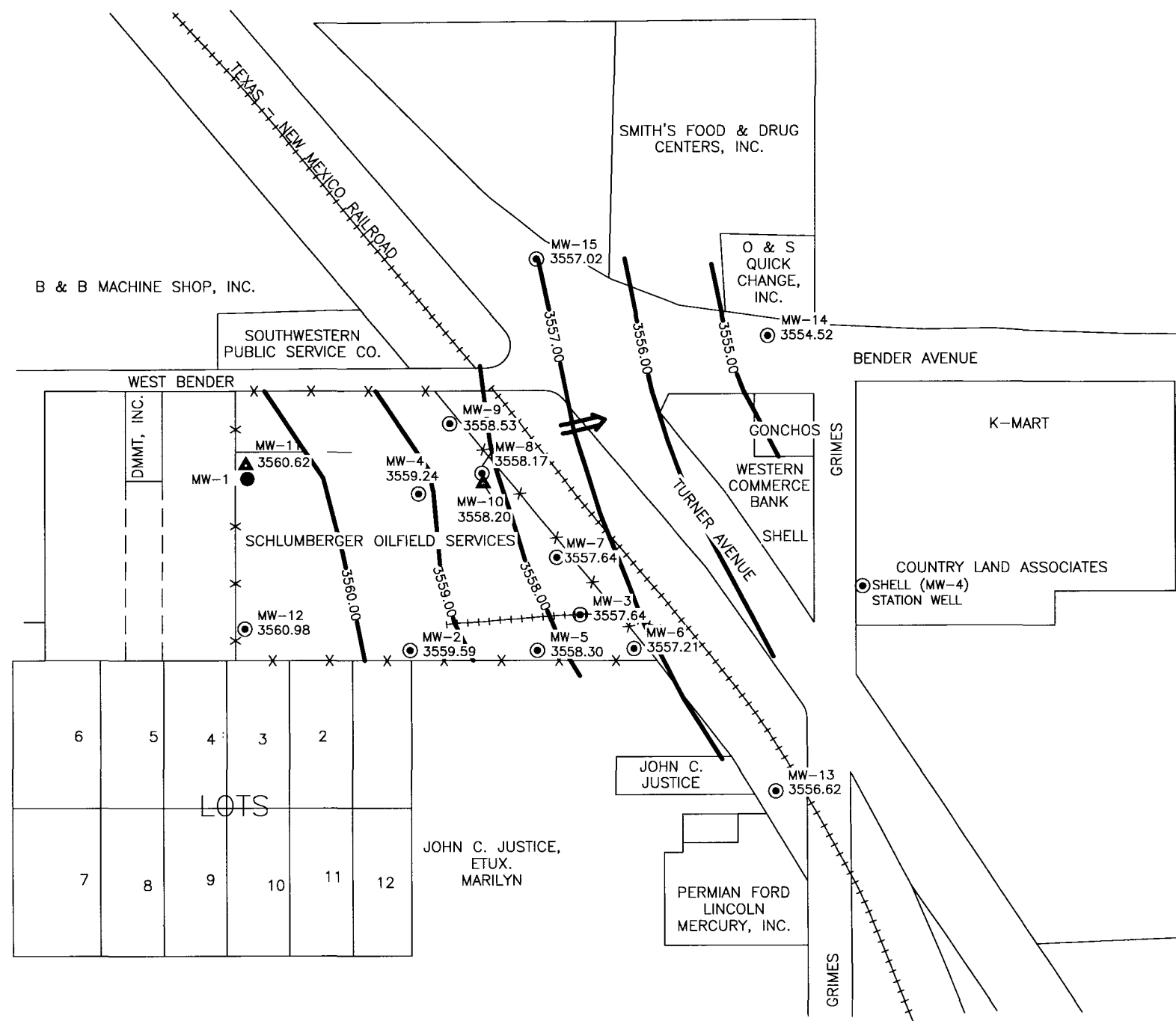
FIGURE 1

MONITORING WELL LOCATIONS

SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM







EXPLANATION

- MW-14 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 — POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- ⇐ GROUND-WATER FLOW DIRECTION

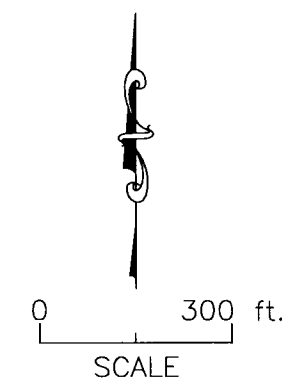
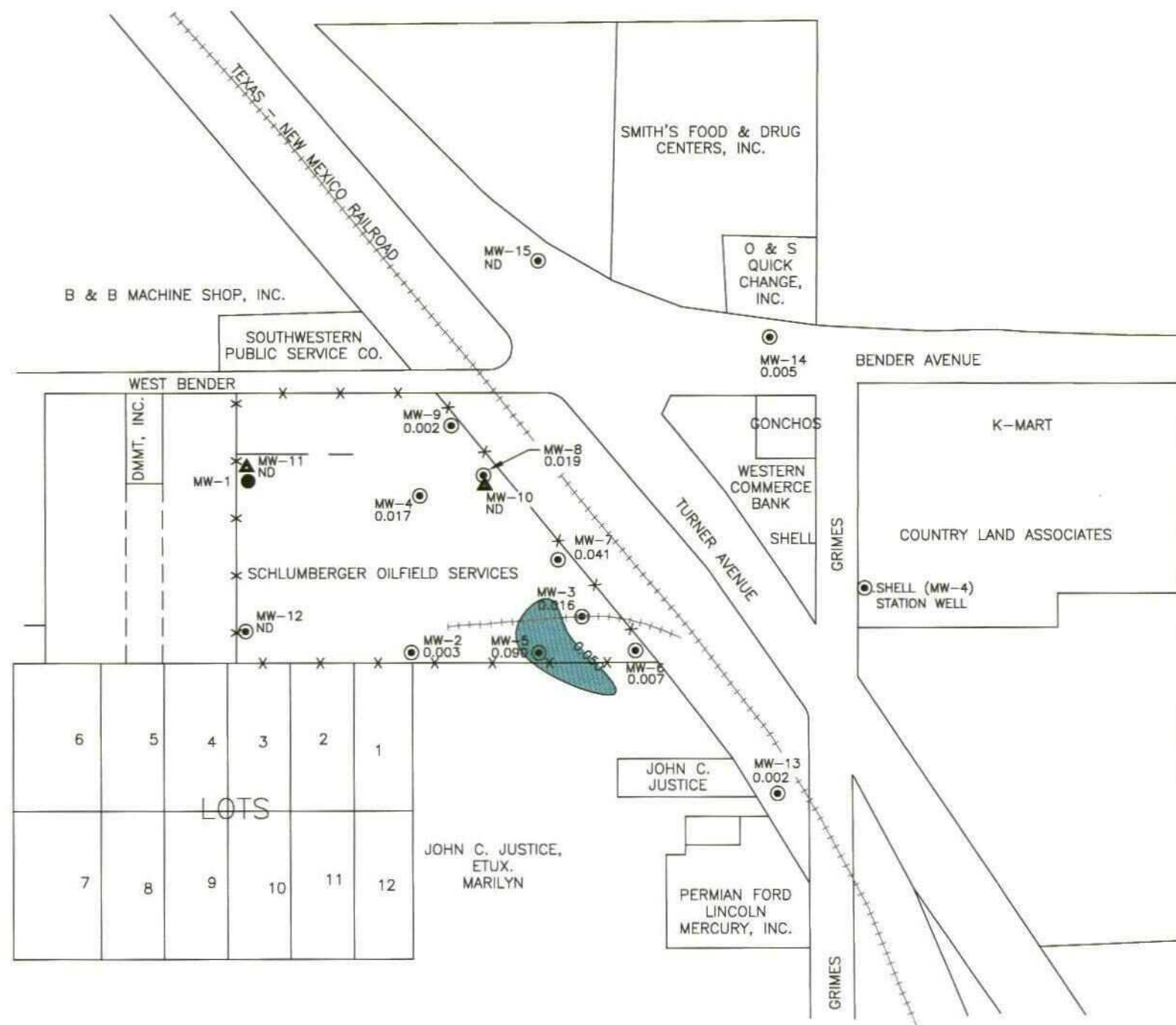


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(10/29/04)

SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBBS, NM

WWCENGINEERING



EXPLANATION

- MW-8 0.019 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-10 ND ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00' TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

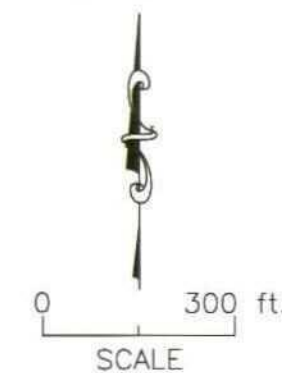
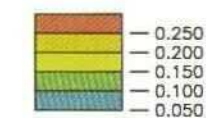


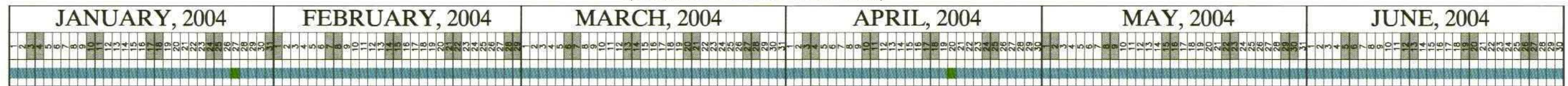
FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(10/29/04 - 10/30/04)

SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM

WWCENGINEERING

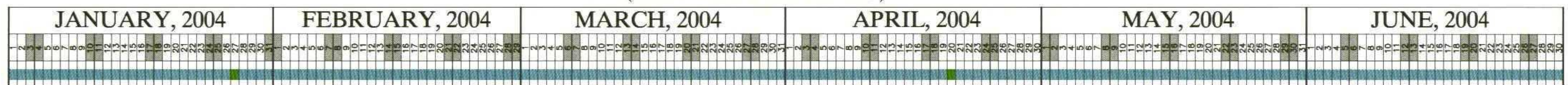
FORMER WASTE WATER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



ACID DOCK, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER USTs, UNIT 3

(OPERATION PERCENTAGE 100%)



EXPLANATION



UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS
FOR ROUTINE MAINTENANCE



UNIT IS NOT OPERATING



AIR SAMPLES COLLECTED

FIGURE 5

SVE OPERATION TIMELINE
01/01/04 THRU 06/30/04

SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM



FORMER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



ACID PLANT, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER UST, UNIT 3

(OPERATION PERCENTAGE 99%)



EXPLANATION



UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS
FOR ROUTINE MAINTENANCE



UNIT IS NOT OPERATING



AIR SAMPLES COLLECTED

FIGURE 6

SVE OPERATION TIMELINE
07/01/04 THRU 12/31/04

SCHLUMBERGER TECHNOLOGY CORPORATION
HOBBS, NM

 **WWC**ENGINEERING

TABLES

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
		01/16/01		75.04	3562.22	-1.00
		04/10/01		74.73	3562.53	0.31
		07/17/01		75.65	3561.61	-0.92
		10/16/01		75.57	3561.69	0.08
		01/13/02		76.00	3561.26	-0.43
		04/21/02		76.32	3560.94	-0.32
		07/23/02		76.76	3560.50	-0.44
		10/17/02		77.00	3560.26	-0.24
		01/21/03		77.15	3560.11	-0.15
		04/22/03		77.38	3559.88	-0.23
		07/15/03		77.64	3559.62	-0.26
		10/14/03		77.83	3559.43	-0.19
		01/27/04		78.13	3559.13	-0.30
		04/20/04		78.26	3559.00	-0.13
		07/17/04		78.36	3558.90	-0.10
		10/29/04		77.67	3559.59	0.69
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
		01/16/01		77.24	3561.04	-0.36
		04/10/01		77.59	3560.69	-0.35
		07/17/01		78.00	3560.28	-0.41
		10/16/01		78.39	3559.89	-0.39
		01/13/02		78.80	3559.48	-0.41
		04/21/02		79.21	3559.07	-0.41
		07/23/02		79.50	3558.78	-0.29
		10/17/02		79.78	3558.50	-0.28
		01/21/03		79.97	3558.31	-0.19
		04/22/03		80.19	3558.09	-0.22
		07/15/03		80.48	3557.80	-0.29
		10/14/03		80.73	3557.55	-0.25
		01/27/04		81.01	3557.27	-0.28
		04/20/04		81.19	3557.09	-0.18
		07/17/04		80.31	3557.97	0.88
		10/29/04		80.64	3557.64	-0.33

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11
		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
		01/16/01		76.76	3562.44	-0.24
		04/10/01		77.27	3561.93	-0.51
		07/17/01		77.35	3561.85	-0.08
		10/16/01		77.71	3561.49	-0.36
		01/13/02		78.57	3560.63	-0.86
		04/21/02		78.89	3560.31	-0.32
		07/23/02		79.24	3559.96	-0.35
		10/17/02		79.54	3559.66	-0.30
		01/21/03		79.64	3559.56	-0.10
		04/22/03		79.77	3559.43	-0.13
		07/15/03		79.84	3559.36	-0.07
		10/14/03		80.24	3558.96	-0.40
		01/27/04		80.49	3558.71	-0.25
		04/20/04		80.66	3558.54	-0.17
		07/17/04		80.70	3558.50	-0.04
		10/29/04		79.96	3559.24	0.74
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
		01/16/01		76.04	3561.66	-0.36
		04/10/01		76.38	3561.32	-0.34
		07/17/01		76.82	3560.88	-0.44
		10/16/01		77.24	3560.46	-0.42
		01/13/02		77.62	3560.08	-0.38
		04/21/02		78.04	3559.66	-0.42
		07/23/02		78.30	3559.40	-0.26
		10/17/02		78.68	3559.02	-0.38
		01/21/03		78.85	3558.85	-0.17
		04/22/03		79.09	3558.61	-0.24
		07/15/03		79.30	3558.40	-0.21
		10/14/03		79.58	3558.12	-0.28
		01/27/04		79.82	3557.88	-0.24
		04/20/04		80.00	3557.70	-0.18
		07/17/04		80.11	3557.59	-0.11
		10/29/04		79.40	3558.30	0.71

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
		01/16/01		77.00	3560.52	-0.36
		04/10/01		77.34	3560.18	-0.34
		07/17/01		77.77	3559.75	-0.43
		10/16/01		78.16	3559.36	-0.39
		01/13/02		78.56	3558.96	-0.40
		04/21/02		78.90	3558.62	-0.34
		07/23/02		79.23	3558.29	-0.33
		10/17/02		79.49	3558.03	-0.26
		01/21/03		79.69	3557.83	-0.20
		04/22/03		79.93	3557.59	-0.24
		07/15/03		80.18	3557.34	-0.25
		10/14/03		80.47	3557.05	-0.29
		01/27/04		80.77	3556.75	-0.30
		04/20/04		80.92	3556.60	-0.15
		07/17/04		81.05	3556.47	-0.13
		10/29/04		80.31	3557.21	0.74
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26
		01/25/00		76.23	3562.39	-0.29
		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
		01/16/01		77.55	3561.07	-0.39
		04/10/01		77.88	3560.74	-0.33
		07/17/01		78.29	3560.33	-0.41
		10/16/01		78.68	3559.94	-0.39
		01/13/02		79.12	3559.50	-0.44
		04/21/02		79.48	3559.14	-0.36
		07/23/02		79.79	3558.83	-0.31
		10/17/02		80.08	3558.54	-0.29
		01/21/03		80.26	3558.36	-0.18
		04/22/03		80.49	3558.13	-0.23
		07/15/03		80.69	3557.93	-0.20
		10/14/03		80.96	3557.66	-0.27
		01/27/04		81.22	3557.40	-0.26
		04/20/04		81.45	3557.17	-0.23
		07/17/04		81.57	3557.05	-0.12
		10/29/04		80.98	3557.64	0.59
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-8 (Cont.)		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.80	3561.91	-0.32
		01/16/01		77.18	3561.53	-0.38
		04/10/01		77.49	3561.22	-0.31
		07/17/01		77.92	3560.79	-0.43
		10/16/01		78.26	3560.45	-0.34
		01/13/02		78.74	3559.97	-0.48
		04/21/02		79.11	3559.60	-0.37
		07/23/02		79.42	3559.29	-0.31
		10/17/02		79.67	3559.04	-0.25
		01/21/03		79.91	3558.80	-0.24
		04/22/03		80.12	3558.59	-0.21
		07/15/03		80.32	3558.39	-0.20
		10/14/03		80.57	3558.14	-0.25
		01/27/04		80.83	3557.88	-0.26
		04/20/04		81.02	3557.69	-0.19
		07/17/04		81.16	3557.55	-0.14
		10/29/04		80.54	3558.17	0.62
MW-9	3638.76	01/22/97	85	72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
		01/16/01		77.03	3561.73	-0.41
		04/10/01		77.34	3561.42	-0.31
		07/17/01		77.77	3560.99	-0.43
		10/16/01		78.11	3560.65	-0.34
		01/13/02		78.60	3560.16	-0.49
		04/21/02		78.96	3559.80	-0.36
		07/23/02		79.29	3559.47	-0.33
		10/17/02		79.56	3559.20	-0.27
		01/21/03		79.78	3558.98	-0.22
		04/22/03		79.95	3558.81	-0.17
		07/15/03		80.12	3558.64	-0.17
		10/14/03		80.35	3558.41	-0.23
		01/27/04		80.63	3558.13	-0.28
		04/20/04		80.81	3557.95	-0.18
		07/17/04		80.94	3557.82	-0.13
		10/29/04		80.23	3558.53	0.71
MW-10	3638.86	05/27/97	130.5	73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-10 (Cont.)		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34
		01/16/01		77.34	3561.52	-0.37
		04/10/01		77.68	3561.18	-0.34
		07/17/01		78.06	3560.80	-0.38
		10/16/01		78.42	3560.44	-0.36
		01/13/02		78.88	3559.98	-0.46
		04/21/02		79.31	3559.55	-0.43
		07/23/02		79.64	3559.22	-0.33
		10/17/02		79.93	3558.93	-0.29
		01/21/03		80.06	3558.80	-0.13
		04/22/03		80.29	3558.57	-0.23
		07/15/03		80.44	3558.42	-0.15
		10/14/03		80.70	3558.16	-0.26
		01/27/04		80.94	3557.92	-0.24
		04/20/04		81.2	3557.66	-0.26
		07/17/04		81.31	3557.55	-0.11
		10/29/04		80.66	3558.20	0.65
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
		01/16/01		74.88	3563.67	-0.44
		04/10/01		75.25	3563.30	-0.37
		07/17/01		75.74	3562.81	-0.49
		10/16/01		76.14	3562.41	-0.40
		01/13/02		76.50	3562.05	-0.36
		04/21/02		76.88	3561.67	-0.38
		07/23/02		77.22	3561.33	-0.34
		10/17/02		77.48	3561.07	-0.26
		01/21/03		77.71	3560.84	-0.23
		04/22/03		77.88	3560.67	-0.17
		07/15/03		78.05	3560.50	-0.17
		10/14/03		78.28	3560.27	-0.23
		01/27/04		78.48	3560.07	-0.20
		04/20/04		78.62	3559.93	-0.14
		07/17/04		78.78	3559.77	-0.16
		10/29/04		77.93	3560.62	0.85
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
		01/16/01		72.00	3564.15	-0.54
		04/10/01		72.93	3563.22	-0.93
		07/17/01		72.92	3563.23	0.01
		10/16/01		73.32	3562.83	-0.40
		01/13/02		73.72	3562.43	-0.40

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-12 (Cont.)		04/21/02		74.08	3562.07	-0.36
		07/23/02		74.42	3561.73	-0.34
		10/17/02		74.72	3561.43	-0.30
		01/21/03		74.90	3561.25	-0.18
		04/22/03		75.14	3561.01	-0.24
		07/15/03		75.35	3560.80	-0.21
		10/14/03		75.55	3560.60	-0.20
		01/27/04		75.76	3560.39	-0.21
		04/20/04		75.93	3560.22	-0.17
		07/17/04		76.02	3560.13	-0.09
		10/29/04		75.17	3560.98	0.85
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
		10/20/99		73.88	3561.51	0.29
	3634.76	01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
		01/16/01		75.33	3559.43	-0.38
		04/10/01		75.65	3559.11	-0.32
		07/17/01		76.04	3558.72	-0.39
		10/16/01		76.42	3558.34	-0.38
		01/13/02		76.82	3557.94	-0.40
		04/21/02		77.11	3557.65	-0.29
		07/23/02		77.41	3557.35	-0.30
		10/17/02		77.72	3557.04	-0.31
		01/21/03		77.82	3556.94	-0.10
		04/22/03		78.07	3556.69	-0.25
		07/15/03		78.45	3556.31	-0.38
		10/14/03		78.74	3556.02	-0.29
		01/27/04		79.04	3555.72	-0.30
		04/20/04		78.96	3555.80	0.08
		07/17/04		79.28	3555.48	-0.32
		10/29/04		78.14	3556.62	1.14
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17
		07/16/98		75.98	3561.21	-0.37
		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
		01/16/01		78.91	3558.28	-0.40
		04/10/01		79.24	3557.95	-0.33
		07/17/01		79.66	3557.53	-0.42
		10/16/01		80.06	3557.13	-0.40
		01/13/02		80.40	3556.79	-0.34
		04/21/02		80.78	3556.41	-0.38
		07/23/02		81.05	3556.14	-0.27
		10/17/02		81.36	3555.83	-0.31
		01/21/03		81.59	3555.60	-0.23
		04/22/03		81.77	3555.42	-0.18
		07/15/03		82.03	3555.16	-0.26
		10/14/03		82.27	3554.92	-0.24
		01/27/04		82.57	3554.62	-0.30

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-14 (Cont.)		04/20/04		82.77	3554.42	-0.20
		07/16/04		82.92	3554.27	-0.15
		10/29/04		82.67	3554.52	0.25
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31
		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
		01/16/01		76.27	3560.30	-0.42
		04/10/01		76.58	3559.99	-0.31
		07/17/01		77.01	3559.56	-0.43
		10/16/01		77.44	3559.13	-0.43
		01/13/02		77.87	3558.70	-0.43
		04/21/02		78.18	3558.39	-0.31
		07/23/02		78.53	3558.04	-0.35
		10/17/02		78.72	3557.85	-0.19
		01/21/03		79.00	3557.57	-0.28
		04/22/03		79.16	3557.41	-0.16
		07/15/03		79.36	3557.21	-0.20
		10/14/03		79.60	3556.97	-0.24
		01/27/04		79.83	3556.74	-0.23
		04/20/04		80.03	3556.54	-0.20
		07/16/04		80.14	3556.43	-0.11
		10/29/04		79.55	3557.02	0.59
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31
		01/16/01		79.83	3557.86	-0.34
		04/10/01		80.14	3557.55	-0.31
		Shell Station			07/17/01	80.53
10/16/01	80.85		3556.84		-0.32	
01/13/02	81.27		3556.42		-0.42	
04/21/02	81.61		3556.08		-0.34	
07/23/02	81.63		3556.06		-0.02	
10/17/02	81.69		3556.00		-0.06	
01/21/03	81.71		3555.98		-0.02	
04/22/03	81.77		3555.92		-0.06	
07/15/03	81.56		3556.13		0.21	
10/14/03	79.94		3557.75		1.62	
	01/27/04	82.27	3555.42	-2.33		

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.000	0.000	0.015
	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.008
Abandoned															
MW-2 Duplicate	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.012	0.044	ND(0.002)	0.014	ND(0.002)	0.134	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.015	0.044	ND(0.002)	0.024	ND(0.002)	0.135	0.353
	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.030	0.247	ND(0.005)	0.049	ND(0.005)	0.193	0.648
	01/22/97	0.019	0.009	0.014	0.016	0.082	ND(0.005)	0.011	0.011	0.083	ND(0.005)	0.017	ND(0.005)	0.058	0.193
	05/23/97	0.009	0.004	0.003	0.005	0.039	ND(0.001)	0.007	0.007	0.057	ND(0.001)	0.014	ND(0.001)	0.021	0.117
	06/25/97	0.011	0.005	0.007	0.007	0.090	ND(0.002)	0.009	0.009	0.180	ND(0.002)	0.027	ND(0.002)	0.030	0.806
	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.004	0.097	ND(0.002)	0.011	ND(0.002)	0.007	0.143
	10/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.002	0.023	ND(0.002)	0.012	ND(0.002)	0.005	0.049
	01/06/98	0.004	0.002	0.001	0.001	0.023	ND(0.002)	0.002	0.002	0.043	ND(0.002)	0.007	ND(0.002)	0.008	0.075
	04/16/98	0.010	ND(0.002)	0.022	0.001	0.053	ND(0.002)	0.008	0.008	0.130	ND(0.002)	0.058	ND(0.002)	0.013	0.249
	04/16/98	0.010	ND(0.001)	ND(0.001)	ND(0.001)	0.058	ND(0.001)	0.008	0.008	0.142	ND(0.001)	0.064	ND(0.001)	0.010	0.272
	07/17/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.001	0.001	0.013	ND(0.002)	0.034	ND(0.002)	0.001	0.054
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.003	0.003	0.011	ND(0.002)	0.018	ND(0.002)	0.002	0.052
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.018	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.035	ND(0.001)	0.000	0.060
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.034	ND(0.001)	0.000	0.057
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.037	ND(0.001)	0.005	0.005	0.007	0.001	0.094	ND(0.001)	0.000	0.144
MW-3 Duplicate	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	0.002	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.000	0.034
	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	0.001	0.001	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.000	0.028
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.002)	0.003	0.003	ND(0.001)	ND(0.001)	0.041	ND(0.001)	0.000	0.057
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	0.001	0.001	ND(0.001)	ND(0.001)	0.023	ND(0.001)	0.000	0.032
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.000	0.011
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	0.008
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.004
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.002
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002
MW-3 Duplicate	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.001
	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.001
	04/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.000
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001
	01/27/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.003
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.002
	07/17/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001
	10/30/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.003
	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.007	0.007	ND(0.002)	0.012	ND(0.002)	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.007	0.028	ND(0.002)	0.019	ND(0.002)	0.000	0.071
	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.027	ND(0.002)	0.010	0.010	0.014	ND(0.002)	0.016	ND(0.002)	0.000	0.067
	05/22/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.026	0.001	0.015	0.015	0.015	ND(0.001)	0.016	ND(0.001)	0.002	0.073
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.033	0.002	0.012	0.012	0.008	ND(0.002)	0.012	ND(0.002)	0.003	0.067
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.008	0.011	ND(0.002)	0.022	ND(0.002)	0.001	0.063

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-5	01/23/97	0.018	0.004	ND(0.001)	0.001	0.180	0.002	0.020	0.036	0.001	0.012	0.023	0.023	0.023	0.251
	01/23/97	0.018	0.004	ND(0.001)	0.001	0.190	0.002	0.018	0.034	0.001	0.009	0.009	0.023	0.023	0.254
Duplicate	05/23/97	0.029	ND(0.002)	ND(0.002)	ND(0.004)	0.191	0.003	0.055	0.059	0.002	0.079	0.029	0.029	0.029	0.389
	07/28/97	0.051	0.023	ND(0.002)	0.007	0.241	0.004	0.072	0.051	0.002	0.058	0.081	0.081	0.081	0.428
Duplicate	07/28/97	0.052	0.023	ND(0.005)	0.007	0.258	0.004	0.069	0.050	ND(0.005)	0.052	0.082	0.082	0.082	0.433
	10/16/97	0.059	0.027	ND(0.01)	0.008	0.214	0.004	0.086	0.039	ND(0.01)	0.070	0.094	0.094	0.094	0.393
Duplicate	01/06/98	0.048	0.016	ND(0.01)	0.006	0.215	0.004	0.060	0.029	ND(0.01)	0.055	0.070	0.070	0.070	0.363
	04/16/98	0.034	0.011	ND(0.005)	ND(0.01)	0.136	0.002	0.033	0.008	ND(0.005)	0.031	0.045	0.045	0.045	0.210
Duplicate	07/17/98	0.025	0.007	ND(0.002)	0.001	0.106	0.002	0.023	0.007	0.002	0.029	0.033	0.033	0.033	0.169
	10/27/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.080	ND(0.01)	0.042	0.016	ND(0.01)	0.033	0.000	0.000	0.000	0.171
Duplicate	10/27/98	0.011	0.002	ND(0.002)	ND(0.004)	0.053	ND(0.002)	0.011	0.002	ND(0.002)	0.011	0.013	0.013	0.013	0.077
	10/20/99	0.027	0.009	ND(0.0025)	ND(0.005)	0.113	ND(0.0025)	0.022	ND(0.0025)	ND(0.0025)	0.005	0.036	0.036	0.036	0.140
Duplicate	10/16/01	0.006	0.001	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.002	0.011
	10/16/01	0.006	0.001	ND(0.001)	ND(0.001)	0.028	ND(0.001)	0.006	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.039
Duplicate	10/17/02	0.017	0.003	ND(0.001)	ND(0.001)	0.074	0.001	0.020	0.016	ND(0.001)	0.006	0.010	0.010	0.010	0.128
	10/14/03	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.071	0.002	0.010	0.002	ND(0.001)	0.005	0.028	ND(0.001)	0.004	0.118
Duplicate	10/30/04	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.055	ND(0.001)	0.006	0.004	ND(0.001)	0.004	0.021	ND(0.001)	0.001	0.090
	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.041	0.001	0.004	0.004	ND(0.001)	0.003	0.003	0.001	0.001	0.053
Duplicate	05/22/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.085	0.002	0.034	0.017	0.002	0.023	0.004	0.004	0.004	0.163
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.081	0.002	0.027	0.008	0.002	0.021	0.003	0.003	0.003	0.141
Duplicate	10/16/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.082	0.002	0.025	0.006	0.002	0.019	0.003	0.003	0.003	0.136
	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.113	0.003	0.038	0.012	0.002	0.024	0.003	0.003	0.003	0.192
Duplicate	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.088	0.003	0.027	0.008	0.002	0.017	0.002	0.002	0.002	0.145
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.091	0.004	0.051	0.022	0.002	0.032	0.002	0.002	0.002	0.202
Duplicate	10/26/98	0.011	0.002	ND(0.01)	ND(0.02)	0.055	ND(0.01)	0.011	0.011	ND(0.01)	0.011	0.011	0.011	0.011	0.077
	02/10/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.113	0.005	0.056	0.016	0.003	0.039	0.003	0.003	0.003	0.232
Duplicate	04/21/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.133	0.006	0.061	0.023	0.003	0.047	0.003	0.003	0.003	0.273
	07/13/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.108	0.004	0.066	0.021	ND(0.0025)	0.062	0.003	0.003	0.003	0.263
Duplicate	10/20/99	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.066	0.003	0.058	0.032	ND(0.0025)	0.046	0.002	0.002	0.002	0.205
	01/25/00	0.002	ND(0.0025)	ND(0.0025)	ND(0.005)	0.093	0.003	0.049	0.015	ND(0.0025)	0.048	0.002	0.002	0.002	0.208
Duplicate	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.082	ND(0.0025)	0.036	0.009	ND(0.0025)	0.033	0.000	0.000	0.000	0.160
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.057	ND(0.0025)	0.028	0.010	ND(0.0025)	0.027	0.000	0.000	0.000	0.122
Duplicate	10/16/00	0.002	ND(0.001)	0.002	ND(0.001)	0.024	0.003	0.015	0.014	ND(0.001)	0.030	0.000	0.000	0.000	0.080
	10/16/00	0.002	ND(0.001)	0.002	ND(0.001)	0.061	0.005	0.035	0.013	ND(0.001)	0.027	0.004	0.004	0.004	0.145
Duplicate	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.053	ND(0.0025)	0.035	0.004	ND(0.001)	0.033	0.000	0.000	0.000	0.146
	04/10/01	0.003	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.069	ND(0.0025)	0.033	0.006	ND(0.0025)	0.026	0.000	0.000	0.000	0.140
Duplicate	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.056	ND(0.005)	0.030	ND(0.005)	ND(0.005)	0.028	0.000	0.000	0.000	0.122
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.053	0.003	0.033	0.008	ND(0.002)	ND(0.002)	0.000	0.000	0.000	0.110
Duplicate	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.062	ND(0.0025)	0.039	0.005	ND(0.0025)	0.036	0.000	0.000	0.000	0.151
	01/13/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.060	ND(0.0025)	0.030	0.005	ND(0.0025)	0.026	0.000	0.000	0.000	0.128
Duplicate	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.062	0.004	0.035	0.005	ND(0.001)	0.031	0.000	0.000	0.000	0.144
	07/23/02	0.001	ND(0.001)	0.001	ND(0.001)	0.062	0.003	0.032	0.004	ND(0.001)	0.034	0.001	0.001	0.001	0.143
Duplicate	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.056	0.002	0.024	0.005	ND(0.001)	0.026	0.000	0.000	0.000	0.119
	01/21/03	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.041	0.003	0.016	0.003	ND(0.001)	0.023	0.000	0.000	0.000	0.093
Duplicate	04/22/03	0.001	ND(0.001)	0.006	ND(0.001)	0.077	0.003	0.026	0.005	0.002	0.034	0.005	0.005	0.005	0.153
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.063	0.003	0.021	0.002	ND(0.001)	0.029	0.000	0.000	0.000	0.124
Duplicate	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.063	0.004	0.018	0.003	0.006	0.032	0.000	0.000	0.000	0.127
	01/27/04	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.068	0.003	0.021	0.007	0.003	0.022	0.000	0.000	0.000	0.130
Duplicate	04/20/04	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.058	0.002	0.014	0.006	0.002	0.015	0.001	0.001	0.001	0.099
	07/17/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.074	0.003	0.015	0.006	0.002	0.015	0.000	0.000	0.000	0.117
Duplicate	07/17/04	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.076	0.003	0.017	0.008	0.002	0.002	0.001	0.001	0.001	0.120
	10/30/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.000	0.007

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-7	01/23/97	0.001	ND(0.001)	ND(0.001)	0.001	0.047	0.001	0.009	0.009	ND(0.001)	0.004	0.014		0.002	0.075
	05/22/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.087	0.002	0.066	0.066	0.002	0.014	0.116		0.003	0.287
	07/28/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.073	0.002	0.061	0.061	ND(0.002)	0.021	0.110		0.004	0.267
	10/16/97	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.050	0.050	ND(0.005)	0.018	0.091		0.003	0.224
	01/06/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.076	ND(0.005)	0.054	0.054	ND(0.005)	0.018	0.111		0.003	0.259
	04/16/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.055	ND(0.005)	0.035	0.035	ND(0.005)	0.020	0.078		0.003	0.188
	07/17/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.038	0.038	ND(0.005)	0.024	0.073		0.003	0.200
	10/26/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	0.047	ND(0.005)	0.030	0.030	ND(0.005)	0.019	0.073		0.000	0.169
	02/10/99	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.050	ND(0.001)	0.032	0.032	0.002	0.014	0.066		0.002	0.164
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.047	ND(0.001)	0.029	0.029	0.002	0.011	0.071		0.000	0.160
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.034	ND(0.001)	0.027	0.027	ND(0.001)	0.007	0.066		0.000	0.134
	10/20/99	ND(0.001)	ND(0.001)	0.002	ND(0.002)	0.046	ND(0.001)	0.035	0.035	ND(0.001)	0.006	0.081		0.002	0.168
	01/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.025	ND(0.0025)	0.020	0.020	ND(0.0025)	0.003	0.061		0.000	0.109
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.022	ND(0.0025)	0.020	0.020	ND(0.0025)	0.003	0.069		0.000	0.114
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.030	ND(0.0025)	0.026	0.026	ND(0.0025)	0.003	0.081		0.000	0.140
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.036	ND(0.0025)	0.030	0.030	ND(0.0025)	0.003	0.090	ND(0.0025)	0.000	0.159
Duplicate	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.030	ND(0.0025)	0.021	0.021	ND(0.0025)	0.006	0.086	ND(0.0025)	0.000	0.140
	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.035	ND(0.0025)	0.015	0.015	ND(0.0025)	0.006	0.066	ND(0.0025)	0.000	0.125
	07/11/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.047	ND(0.005)	0.019	0.019	ND(0.005)	0.006	0.052	ND(0.005)	0.000	0.113
	10/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.036	ND(0.0025)	0.013	0.013	ND(0.0025)	0.004	0.042	ND(0.0025)	0.000	0.136
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.014	0.014	ND(0.001)	0.003	0.034	ND(0.001)	0.000	0.095
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.025	ND(0.001)	0.013	0.013	ND(0.001)	0.003	0.032	ND(0.001)	0.000	0.073
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.022	ND(0.001)	0.009	0.009	ND(0.001)	0.002	0.025	ND(0.001)	0.000	0.058
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.006	0.006	ND(0.001)	0.002	0.019	ND(0.001)	0.000	0.047
	01/21/03	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.012	ND(0.001)	0.004	0.004	ND(0.001)	0.001	0.013	ND(0.001)	0.003	0.030
	04/22/03	ND(0.001)	ND(0.001)	0.025	ND(0.001)	0.007	ND(0.001)	0.003	0.003	ND(0.001)	0.001	0.007	ND(0.001)	0.025	0.017
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.003	0.003	ND(0.001)	0.001	0.007	ND(0.001)	0.000	0.020
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.024	ND(0.001)	0.008	0.008	ND(0.001)	0.002	0.019	ND(0.001)	0.000	0.053
	01/27/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.024	ND(0.001)	0.008	0.008	ND(0.001)	0.002	0.019	ND(0.001)	0.000	0.053
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.030	ND(0.001)	0.009	0.009	ND(0.001)	0.002	0.023	ND(0.001)	0.000	0.064
	07/17/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.024	ND(0.001)	0.008	0.008	ND(0.001)	0.002	0.021	ND(0.001)	0.000	0.055
	10/30/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.029	ND(0.001)	0.009	0.009	ND(0.001)	0.002	0.017	ND(0.001)	0.000	0.057
MW-8	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.007	0.007	ND(0.001)	0.002	0.014		0.000	0.041
	05/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.066	0.005	0.280	0.280	0.460	ND(0.01)	0.810		0.000	1.623
	06/25/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.082	ND(0.002)	1.360	1.360	0.805	ND(0.01)	4.150		0.000	6.397
	07/28/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.077	ND(0.02)	0.975	0.975	0.774	ND(0.02)	3.600		0.000	5.426
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.1)	ND(0.1)	1.120	1.120	0.798	ND(0.1)	4.520		0.000	6.438
	01/06/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.2)	ND(0.2)	0.858	0.858	0.596	ND(0.2)	4.570		0.000	6.024
	04/16/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.2)	ND(0.2)	1.230	1.230	0.798	ND(0.2)	4.650		0.000	6.678
	07/17/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.2)	ND(0.2)	1.050	1.050	0.658	ND(0.2)	4.620		0.000	6.328
	10/27/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	ND(0.2)	ND(0.2)	1.200	1.200	0.740	ND(0.2)	5.090		0.000	7.030
	02/10/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.060	ND(0.2)	0.780	0.780	0.522	ND(0.2)	4.160		0.000	5.522
	04/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.083	ND(0.025)	0.936	0.936	0.589	ND(0.025)	3.870		0.000	5.458
	07/13/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.080	ND(0.025)	0.808	0.808	0.600	ND(0.025)	3.900		0.000	5.388
	10/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.058	ND(0.025)	0.634	0.634	0.441	ND(0.025)	2.970		0.000	4.003
	01/23/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.081	ND(0.025)	0.857	0.857	0.447	ND(0.025)	3.610		0.000	4.995
	04/18/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.076	ND(0.025)	0.687	0.687	0.349	ND(0.025)	3.190		0.000	4.302
	07/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.412	0.412	0.219	ND(0.01)	2.420		0.000	3.104
STL Duplicate	07/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.03)	ND(0.01)	ND(0.01)	0.422	0.422	0.238	ND(0.01)	2.140		0.000	2.800
	10/16/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.1)	ND(0.1)	0.700	0.700	0.300	ND(0.1)	2.500		0.000	3.500
	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.085	ND(0.01)	0.546	0.546	0.317	ND(0.01)	5.780	ND(0.01)	0.000	6.728
	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.084	ND(0.01)	0.512	0.512	0.353	ND(0.01)	3.340	ND(0.01)	0.000	4.299

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCF (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-8 (Cont.)	04/10/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.083	ND(0.01)	0.401	ND(0.01)	0.258	ND(0.01)	6.150	ND(0.01)	0.000	6.892
	07/11/01	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.076	ND(0.02)	0.350	ND(0.02)	0.240	ND(0.02)	2.600	ND(0.02)	0.000	3.266
	10/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.048	0.017	0.200	ND(0.01)	0.120	ND(0.01)	1.700	ND(0.01)	0.000	2.085
	Duplicate	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.045	0.017	0.210	ND(0.005)	0.120	0.003	1.800	ND(0.005)	0.000	2.195
Duplicate	01/13/02	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.029	0.011	0.100	ND(0.005)	0.060	ND(0.005)	0.990	ND(0.005)	0.000	1.190
	04/21/02	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.032	0.013	0.110	ND(0.002)	0.059	ND(0.002)	0.420	ND(0.002)	0.000	0.634
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.003	0.014	ND(0.001)	0.010	ND(0.001)	0.160	ND(0.001)	0.000	0.198
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.003	0.014	ND(0.001)	0.010	ND(0.001)	0.150	ND(0.001)	0.000	0.183
MW-9	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.005	ND(0.001)	0.003	ND(0.001)	0.048	ND(0.001)	0.000	0.059
	04/22/03	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.003	ND(0.001)	0.003	ND(0.001)	0.002	ND(0.001)	0.029	ND(0.001)	0.004	0.037
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.004	ND(0.001)	0.002	ND(0.001)	0.029	ND(0.001)	0.000	0.039
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	0.001	0.005	ND(0.001)	0.003	ND(0.001)	0.030	ND(0.001)	0.000	0.044
Duplicate	01/27/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.024	ND(0.001)	0.000	0.034
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.004	ND(0.001)	0.017	ND(0.001)	0.000	0.023
	07/17/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.004	ND(0.001)	0.010	ND(0.001)	0.000	0.016
	10/30/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.004	ND(0.001)	0.013	ND(0.001)	0.000	0.019
MW-9	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063	ND(0.001)	0.045	ND(0.001)	0.090	ND(0.001)	0.000	0.209
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.322	ND(0.01)	0.147	ND(0.01)	1.550	ND(0.01)	0.000	2.045
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.02)	0.326	ND(0.02)	ND(0.02)	ND(0.02)	1.130	ND(0.02)	0.000	1.489
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.278	ND(0.02)	0.121	ND(0.02)	1.020	ND(0.02)	0.000	1.440
Duplicate	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.02)	0.278	ND(0.02)	0.104	ND(0.02)	1.160	ND(0.02)	0.000	1.561
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.023	ND(0.02)	0.321	ND(0.02)	0.141	ND(0.02)	1.160	ND(0.02)	0.000	1.645
	01/06/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.033	ND(0.1)	0.502	ND(0.1)	0.174	ND(0.1)	1.350	ND(0.1)	0.000	2.059
	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)	0.029	ND(0.05)	0.444	ND(0.05)	0.144	ND(0.05)	1.290	ND(0.05)	0.000	1.907
MW-9	07/17/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.042	ND(0.1)	0.690	ND(0.1)	0.242	ND(0.1)	1.770	ND(0.1)	0.000	2.744
	10/27/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.030	ND(0.1)	0.507	ND(0.1)	0.193	ND(0.1)	1.740	ND(0.1)	0.000	2.470
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.487	ND(0.01)	0.159	ND(0.01)	1.400	ND(0.01)	0.000	2.077
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.368	ND(0.01)	0.161	ND(0.01)	1.320	ND(0.01)	0.000	1.875
Duplicate	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.01)	0.353	ND(0.01)	0.110	ND(0.01)	1.100	ND(0.01)	0.000	1.584
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.018	ND(0.01)	0.261	ND(0.01)	0.085	ND(0.01)	1.090	ND(0.01)	0.000	1.454
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.145	ND(0.01)	0.048	ND(0.01)	0.556	ND(0.01)	0.000	0.762
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.006	ND(0.0025)	0.046	ND(0.0025)	0.015	ND(0.0025)	0.235	ND(0.0025)	0.000	0.302
MW-9	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.006	ND(0.0025)	0.012	ND(0.0025)	0.006	ND(0.0025)	0.228	ND(0.0025)	0.000	0.246
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.007	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.001	0.036
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	Duplicate	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.022	ND(0.001)	0.000	0.028
Duplicate	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.017	ND(0.001)	0.000	0.022
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.009	ND(0.001)	0.000	0.009
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.018	ND(0.001)	0.000	0.016
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.021	ND(0.001)	0.000	0.025
MW-9	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.028
	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.017
	04/22/03	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.002	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.023	ND(0.001)	0.002	0.031
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.020	ND(0.001)	0.011	0.028
Duplicate	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.016	ND(0.001)	0.000	0.022
	01/27/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.022
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.012	ND(0.001)	0.000	0.019
	07/17/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	0.010	ND(0.001)	0.000	0.017
MW-9	10/30/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	0.006	ND(0.001)	0.000	0.009
	Duplicate	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-14 (Cont.)	01/21/03	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.019	0.006
	04/22/03	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.020	0.005
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.004
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.005
	01/27/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.006
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.005
	07/16/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.005
	10/29/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.005
	05/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-15	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/26/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/10/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	<0.001	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/21/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/20/99	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.000
	01/23/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/23/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/16/00	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/17/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	07/23/02	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	01/21/03	ND(0.001)	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
	04/22/03	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
	01/22/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	04/20/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	07/16/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
duplicate	10/23/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/29/04	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	05/25/97	ND(0.01)	0.469	0.470	1.936	0.021	ND(0.01)	0.024	ND(0.01)	0.005	ND(0.01)	ND(0.01)	ND(0.01)	2.875	0.050
	07/23/97	ND(0.02)	0.411	0.138	0.905	0.020	ND(0.02)	0.020	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	1.454	0.040
	10/16/97	ND(0.02)	0.322	0.039	0.713	0.018	ND(0.02)	0.022	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	1.074	0.040
	01/06/98	0.002	0.042	0.001	0.019	0.051	ND(0.002)	0.075	0.014	ND(0.002)	ND(0.002)	0.004	0.064	0.084	0.144
	04/16/98	0.002	0.008	ND(0.005)	ND(0.01)	0.049	ND(0.005)	0.087	0.015	ND(0.005)	ND(0.005)	0.005	0.010	0.156	0.133
	07/17/98	ND(0.005)	0.016	ND(0.005)	ND(0.01)	0.038	ND(0.005)	0.075	0.015	ND(0.005)	ND(0.005)	0.005	0.016	0.133	0.133
	10/26/98	ND(0.002)	0.003	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.024	0.005	ND(0.002)	ND(0.002)	0.002	0.003	0.003	0.041
	02/10/99	0.001	0.013	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.079	0.016	ND(0.001)	ND(0.001)	0.005	0.014	0.125	0.125
	04/21/99	ND(0.001)	0.006	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.089	0.026	ND(0.001)	ND(0.001)	0.006	0.006	0.006	0.146
*SO4	07/12/99	ND(0.0025)	0.003	ND(0.0025)	ND(0.005)	0.021	ND(0.0025)	0.096	0.021	ND(0.0025)	ND(0.0025)	0.008	0.003	0.003	0.146
	10/21/99	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.025	ND(0.0025)	0.073	0.012	ND(0.0025)	ND(0.0025)	0.005	0.000	0.000	0.115

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO- ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
SO4	01/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.048	ND(0.0025)	0.096		0.013	ND(0.0025)	0.007		0.000	0.164
(Cont.)	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.057	ND(0.0025)	0.089		0.008	ND(0.0025)	0.006		0.000	0.160
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.057	ND(0.0025)	0.056		0.003	ND(0.0025)	ND(0.0025)		0.000	0.116
STL Duplicate	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.019)	0.102	ND(0.0025)	0.080		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.800
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.085	ND(0.0025)	0.097	0.014	0.003	ND(0.0025)	0.003	ND(0.0025)	0.000	0.219
	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.085	ND(0.0025)	0.077	0.012	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.174
	04/10/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.083	ND(0.0025)	0.074	0.015	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.172
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.076
	10/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.066	ND(0.0025)	0.055	0.013	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.134
	01/13/02	0.003	0.007	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.055	ND(0.0025)	0.040	0.010	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.010	0.105
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.018	0.007	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.052
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.015	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.041
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.005	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.014
	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.002
	04/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/14/03	ND(0.0025)	0.003	0.003	0.003	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.006	0.000

Notes:

Only commonly detected compounds are listed. Other compounds that have been detected infrequently are included in the laboratory reports.

ND - Not Detected at detection limit shown in parentheses.

Italicized value - is below the method detection limit.

< - analyte detected above the method detection limit but table is reported only to 1 part per billion

*SO4 = Shell Service Station monitoring well MW-4

1,1-DCA - 1,1-Dichloroethane

1,2-DCA - 1,2-Dichloroethane

1,1-DCE - 1,1-Dichloroethene

PCE - Tetrachloroethane

TCA - 1,1,1-Trichloroethane

TCE - Trichloroethene

STL - Duplicate samples sent to STL, Corpus Christi, Texas

TABLE 3. SVE System Air Sample Data from the Schlumberger Technology Corporation Facility, Hobbs, New Mexico.

FORMER LAGOON

Sample I.D.	Date Sampled	Sample Location	Ethyl- Total			1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	Input		Output	
			Benzene (mg/m3)	Toluene (mg/m3)	Xylene (mg/m3)								BTEX (mg/m3)	Halocarbons (mg/m3)	BTEX (mg/m3)	Halocarbons (mg/m3)
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35	29.80	0.487		20.7			36.5				
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	46.2	48.3	ND(0.2)	450	ND(0.2)	1.23	135	425.8	680.73		
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.83		0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	216.6	ND(0.2)	1.3	19	136.1	296		
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	35.7	3.7		1.9		57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	283	ND(0.2)	2.73	111.8	245.2	489.03		
Unit 1 Output9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	6		13.4		21.4
Unit 1 Output 9/95-2		Exhaust 2	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.3		0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01		0	
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)		0		15.3
93007-WalpDinut	04/11/96	Input	ND(0.2)	114	19.1	81.5	9.7	11.4	116	ND(0.2)	1.2	120	214.6	257.1		
93007-WalpDexh.4/96		Exhaust	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	ND(0.2)	0.4	0.5		1		5.8
93007-WalpDexh.4/96	07/23/96	Input	2.8	49.5	2.6	11.2	6.9	6.1	64.6	ND(0.5)	0.7	17.9	66.1	95.9		
93007-WalpDexh.4/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	ND(0.3)	1.02	51.9	135.27		0	3.7
93007-WalpDexh.4/96	10/24/96	Input	2.07	44	12.1	77.1	4.9	ND(0.2)	74.4	ND(0.2)	2.97	0.832		132.22		
WP-OUTPUT-10/96		Exhaust	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	3.02	ND(0.2)	2.97	0.832	230.3	159.7	1.02	6.822
93007-WP-INP.5/97	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	66.3				
93007-WP.10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	81	277.6	220.45		
93007-WP.1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	68.4	189.42	206.8		
93007-WP.4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	117	219.8	364.8		
93007-WP.7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	105	202.3	280		
93007-WP.10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	50.5	167.28	132.95		
93007-WP.11/98	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	121	364.5	193.7		
93007-WP.2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	87.3	385.95	131.2		
93007-WP.4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	51.6	172.7	79.7		
93007-WP.7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	40	136.1	54.5		
93007-WP.10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	34.9	101.9	44.25		
93007-WP.1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	34.6	91.6	41.5		
93007-WP.4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	26.2	62.65	31.2		
93007-WP.7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	18.1	34.65	21.35		
93007-WP.10/00	10/16/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	22	82.35	24.85		
93007-WP.1/01	01/16/01	Input	ND(1.0)	8.08	5.94	36.7	ND(1.0)	ND(1.0)	ND(1.0)	2.36	ND(1.0)	31.33	50.72	33.69		
93007-WP.4/01	04/10/01	Input	ND(5.0)	63.5	51.1	278	ND(5.0)	ND(5.0)	ND(5.0)	21.9	ND(5.0)	215	392.6	236.9		
93007-WP.7/01	07/17/01	Input	ND(2.0)	2.9	2.8	15.5	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	14	21.2	14		
93007-WP.10/01	10/16/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	7.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	7.6	22		
93007-WP.01/02	01/14/02	Input	ND(1.5)	ND(1.5)	1.8	9.8	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	10	11.6	10		
93007-WP.04/02	04/22/02	Input	ND(1.2)	1.3	1.9	9.8	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	11	13	11		
93007-WP.07/02	07/23/02	Input	ND(1.0)	ND(1.0)	1.9	11.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.2	13.4	9.2		
93007-WP.10/02	10/17/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	6.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6	6.6	11.2		
93007-WP.01/03	01/21/03	Input	ND(1.0)	ND(1.0)	1.5	9.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.7	10.7	18.4		
93007-WP.04/03	04/22/03	Input	ND(1.0)	ND(1.0)	1.4	9.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.5	10.6	17.1		
93007-WP.07/03	07/15/03	Input	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	0		
93007-WP.10/03	10/14/03	Input	ND(1.0)	ND(1.0)	1.2	8.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.6	9.9	15.5		
93007-WP.01/04	01/27/04	Input	ND(1.0)	ND(1.0)	1.1	8	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.8	9.1	14.9		
93007-WP.4/04	04/20/04	Input	ND(1.0)	ND(1.0)	1	8.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.5	9.6	15.1		
93007-WP.7/04	07/19/04	Input	ND(1.0)	ND(1.0)	ND(1.0)	4.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.7	4.6	8.3		
93007-WP.10/04	11/01/04	Input	ND(1.0)	ND(1.0)	ND(1.0)	6.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.2	6.5	10.7		

TABLE 3. SVE System Air Sample Data from the Schlumberger Technology Corporation Facility, Hobbs, New Mexico.
ACID PLANT

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl- Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 2	11/02/94	Pilot	4.5	23.2	11.4	4.4	12.2	88.5	3.39	ND(0.2)	ND(0.2)	6.91	89.41		13.35	
Unit 2 (7/95) Input	07/13/95	Input	3.13	27.2	12.9	1.52	1.53	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.76		0
Unit 2 (7/95) Exhaust		Exhaust	ND(0.2)	0.26	ND(0.2)	1.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)				
Unit 2 (8/95) Input	08/12/95	Input	1.42	24.8	10.4	48.5	5.1	1.6	7	ND(0.2)	ND(0.2)	8.9	85.12		22.6	
Unit 2 (8/95) Exhaust		Exhaust	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.5		0
Unit 2 Output 9/95	09/07/95	Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ACDKINPT.4/96	04/11/96	Input	0.7	17.7	5.6	30.3	1.9	0.6	5.5	ND(0.2)	0.3	19	54.3		27.3	
93007-ACDKEXH.4/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ADINPT.7/96	07/23/96	Input	ND(0.3)	1	ND(0.3)	1.1	0.8	ND(0.3)	0.9	ND(0.5)	ND(0.3)	1.6	2.1		3.3	
93007-ADEXHST.7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.3)		0		0
AD-INPUT-10/96	10/24/96	Input	0.61	4.51	0.88	5.62	1.69	0.55	1.48	ND(0.2)	ND(0.2)	3.33	11.62		7.05	
AD-OUTPUT-10/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	0.477	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0.477
93007-AD-INP-1/97	01/21/97	Input	ND(1.0)	5.67	ND(1.0)	2.38	ND(1.0)	ND(1.0)	1.34	ND(1.0)	ND(1.0)	8.86	8.05		10.2	
93007-AD-EXH-1/97		Exhaust	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		0
93-007-AD-INP.5/97	05/13/97	Input	ND(1.0)	4.06	ND(1.0)	3.88	2.19	ND(1.0)	2.09	ND(1.0)	ND(1.0)	10.3	7.94		14.58	
93007-AD.10/97	10/14/97	Input	ND(1.0)	1.31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.74	1.31		1.74	
93007-AD.1/98	01/06/98	Input	ND(1.0)	6.4	2.46	16.36	ND(1.0)	ND(1.0)	3.98	ND(1.0)	ND(1.0)	7.29	25.22		11.27	
93007-AD.4/98	04/28/98	Input	ND(1.0)	2.08	ND(1.0)	0.75J	ND(1.0)	ND(1.0)	0.56J	ND(1.0)	ND(1.0)	1.4	0		1.4	
93007-AD.7/98	07/16/98	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	0.69J	ND(1.0)	ND(1.0)	2.26	2.08		2.26	
93007-AD.11/98	11/12/98	Input	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)	0.77J	0		0	
93007-AD.2/99	02/10/99	Input	ND(0.5)	2.38	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.63	2.38		0.63	
93007-AD.4/99	04/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD.7/99	07/12/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD.10/99	10/21/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD.1/00	01/25/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD.4/00	04/17/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD.7/00	07/25/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD.10/00	10/16/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.00)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD.1/01	01/16/01	Input	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		0	
93007-AD.4/01	04/10/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0		0	
93007-AD.7/01	04/17/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0		0	
93007-AD.10/01	10/16/01	Input	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		0	
93007-AD.01/02	01/14/02	Input	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		0	
93007-AD.04/02	04/22/02	Input	Sample damaged during shipment.													
93007-AD.07/02	07/23/02	Input	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		0	
93007-AD.10/02	10/17/02	Input	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		0	
93007-AD.01/03	01/21/03	Input	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		0	
93007-AD.07/03	07/15/03	Input	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		0	
93007-AD.10/03	10/14/03	Input	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		0	
93007-AD.01/04	01/27/04	Input	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		0	
93007-AD.4/04	04/20/04	Input	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		0	
93007-AD.7/04	07/19/04	Input	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		0	
93007-AD.10/04	11/07/04	Input	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		0	

TABLE 3. SVE System Air Sample Data from the Schlumberger Technology Corporation Facility, Hobbs, New Mexico.

FORMER UST

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m ³)	Toluene (mg/m ³)	Ethyl- Benzene (mg/m ³)	Total Xylene (mg/m ³)	1,1-DCE (mg/m ³)	1,1-DCA (mg/m ³)	Chloromethane (mg/m ³)	1,1,1-TCA (mg/m ³)	Vinyl Chloride (mg/m ³)	TOE (mg/m ³)	PCE (mg/m ³)	Input BTEX (mg/m ³)	Output BTEX (mg/m ³)	Input Halocarbons (mg/m ³)	Output Halocarbons (mg/m ³)
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5	6.64	ND(0.1)	ND(0.1)	ND(0.2)	215	ND(0.2)	2.68	0.49	15.84			
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.17	7.88	0.27	ND(0.2)	17.2	ND(0.2)	0.87	ND(0.2)	2.76	12.9		1379.58	21.1
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	4.9	506	15.6	ND(0.2)	579	ND(0.2)	2.1	636	8.1		1738.7	
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	15.6	ND(0.2)	579	ND(0.2)	2.1	636	8.1		1738.7	
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	2.8	ND(0.2)	48	ND(0.2)	35	0.8	21.5	4.9		1545.1	108.1
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	593.4	13.3	ND(0.2)	31.9	ND(0.2)	0.9	81.4	1.6			170.4
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	56.2	ND(0.2)	13	ND(0.2)	35.6	ND(0.2)	9.7	1.01		58.3	
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)	10.5	ND(0.2)	14.5	1.01		965.4	41.21
Unit 3 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	99.4	ND(0.2)	ND(0.2)	254	ND(0.2)	1	611	4.8			
93007-TKShipmt	04/11/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	63.3	ND(1.0)	0.58J	205	0		301.1	8.69
93007-TKShpExh.4/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)	6.8	0.4	8.5	0		98.6	26.7
93007-TSINP.7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	47.1	4.8	ND(0.5)	ND(0.3)	2.2	ND(0.3)	2.8	0.4			12.9
93007-TSEXST.7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.3)	97.7	ND(0.2)	179	1.95		338.67	
UST-INP.10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	63.3	ND(1.0)	0.58J	205	0		301.1	8.69
UST-OUT.10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)	6.8	0.4	8.5	0		98.6	26.7
93007-UST-INP-1/97	1/21/1997	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	30	2.8	ND(1.0)	2.5	ND(1.0)	ND(1.0)	6.19	0			
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	21.3J	ND(25.0)	ND(25.0)	41.8	ND(25.0)	ND(25.0)	155	0		196.8	
93-007-UST-INP.5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	3.85J	ND(5.0)	ND(5.0)	8.25	ND(5.0)	ND(5.0)	102	0		110.25	
93007-UST.1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	121	0		121	
93007-UST.4/98	04/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	104	0		104	
93007-UST.10/98	10/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	104	0		104	
93007-UST.2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	46.8	0		46.8	
93007-UST.4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	37.9	0		37.9	
93007-UST.7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	36.6	0		36.6	
93007-UST.10/99	10/21/99	Input	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)	37	0		37	
93007-UST.1/00	01/25/00	Input	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)	27.6	0		27.6	
93007-UST.4/00	04/17/00	Input	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)	36.2	0		36.2	
93007-UST.7/00	07/25/00	Input	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)	41.9	0		41.9	
93007-UST.10/00	10/16/00	Input	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)	29.4	0		29.4	
93007-UST.1/01	01/16/01	Input	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)	48.4	0		48.4	
93007-UST.7/01	07/17/01	Input	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)	21	0		21	
93007-UST.10/01	10/16/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	2.6	0		2.6	
93007-UST.01/02	01/14/02	Input	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)	17	0		17	
93007-UST.04/02	04/22/02	Input	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)	26	0		26	
93007-UST.07/02	07/23/02	Input	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)	23	0		23	
93007-UST.10/02	10/17/02	Input	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)	13.8	0		13.8	
93007-UST.01/03	01/21/03	Input	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)	15.2	0		15.2	
93007-UST.04/03	04/22/03	Input	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)	9.3	0		9.3	
93007-UST.07/03	07/15/03	Input	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)	12.6	0		12.6	
93007-UST.10/03	10/14/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10.5	0		10.5	
93007-UST.01/04	01/27/04	Input	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)	8.3	0		8.3	
93007-UST.4/04	04/20/04	Input	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)	13.5	0		13.5	
93007-UST.7/04	07/19/04	Input	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)	15.8	0		15.8	
93007-UST.10/04	11/01/04	Input	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)	7	0		7	

Notes: mg/m³ = milligrams per cubic meter

ND=Not Detected at detection limit shown in parentheses.

DCA=Dichloroethane

DCE= Dichloroethane

TOE = Trichloroethane

PCE = Tetachloroethane

APPENDIX A

Laboratory Analytical Reports



ANALYTICAL SUMMARY REPORT

November 17, 2004

Rick Deuell
Western Water Consultants
611 Skyline Rd
Laramie, WY 82070

Workorder No.: C04110126

Project Name: 93007 Hobbs

Energy Laboratories Inc. received the following 17 samples from Western Water Consultants on 11/2/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C04110126-001	93007-14.10/04	10/29/04 17:00	11/02/04	Aqueous	SW8260B VOCs, Standard List
C04110126-002	93007-15.10/04	10/29/04 17:30	11/02/04	Aqueous	Same As Above
C04110126-003	93007-13.10/04	10/29/04 18:00	11/02/04	Aqueous	Same As Above
C04110126-004	93007-5.10/04	10/30/04 7:00	11/02/04	Aqueous	Same As Above
C04110126-005	93007-6.10/04	10/30/04 7:30	11/02/04	Aqueous	Same As Above
C04110126-006	93007-3.10/04	10/30/04 8:00	11/02/04	Aqueous	Same As Above
C04110126-007	93007-7.10/04	10/30/04 8:30	11/02/04	Aqueous	Same As Above
C04110126-008	93007-10.10/04	10/30/04 8:45	11/02/04	Aqueous	Same As Above
C04110126-009	93007-8.10/04	10/30/04 9:00	11/02/04	Aqueous	Same As Above
C04110126-010	93007-9.10/04	10/30/04 9:15	11/02/04	Aqueous	Same As Above
C04110126-011	93007-4.10/04	10/30/04 9:30	11/02/04	Aqueous	Same As Above
C04110126-012	93007-2.10/04	10/30/04 9:45	11/02/04	Aqueous	Same As Above
C04110126-013	93007-12.10/04	10/30/04 10:00	11/02/04	Aqueous	Same As Above
C04110126-014	93007-11.10/04	10/30/04 10:30	11/02/04	Aqueous	Same As Above
C04110126-015	93007-A.10/04	10/29/04 16:00	11/02/04	Aqueous	Same As Above
C04110126-016	93007-B.10/04	10/30/04 6:30	11/02/04	Aqueous	Same As Above
C04110126-017	Trip Blank	10/30/04 6:30	11/02/04	Aqueous	Same As Above

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

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

Report Approved By:


P.A. LORING
LABORATORY SUPERVISOR



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-001
Client Sample ID: 93007-14.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 17:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1-Dichloroethane	1.3	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1-Dichloroethene	1.7	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-001
Client Sample ID: 93007-14.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 17:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 19:22 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Tetrachloroethene	1.5	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 19:22 / rh
Surr: 1,2-Dichlorobenzene-d4	96.8	%REC			80-120	SW8260B	11/11/04 19:22 / rh
Surr: Dibromofluoromethane	102	%REC			70-130	SW8260B	11/11/04 19:22 / rh
Surr: p-Bromofluorobenzene	83.6	%REC			80-120	SW8260B	11/11/04 19:22 / rh
Surr: Toluene-d8	94.8	%REC			80-120	SW8260B	11/11/04 19:22 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-002
Client Sample ID: 93007-15.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 17:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-002
Client Sample ID: 93007-15.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 17:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 20:06 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 20:06 / rh
Surr: 1,2-Dichlorobenzene-d4	96.8	%REC			80-120	SW8260B	11/11/04 20:06 / rh
Surr: Dibromofluoromethane	97.6	%REC			70-130	SW8260B	11/11/04 20:06 / rh
Surr: p-Bromofluorobenzene	86.4	%REC			80-120	SW8260B	11/11/04 20:06 / rh
Surr: Toluene-d8	94.8	%REC			80-120	SW8260B	11/11/04 20:06 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-003
Client Sample ID: 93007-13.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 18:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-003
Client Sample ID: 93007-13.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 18:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 20:51 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Tetrachloroethene	1.5	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 20:51 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	11/11/04 20:51 / rh
Surr: Dibromofluoromethane	95.2	%REC			70-130	SW8260B	11/11/04 20:51 / rh
Surr: p-Bromofluorobenzene	96.4	%REC			80-120	SW8260B	11/11/04 20:51 / rh
Surr: Toluene-d8	103	%REC			80-120	SW8260B	11/11/04 20:51 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C04110126-004

Client Sample ID: 93007-5.10/04

Report Date: 11/17/04

Collection Date: 10/30/04 07:00

Date Received: 11/02/04

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1-Dichloroethane	55	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1-Dichloroethene	6.1	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Benzene	1.1	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
cis-1,2-Dichloroethene	4.2	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-004
Client Sample ID: 93007-5.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 07:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 21:35 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Tetrachloroethene	21	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Trichloroethene	3.8	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 21:35 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	11/11/04 21:35 / rh
Surr: Dibromofluoromethane	96.8	%REC			70-130	SW8260B	11/11/04 21:35 / rh
Surr: p-Bromofluorobenzene	97.2	%REC			80-120	SW8260B	11/11/04 21:35 / rh
Surr: Toluene-d8	92.0	%REC			80-120	SW8260B	11/11/04 21:35 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-005
Client Sample ID: 93007-6.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 07:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1-Dichloroethane	4.1	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1-Dichloroethene	1.0	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Chloroform	1.3	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-005
Client Sample ID: 93007-6.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 07:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 07:11 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Tetrachloroethene	2.2	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 07:11 / rh
Surr: 1,2-Dichlorobenzene-d4	95.6	%REC			80-120	SW8260B	11/12/04 07:11 / rh
Surr: Dibromofluoromethane	92.4	%REC			70-130	SW8260B	11/12/04 07:11 / rh
Surr: p-Bromofluorobenzene	97.2	%REC			80-120	SW8260B	11/12/04 07:11 / rh
Surr: Toluene-d8	111	%REC			80-120	SW8260B	11/12/04 07:11 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-006
Client Sample ID: 93007-3.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1-Dichloroethane	8.7	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1-Dichloroethene	2.8	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Benzene	1.9	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Chloroform	1.1	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-006
Client Sample ID: 93007-3.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 22:20 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Tetrachloroethene	4.0	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 22:20 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	11/11/04 22:20 / rh
Surr: Dibromofluoromethane	95.6	%REC			70-130	SW8260B	11/11/04 22:20 / rh
Surr: p-Bromofluorobenzene	99.6	%REC			80-120	SW8260B	11/11/04 22:20 / rh
Surr: Toluene-d8	96.4	%REC			80-120	SW8260B	11/11/04 22:20 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-007
Client Sample ID: 93007-7.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1-Dichloroethane	18	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1-Dichloroethene	6.5	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-007
Client Sample ID: 93007-7.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 23:04 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Tetrachloroethene	14	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Trichloroethene	1.8	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 23:04 / rh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	11/11/04 23:04 / rh
Surr: Dibromofluoromethane	99.2	%REC			70-130	SW8260B	11/11/04 23:04 / rh
Surr: p-Bromofluorobenzene	92.8	%REC			80-120	SW8260B	11/11/04 23:04 / rh
Surr: Toluene-d8	102	%REC			80-120	SW8260B	11/11/04 23:04 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-008
Client Sample ID: 93007-10.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:45
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-008
Client Sample ID: 93007-10.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 08:45
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 23:48 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 23:48 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	SW8260B	11/11/04 23:48 / rh
Surr: Dibromofluoromethane	100	%REC			70-130	SW8260B	11/11/04 23:48 / rh
Surr: p-Bromofluorobenzene	88.0	%REC			80-120	SW8260B	11/11/04 23:48 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	11/11/04 23:48 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-009
Client Sample ID: 93007-8.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1-Dichloroethane	2.0	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1-Dichloroethene	4.0	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C04110126-009

Client Sample ID: 93007-8.10/04

Report Date: 11/17/04

Collection Date: 10/30/04 09:00

Date Received: 11/02/04

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 00:32 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Tetrachloroethene	13	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 00:32 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	SW8260B	11/12/04 00:32 / rh
Surr: Dibromofluoromethane	96.8	%REC			70-130	SW8260B	11/12/04 00:32 / rh
Surr: p-Bromofluorobenzene	81.6	%REC			80-120	SW8260B	11/12/04 00:32 / rh
Surr: Toluene-d8	103	%REC			80-120	SW8260B	11/12/04 00:32 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-010
Client Sample ID: 93007-9.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:15
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-010
Client Sample ID: 93007-9.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:15
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 01:17 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Tetrachloroethene	1.9	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 01:17 / rh
Surr: 1,2-Dichlorobenzene-d4	109	%REC			80-120	SW8260B	11/12/04 01:17 / rh
Surr: Dibromofluoromethane	97.6	%REC			70-130	SW8260B	11/12/04 01:17 / rh
Surr: p-Bromofluorobenzene	96.8	%REC			80-120	SW8260B	11/12/04 01:17 / rh
Surr: Toluene-d8	108	%REC			80-120	SW8260B	11/12/04 01:17 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-011
Client Sample ID: 93007-4.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1-Dichloroethane	3.0	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1-Dichloroethene	2.0	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Chloroform	1.7	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-011
Client Sample ID: 93007-4.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 02:01 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Tetrachloroethene	12	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 02:01 / rh
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	11/12/04 02:01 / rh
Surr: Dibromofluoromethane	97.2	%REC			70-130	SW8260B	11/12/04 02:01 / rh
Surr: p-Bromofluorobenzene	88.8	%REC			80-120	SW8260B	11/12/04 02:01 / rh
Surr: Toluene-d8	97.2	%REC			80-120	SW8260B	11/12/04 02:01 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C04110126-012

Client Sample ID: 93007-2.10/04

Report Date: 11/17/04

Collection Date: 10/30/04 09:45

Date Received: 11/02/04

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1-Dichloroethane	1.4	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-012
Client Sample ID: 93007-2.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 09:45
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 02:45 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Tetrachloroethene	1.5	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 02:45 / rh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	11/12/04 02:45 / rh
Surr: Dibromofluoromethane	94.4	%REC			70-130	SW8260B	11/12/04 02:45 / rh
Surr: p-Bromofluorobenzene	95.6	%REC			80-120	SW8260B	11/12/04 02:45 / rh
Surr: Toluene-d8	89.6	%REC			80-120	SW8260B	11/12/04 02:45 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-013
Client Sample ID: 93007-12.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 10:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-013
Client Sample ID: 93007-12.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 10:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 07:56 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 07:56 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	SW8260B	11/12/04 07:56 / rh
Surr: Dibromofluoromethane	94.0	%REC			70-130	SW8260B	11/12/04 07:56 / rh
Surr: p-Bromofluorobenzene	84.8	%REC			80-120	SW8260B	11/12/04 07:56 / rh
Surr: Toluene-d8	99.6	%REC			80-120	SW8260B	11/12/04 07:56 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-014
Client Sample ID: 93007-11.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 10:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-014
Client Sample ID: 93007-11.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 10:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	1.8	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Isopropylbenzene	7.8	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 08:40 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
n-Propylbenzene	1.1	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 08:40 / rh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	11/12/04 08:40 / rh
Surr: Dibromofluoromethane	96.8	%REC			70-130	SW8260B	11/12/04 08:40 / rh
Surr: p-Bromofluorobenzene	93.2	%REC			80-120	SW8260B	11/12/04 08:40 / rh
Surr: Toluene-d8	99.2	%REC			80-120	SW8260B	11/12/04 08:40 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-015
Client Sample ID: 93007-A.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 16:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-015
Client Sample ID: 93007-A.10/04

Report Date: 11/17/04
Collection Date: 10/29/04 16:00
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 04:14 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 04:14 / rh
Surr: 1,2-Dichlorobenzene-d4	99.2	%REC			80-120	SW8260B	11/12/04 04:14 / rh
Surr: Dibromofluoromethane	95.2	%REC			70-130	SW8260B	11/12/04 04:14 / rh
Surr: p-Bromofluorobenzene	96.0	%REC			80-120	SW8260B	11/12/04 04:14 / rh
Surr: Toluene-d8	95.2	%REC			80-120	SW8260B	11/12/04 04:14 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-016
Client Sample ID: 93007-B.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 06:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1-Dichloroethane	3.1	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1-Dichloroethene	1.9	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Chloroform	1.6	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-016
Client Sample ID: 93007-B.10/04

Report Date: 11/17/04
Collection Date: 10/30/04 06:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/12/04 09:25 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Tetrachloroethene	9.8	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/12/04 09:25 / rh
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	11/12/04 09:25 / rh
Surr: Dibromofluoromethane	94.4	%REC			70-130	SW8260B	11/12/04 09:25 / rh
Surr: p-Bromofluorobenzene	85.2	%REC			80-120	SW8260B	11/12/04 09:25 / rh
Surr: Toluene-d8	109	%REC			80-120	SW8260B	11/12/04 09:25 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C04110126-017

Client Sample ID: Trip Blank

Report Date: 11/17/04

Collection Date: 10/30/04 06:30

Date Received: 11/02/04

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Benzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Bromoform	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Chloroform	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110126-017
Client Sample ID: Trip Blank

Report Date: 11/17/04
Collection Date: 10/30/04 06:30
Date Received: 11/02/04
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	11/11/04 16:24 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Styrene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Toluene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	11/11/04 16:24 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	11/11/04 16:24 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	11/11/04 16:24 / rh
Surr: p-Bromofluorobenzene	94.4	%REC			80-120	SW8260B	11/11/04 16:24 / rh
Surr: Toluene-d8	90.8	%REC			80-120	SW8260B	11/11/04 16:24 / rh

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

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



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Analytical Run: GCMS3-C_041111A		
Sample ID: 11-Nov-04_CCV_4			Continuing Calibration Verification Standard						11/11/04 13:34
1,1,1,2-Tetrachloroethane	9.4	ug/L	1.0	93.6	70	130			
1,1,1-Trichloroethane	10	ug/L	1.0	104	70	130			
1,1,2,2-Tetrachloroethane	9.2	ug/L	1.0	91.6	70	130			
1,1,2-Trichloroethane	10	ug/L	1.0	100	70	130			
1,1-Dichloroethane	10	ug/L	1.0	104	70	130			
1,1-Dichloroethene	10	ug/L	1.0	104	80	120			
1,1-Dichloropropene	10	ug/L	1.0	104	70	130			
1,2,3-Trichlorobenzene	10	ug/L	1.0	103	70	130			
1,2,3-Trichloropropane	9.5	ug/L	1.0	94.8	70	130			
1,2,4-Trichlorobenzene	10	ug/L	1.0	103	70	130			
1,2,4-Trimethylbenzene	9.2	ug/L	1.0	92.4	70	130			
1,2-Dibromo-3-chloropropane	10	ug/L	1.0	102	70	130			
1,2-Dibromoethane	11	ug/L	1.0	107	70	130			
1,2-Dichlorobenzene	11	ug/L	1.0	106	70	130			
1,2-Dichloroethane	9.9	ug/L	1.0	98.8	70	130			
1,2-Dichloropropane	11	ug/L	1.0	105	80	120			
1,3,5-Trimethylbenzene	9.4	ug/L	1.0	93.6	70	130			
1,3-Dichlorobenzene	9.4	ug/L	1.0	94	70	130			
1,3-Dichloropropane	10	ug/L	1.0	100	70	130			
1,4-Dichlorobenzene	9.8	ug/L	1.0	97.6	70	130			
2,2-Dichloropropane	10	ug/L	1.0	102	70	130			
2-Chlorotoluene	11	ug/L	1.0	108	70	130			
4-Chlorotoluene	11	ug/L	1.0	107	70	130			
Benzene	11	ug/L	1.0	108	70	130			
Bromobenzene	10	ug/L	1.0	102	70	130			
Bromochloromethane	11	ug/L	1.0	107	70	130			
Bromodichloromethane	10	ug/L	1.0	103	70	130			
Bromoform	10	ug/L	1.0	102	70	130			
Bromomethane	11	ug/L	1.0	110	70	130			
Carbon tetrachloride	11	ug/L	1.0	108	70	130			
Chlorobenzene	10	ug/L	1.0	101	70	130			
Chlorodibromomethane	12	ug/L	1.0	119	70	130			
Chloroethane	11	ug/L	1.0	108	70	130			
Chloroform	10	ug/L	1.0	103	80	120			
Chloromethane	11	ug/L	1.0	109	70	130			
cis-1,2-Dichloroethene	11	ug/L	1.0	106	70	130			
cis-1,3-Dichloropropene	10	ug/L	1.0	104	70	130			
Dibromomethane	10	ug/L	1.0	102	70	130			
Dichlorodifluoromethane	9.8	ug/L	1.0	97.6	70	130			
Ethylbenzene	9.9	ug/L	1.0	99.2	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

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

Analytical Run: GCMS3-C_041111A

Sample ID: 11-Nov-04_CCV_4

Continuing Calibration Verification Standard

11/11/04 13:34

Hexachlorobutadiene	11	ug/L	1.0	112	70	130			
Isopropylbenzene	10	ug/L	1.0	99.6	70	130			
m+p-Xylenes	20	ug/L	1.0	101	70	130			
Methyl ethyl ketone	110	ug/L	20	110	70	130			
Methylene chloride	11	ug/L	1.0	108	70	130			
Naphthalene	11	ug/L	1.0	105	70	130			
n-Butylbenzene	10	ug/L	1.0	99.6	70	130			
n-Propylbenzene	11	ug/L	1.0	109	70	130			
o-Xylene	9.8	ug/L	1.0	98	70	130			
p-Isopropyltoluene	9.9	ug/L	1.0	98.8	70	130			
sec-Butylbenzene	10	ug/L	1.0	102	70	130			
Styrene	10	ug/L	1.0	100	70	130			
tert-Butylbenzene	10	ug/L	1.0	104	70	130			
Tetrachloroethene	11	ug/L	1.0	105	70	130			
Toluene	10	ug/L	1.0	102	80	120			
trans-1,2-Dichloroethene	11	ug/L	1.0	106	70	130			
trans-1,3-Dichloropropene	10	ug/L	1.0	102	70	130			
Trichloroethene	10	ug/L	1.0	101	70	130			
Trichlorofluoromethane	11	ug/L	1.0	110	70	130			
Vinyl chloride	11	ug/L	1.0	107	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	110	80	120			
Surr: Toluene-d8			1.0	101	80	120			

Method: SW8260B

Batch: R42957

Sample ID: 11-Nov-04_LCS_3

Laboratory Control Spike

11/11/04 12:50

1,1,1,2-Tetrachloroethane	9.6	ug/L	1.0	96	70	130			
1,1,1-Trichloroethane	10	ug/L	1.0	102	70	140			
1,1,2,2-Tetrachloroethane	9.4	ug/L	1.0	94	70	130			
1,1,2-Trichloroethane	10	ug/L	1.0	104	70	130			
1,1-Dichloroethane	10	ug/L	1.0	104	70	130			
1,1-Dichloroethene	10	ug/L	1.0	100	70	130			
1,1-Dichloropropene	10	ug/L	1.0	104	75	135			
1,2,3-Trichlorobenzene	10	ug/L	1.0	103	70	130			
1,2,3-Trichloropropane	9.4	ug/L	1.0	94	70	130			
1,2,4-Trichlorobenzene	11	ug/L	1.0	108	70	130			
1,2,4-Trimethylbenzene	9.6	ug/L	1.0	95.6	70	130			
1,2-Dibromo-3-chloropropane	9.9	ug/L	1.0	98.8	70	130			
1,2-Dibromoethane	10	ug/L	1.0	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42957		
Sample ID: 11-Nov-04_LCS_3 Laboratory Control Spike							11/11/04 12:50		
1,2-Dichlorobenzene	11	ug/L	1.0	108	70	130			
1,2-Dichloroethane	9.7	ug/L	1.0	96.8	70	130			
1,2-Dichloropropane	9.8	ug/L	1.0	98.4	65	135			
1,3,5-Trimethylbenzene	9.9	ug/L	1.0	98.8	70	130			
1,3-Dichlorobenzene	10	ug/L	1.0	102	75	125			
1,3-Dichloropropane	10	ug/L	1.0	101	70	130			
1,4-Dichlorobenzene	10	ug/L	1.0	103	70	130			
2,2-Dichloropropane	11	ug/L	1.0	110	60	140			
2-Chlorotoluene	11	ug/L	1.0	109	70	130			
4-Chlorotoluene	11	ug/L	1.0	108	70	130			
Benzene	10	ug/L	1.0	101	70	130			
Bromobenzene	11	ug/L	1.0	106	70	130			
Bromochloromethane	11	ug/L	1.0	110	70	130			
Bromodichloromethane	9.7	ug/L	1.0	96.8	70	130			
Bromoform	11	ug/L	1.0	110	70	130			
Bromomethane	11	ug/L	1.0	112	65	135			
Carbon tetrachloride	10	ug/L	1.0	104	70	130			
Chlorobenzene	11	ug/L	1.0	106	75	135			
Chlorodibromomethane	12	ug/L	1.0	116	70	130			
Chloroethane	11	ug/L	1.0	109	65	135			
Chloroform	11	ug/L	1.0	107	70	130			
Chloromethane	11	ug/L	1.0	110	65	135			
cis-1,2-Dichloroethene	10	ug/L	1.0	104	75	135			
cis-1,3-Dichloropropene	9.7	ug/L	1.0	96.8	70	130			
Dibromomethane	9.7	ug/L	1.0	96.8	70	130			
Dichlorodifluoromethane	9.6	ug/L	1.0	96.4	65	135			
Ethylbenzene	10	ug/L	1.0	104	70	130			
Hexachlorobutadiene	11	ug/L	1.0	112	60	140			
Isopropylbenzene	10	ug/L	1.0	104	70	130			
m+p-Xylenes	20	ug/L	1.0	100	70	130			
Methylene chloride	11	ug/L	1.0	106	70	130			
Naphthalene	10	ug/L	1.0	100	70	130			
n-Butylbenzene	9.5	ug/L	1.0	94.8	75	125			
n-Propylbenzene	11	ug/L	1.0	108	70	130			
o-Xylene	10	ug/L	1.0	102	70	130			
p-Isopropyltoluene	10	ug/L	1.0	101	70	130			
sec-Butylbenzene	11	ug/L	1.0	105	70	130			
Styrene	11	ug/L	1.0	107	70	130			
tert-Butylbenzene	11	ug/L	1.0	110	70	130			
Tetrachloroethene	11	ug/L	1.0	106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 11/17/04

Project: 93007 Hobbs

Work Order: C04110126

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

Batch: R42957

Sample ID: 11-Nov-04_LCS_3

Laboratory Control Spike

11/11/04 12:50

Toluene	11	ug/L	1.0	108	70	130			
trans-1,2-Dichloroethene	10	ug/L	1.0	104	70	130			
trans-1,3-Dichloropropene	9.8	ug/L	1.0	97.6	70	130			
Trichloroethene	9.8	ug/L	1.0	98.4	70	130			
Trichlorofluoromethane	10	ug/L	1.0	102	60	140			
Vinyl chloride	11	ug/L	1.0	106	60	140			
Surr: 1,2-Dichlorobenzene-d4			1.0	97.6	80	120			
Surr: Dibromofluoromethane			1.0	96	70	130			
Surr: p-Bromofluorobenzene			1.0	116	80	130			
Surr: Toluene-d8			1.0	96.8	80	120			

Sample ID: 11-Nov-04_MBLK_6

Method Blank

11/11/04 15:40

1,1,1,2-Tetrachloroethane	ND	ug/L	0.5						
1,1,1-Trichloroethane	ND	ug/L	0.5						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5						
1,1,2-Trichloroethane	ND	ug/L	0.5						
1,1-Dichloroethane	ND	ug/L	0.5						
1,1-Dichloroethene	ND	ug/L	0.5						
1,1-Dichloropropene	ND	ug/L	0.5						
1,2,3-Trichlorobenzene	ND	ug/L	0.5						
1,2,3-Trichloropropane	ND	ug/L	0.5						
1,2,4-Trichlorobenzene	ND	ug/L	0.5						
1,2,4-Trimethylbenzene	ND	ug/L	0.5						
1,2-Dibromo-3-chloropropane	ND	ug/L	0.5						
1,2-Dibromoethane	ND	ug/L	0.5						
1,2-Dichlorobenzene	ND	ug/L	0.5						
1,2-Dichloroethane	ND	ug/L	0.5						
1,2-Dichloropropane	ND	ug/L	0.5						
1,3,5-Trimethylbenzene	ND	ug/L	0.5						
1,3-Dichlorobenzene	ND	ug/L	0.5						
1,3-Dichloropropane	ND	ug/L	0.5						
1,4-Dichlorobenzene	ND	ug/L	0.5						
2,2-Dichloropropane	ND	ug/L	0.5						
2-Chlorotoluene	ND	ug/L	0.5						
4-Chlorotoluene	ND	ug/L	0.5						
Benzene	ND	ug/L	0.5						
Bromobenzene	ND	ug/L	0.5						
Bromochloromethane	ND	ug/L	0.5						
Bromodichloromethane	ND	ug/L	0.5						
Bromoform	ND	ug/L	0.5						
Bromomethane	ND	ug/L	0.5						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42957		
Sample ID: 11-Nov-04_MBLK_6 Method Blank							11/11/04 15:40		
Carbon tetrachloride	ND	ug/L	0.5						
Chlorobenzene	ND	ug/L	0.5						
Chlorodibromomethane	ND	ug/L	0.5						
Chloroethane	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Chloromethane	ND	ug/L	0.5						
cis-1,2-Dichloroethene	ND	ug/L	0.5						
cis-1,3-Dichloropropene	ND	ug/L	0.5						
Dibromomethane	ND	ug/L	0.5						
Dichlorodifluoromethane	ND	ug/L	0.5						
Ethylbenzene	ND	ug/L	0.5						
Hexachlorobutadiene	ND	ug/L	0.5						
Isopropylbenzene	ND	ug/L	0.5						
m+p-Xylenes	ND	ug/L	0.5						
Methyl ethyl ketone	ND	ug/L	10						
Methylene chloride	ND	ug/L	0.5						
Naphthalene	ND	ug/L	0.5						
n-Butylbenzene	ND	ug/L	0.5						
n-Propylbenzene	ND	ug/L	0.5						
o-Xylene	ND	ug/L	0.5						
p-Isopropyltoluene	ND	ug/L	0.5						
sec-Butylbenzene	ND	ug/L	0.5						
Styrene	ND	ug/L	0.5						
tert-Butylbenzene	ND	ug/L	0.5						
Tetrachloroethene	ND	ug/L	0.5						
Toluene	ND	ug/L	0.5						
trans-1,2-Dichloroethene	ND	ug/L	0.5						
trans-1,3-Dichloropropene	ND	ug/L	0.5						
Trichloroethene	ND	ug/L	0.5						
Trichlorofluoromethane	ND	ug/L	0.5						
Vinyl chloride	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			0.5	98.8	80	120			
Surr: Dibromofluoromethane			0.5	102	70	130			
Surr: p-Bromofluorobenzene			0.5	90.8	80	120			
Surr: Toluene-d8			0.5	100	80	120			
Sample ID: C04110126-015AMS Matrix Spike							11/12/04 04:58		
1,1,1-Trichloroethane	190	ug/L	10	96	70	130			
1,1-Dichloroethene	180	ug/L	10	90.8	70	130			
1,2-Dichlorobenzene	200	ug/L	10	101	70	130			
1,2-Dichloroethane	210	ug/L	10	107	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

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

Batch: R42957

Sample ID: C04110126-015AMS Matrix Spike

11/12/04 04:58

1,2-Dichloropropane	190	ug/L	10	94.8	70	130			
1,4-Dichlorobenzene	180	ug/L	10	89.2	70	130			
Benzene	210	ug/L	10	105	70	130			
Bromodichloromethane	180	ug/L	10	90.4	70	130			
Bromoform	230	ug/L	10	116	70	130			
Carbon tetrachloride	200	ug/L	10	102	70	130			
Chlorobenzene	220	ug/L	10	112	70	130			
Chlorodibromomethane	250	ug/L	10	125	70	130			
Chloroform	180	ug/L	10	88.8	70	130			
cis-1,2-Dichloroethene	180	ug/L	10	91.2	70	130			
Ethylbenzene	220	ug/L	10	108	70	130			
m+p-Xylenes	190	ug/L	10	92.8	70	130			
o-Xylene	230	ug/L	10	115	70	130			
Styrene	210	ug/L	10	105	70	130			
Toluene	200	ug/L	10	100	70	130			
trans-1,2-Dichloroethene	190	ug/L	10	94.8	70	130			
Trichloroethene	190	ug/L	10	94.8	70	130			
Vinyl chloride	200	ug/L	10	100	70	130			
Surr: 1,2-Dichlorobenzene-d4			10	98.8	80	120			
Surr: Dibromofluoromethane			10	95.6	70	130			
Surr: p-Bromofluorobenzene			10	94.4	80	120			
Surr: Toluene-d8			10	95.2	80	120			

Sample ID: C04110126-015AMSD Matrix Spike Duplicate

11/12/04 05:43

1,1,1-Trichloroethane	200	ug/L	10	97.6	70	130	1.7	20	
1,1-Dichloroethene	220	ug/L	10	110	70	130	19	20	
1,2-Dichlorobenzene	210	ug/L	10	106	70	130	5.0	20	
1,2-Dichloroethane	210	ug/L	10	105	70	130	1.9	20	
1,2-Dichloropropane	200	ug/L	10	102	70	130	7.7	20	
1,4-Dichlorobenzene	180	ug/L	10	90.8	70	130	1.8	20	
Benzene	210	ug/L	10	104	70	130	0.4	20	
Bromodichloromethane	190	ug/L	10	96	70	130	6.0	20	
Bromoform	200	ug/L	10	99.2	70	130	16	20	
Carbon tetrachloride	200	ug/L	10	98	70	130	3.6	20	
Chlorobenzene	220	ug/L	10	112	70	130	0.4	20	
Chlorodibromomethane	210	ug/L	10	107	70	130	16	20	
Chloroform	190	ug/L	10	92.8	70	130	4.4	20	
cis-1,2-Dichloroethene	210	ug/L	10	106	70	130	15	20	
Ethylbenzene	220	ug/L	10	108	70	130	0	20	
m+p-Xylenes	170	ug/L	10	85.2	70	130	8.5	20	
o-Xylene	210	ug/L	10	103	70	130	11	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 11/17/04

Work Order: C04110126

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R42957		
Sample ID: C04110126-015AMSD							11/12/04 05:43		
Matrix Spike Duplicate									
Styrene	190	ug/L	10	96.4	70	130	8.7	20	
Toluene	210	ug/L	10	103	70	130	2.4	20	
trans-1,2-Dichloroethene	200	ug/L	10	100	70	130	5.7	20	
Trichloroethene	200	ug/L	10	99.6	70	130	4.9	20	
Vinyl chloride	210	ug/L	10	106	70	130	6.2	20	
Surr: 1,2-Dichlorobenzene-d4			10	101	80	120	0	10	
Surr: Dibromofluoromethane			10	94.8	70	130	0	10	
Surr: p-Bromofluorobenzene			10	90	80	120	0	10	
Surr: Toluene-d8			10	105	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record



ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: 73007 NOBBS	
Report Mail Address: 611 SKYLINE RD		Contact Name, Phone, Fax, E-mail: Rick Deuell	
Invoice Address: LARAMIE WY 82070		Invoice Contact & Phone #: 307 760 3277	
Report Required For: POTW/WWTP ☐ DW ☐ Other: _____		Purchase Order #: 93007.4	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other: _____ EDD/EDT ☐ Format: _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Shipped by: UPS	
Collection Date		Cooler ID(s): 02001	
Collection Time		Receipt Temp: 41.6° C	
1 93007-14.10.04		Custody Seal YCN	
2 93007-15.10.04		Intact Y N	
3 93007-13.10.04		Signature Y N	
4 93007-5.10.04		Match Y N	
5 93007-6.10.04		Lab ID	
6 93007-3.10.04			
7 93007-7.10.04			
8 93007-10.10.04			
9 93007-10.10.04			
10 93007-9.10.04			
Relinquished by (print): Rick Deuell		Received by (print): R. M. Olfson	
Date/Time: 11/10/04 16:30		Date/Time: 11-20-04 9:00 AM	
Signature: _____		Signature: _____	
Relinquished by (print): _____		Received by (print): _____	
Date/Time: _____		Date/Time: _____	
Custody Record MUST be Signed		LABORATORY USE ONLY	
Sample Disposal: _____		Sample Type: _____	
Return to client: _____		# of fractions: _____	
In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.		LABORATORY USE ONLY	
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.			



Chain of Custody and Analytical Request Record

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

Page 2 of 2



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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

Company Name:

WUC

Report Mail Address:

G11 SKYLINE RD

LARAMIE WY 82070

Invoice Address:

SAME

Project Name, PWS #, Permit #, Etc.:

93007 40BBS

Contact Name, Phone, Fax, E-mail:

RIK DENUELL

Sampler Name if other than Contact:

307 700 3277

Invoice Contact & Phone #:

Purchase Order #:

23007.4

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other ☐

Special Report Formats - ELI must be notified prior to sample submittal for the following:

NELAC ☐ A2LA ☐ Level IV ☐

Other ☐

EDD/EDT ☐ Format ☐

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)

Collection Date

Collection Time

1 93007 - 4.10.04 10/30/04 09:30

2 93007 - 2.10.04 10/30/04 07:45

3 93007 - 12.10.04 10/30/04 10:00

4 93007 - 11.10.04 10/30/04 10:30

5 93007 - A.10.04 10/30/04 16:00

6 93007 - B.10.04 10/30/04 06:30

7 TRIP BLANK 10/30/04 16:30

8

9

10

ANALYSIS REQUESTED

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids Vegetation
Bioassay Other

SEE ATTACHED

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Comments:

RUSH Turnaround (TAT)

Normal Turnaround (TAT)

Shipped by:

UPS

Cooler ID(s)

4143

Receipt Temp

4.6 °C

Custody Seal

Y N

Intact

Y N

Signature

Match

Lab ID

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):

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

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



Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **Western Water Consultants**

Date and Time Received: **11/2/2004 9:00:00 AM**

Work Order Number **C04110126**

Received by **rl**

Checklist completed by: *R.M. Lofton*

Signature

Date

11-2-04

Reviewed by

Initials

Date

Carrier name **UPS**

Shipping container/cooler in good condition?	Yes ☒	No	Not Present
Custody seals intact on shipping container/cooler?	Yes ☐	No	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No	Not Present ☒
Chain of custody present?	Yes ☒	No	
Chain of custody signed when relinquished and received?	Yes ☒	No	
Chain of custody agrees with sample labels?	Yes ☒	No	
Samples in proper container/bottle?	Yes ☒	No	
Sample containers intact?	Yes ☒	No	
Sufficient sample volume for indicated test?	Yes ☒	No	
All samples received within holding time?	Yes ☒	No	
Container/Temp Blank temperature in compliance?	Yes ☒	No	4.6 °C On Ice
Water - VOA vials have zero headspace?	Yes ☒	No	No VOA vials submitted
Water - pH acceptable upon receipt?	Yes ☒	No	Not Applicable

Adjusted? _____

Checked by _____

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

Client contacted _____

Date contacted: _____

Person contacted _____

Contacted by: _____

Regarding: _____

Comments:

Corrective Action _____



Date: 17-Nov-04

CLIENT: Western Water Consultants
Project: 93007 Hobbs
Sample Delivery Group: C04110126

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

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

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

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

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

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

The total number of pages of this report are indicated by the page number located in the lower right corner.

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: 73007 NOBBS	
Report Mail Address: 611 SKYLINE RD		Contact Name, Phone, Fax, E-mail: Rick Deuel	
Invoice Address: LARAMIE WY 82070		307 760 3277	
Report Required For: SAME		Purchase Order #: 93007.4	
Report Required For: POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: _____	
Shipped by: WWS Cooler ID(s): 1160 C Receipt Temp: 10 Custody Seal Y/N: Y N Intact: Y N Signature Match: Y N Lab ID: _____		Shipped by: _____ Cooler ID(s): _____ Receipt Temp: _____ Custody Seal Y/N: _____ Intact: _____ Signature Match: _____ Lab ID: _____	

ANALYSIS REQUESTED		SEE ATTACHED		Normal Turnaround (TAT)		RUSH Turnaround (TAT)		LABORATORY USE ONLY	
Number of Containers	Sample Type: A W S V B O	Matrix	Sample Type: A W S V B O	Matrix	Sample Type: A W S V B O	Matrix	Sample Type: A W S V B O	Matrix	Sample Type: A W S V B O
1	93007-14.10/04	10/29/04	17:00	3	3				
2	93007-15.10/04	17:30							
3	93007-13.10/04	18:00							
4	93007-5.10/04	10/30/04	07:00						
5	93007-6.10/04	07:30							
6	93007-3.10/04	08:00							
7	93007-7.10/04	08:30							
8	93007-13.10/04	09:45							
9	93007-13.10/04	09:00							
10	93007-9.10/04	09:15							

Relinquished by (print): Rick Deuel Date/Time: 11/1/04 16:30		Received by (print): Rm200ton Date/Time: 11-2-04 9:00	
Relinquished by (print): _____ Date/Time: _____		Received by (print): _____ Date/Time: _____	

Signature: Rick Deuel Date/Time: 11/1/04 16:30		Signature: Rm200ton Date/Time: 11-2-04 9:00	
Signature: _____ Date/Time: _____		Signature: _____ Date/Time: _____	

Sample Disposal: _____ Return to client: _____		Sample Type: _____ # of fractions: _____	
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Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

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

Company Name: WUC		Project Name, PWS #, Permit #, Etc.: 93007 40BBS	
Report Mail Address: 611 SKYLINE RD		Contact Name, Phone, Fax, E-mail: Rick Deuser	
Invoice Address: LORDSMIE WY 02070		307 760 3277	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		Purchase Order #: 93007.4	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
ELI Quote #:		Comments:	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		RUSH Turnaround (TAT)	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Normal Turnaround (TAT)	
ELI Quote #:		SEE ATTACHED	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		ANALYSIS REQUESTED	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Number of Containers	
ELI Quote #:		Sample Type: A W S V B O	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		Air Water Soils/Solids Vegetation	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Biossay Other	
ELI Quote #:		MATRIX	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		EPA 826C	
ELI Quote #:		EPA 826C	
Report Required For: POTWW/WTP ☐ DW ☐ Other _____		EPA 826C	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

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



ANALYTICAL SUMMARY REPORT

November 15, 2004

Rick Deuell

Western Water Consultants

611 Skyline Rd

Laramie, WY 82070

Workorder No.: C04110065

Project Name: 93007 Hobbs

Energy Laboratories Inc. received the following 3 samples from Western Water Consultants on 11/2/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C04110065-001	93007-WP.10/04	11/01/04 11:00	11/02/04	Air	SW8260B VOCs, Standard List
C04110065-002	93007-AD.10/04	11/01/04 11:15	11/02/04	Air	Same As Above
C04110065-003	93007-UST.10/04	11/01/04 11:30	11/02/04	Air	Same As Above

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

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

Report Approved By:


ROGER GAJDOS
LABORATORY SUPERVISOR



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110065-001
Client Sample ID: 93007-WP.10/04

Report Date: 11/15/04
Collection Date: 11/01/04 11:00
Date Received: 11/02/04
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2,4-Trimethylbenzene	6.1	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,3,5-Trimethylbenzene	3.6	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Benzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110065-001
Client Sample ID: 93007-WP.10/04

Report Date: 11/15/04
Collection Date: 11/01/04 11:00
Date Received: 11/02/04
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
m+p-Xylenes	2.3	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	11/02/04 15:49 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
o-Xylene	4.2	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Styrene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Tetrachloroethene	4.2	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Toluene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	11/02/04 15:49 / rh
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	11/02/04 15:49 / rh
Surr: Dibromofluoromethane	91.2	%REC			80-120	SW8260B	11/02/04 15:49 / rh
Surr: p-Bromofluorobenzene	91.6	%REC			80-120	SW8260B	11/02/04 15:49 / rh
Surr: Toluene-d8	94.0	%REC			80-120	SW8260B	11/02/04 15:49 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110065-002
Client Sample ID: 93007-AD.10/04

Report Date: 11/15/04
Collection Date: 11/01/04 11:15
Date Received: 11/02/04
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Benzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C04110065-002

Client Sample ID: 93007-AD.10/04

Report Date: 11/15/04

Collection Date: 11/01/04 11:15

Date Received: 11/02/04

Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	11/02/04 16:28 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
o-Xylene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Styrene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Tetrachloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Toluene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	11/02/04 16:28 / rh
Surr: 1,2-Dichlorobenzene-d4	99.6	%REC			80-120	SW8260B	11/02/04 16:28 / rh
Surr: Dibromofluoromethane	87.2	%REC			80-120	SW8260B	11/02/04 16:28 / rh
Surr: p-Bromofluorobenzene	86.8	%REC			80-120	SW8260B	11/02/04 16:28 / rh
Surr: Toluene-d8	95.6	%REC			80-120	SW8260B	11/02/04 16:28 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110065-003
Client Sample ID: 93007-UST.10/04

Report Date: 11/15/04
Collection Date: 11/01/04 11:30
Date Received: 11/02/04
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Benzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C04110065-003
Client Sample ID: 93007-UST.10/04

Report Date: 11/15/04
Collection Date: 11/01/04 11:30
Date Received: 11/02/04
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Ethylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	11/02/04 17:09 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
o-Xylene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Styrene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Tetrachloroethene	7.0	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Toluene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	11/02/04 17:09 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	11/02/04 17:09 / rh
Surr: Dibromofluoromethane	88.8	%REC			80-120	SW8260B	11/02/04 17:09 / rh
Surr: p-Bromofluorobenzene	88.4	%REC			80-120	SW8260B	11/02/04 17:09 / rh
Surr: Toluene-d8	96.4	%REC			80-120	SW8260B	11/02/04 17:09 / rh

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

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



Chain of Custody and Analytical Request Record

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

Page 1 of 1



ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

Company Name: <u>WVLC</u>		Project Name, PWS #, Permit #, Etc.: <u>93007 HOBBS</u>	
Report Mail Address: <u>611 SKYLINE RD</u>		Contact Name, Phone, Fax, E-mail: <u>rick deuell</u>	
Invoice Address: <u>LARAMIE, WY 82070</u>		Invoice Contact & Phone #: <u>307 760 3277</u>	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____		Purchase Order #: <u>93007 5</u>	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		ELI Quote #:	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
1 <u>93007 - WP - 10/04</u>		Comments:	
2 <u>93007 - AD - 10/04</u>		RUSH Turnaround (TAT)	
3 <u>93007 - UST - 10/04</u>		Normal Turnaround (TAT)	
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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name Western Water Consultants

Date and Time Received: 11/2/2004 09:00:00

Work Order Number C04110065

Received by las

Checklist completed by: [Signature] 11/2/04
Signature Date

Reviewed by _____
Initials Date

Carrier name UPS

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

Adjusted? _____ Checked by _____

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

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____



Date: 15-Nov-04

CLIENT: Western Water Consultants

Project: 93007 Hobbs

Sample Delivery Group: C04110065

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

SUBCONTRACTING ANALYSIS

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

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

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

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

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

The total number of pages of this report are indicated by the page number located in the lower right corner.



Chain of Custody and Analytical Request Record

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

Company Name: <u>WVLC</u>		Project Name, PWS #, Permit #, Etc.: <u>93007 403BS</u>	
Report Mail Address: <u>611 SKYLINE RD</u>		Contact Name, Phone, Fax, E-mail: <u>RICK DEWEU</u>	
Invoice Address: <u>LARAMIE, WY 82070</u>		Purchase Order #: <u>93007 5</u>	
Report Required For: ☐ POTWWTP ☐ DW ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Comments:	
EDD/EDT ☐ Format _____		Shipped by: <u>93007</u>	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Cooler ID(s) <u>01085</u>	
Collection Date		Receipt Temp _____ °C	
Collection Time		Custody Seal <u>Y</u>	
		Intact <u>Y</u>	
		Signature <u>Y</u>	
		Match <u>Y</u>	
		Lab ID _____	
1 <u>93007 - WP - 10/04</u>		LABORATORY USE ONLY	
2 <u>93007 - AD - 10/04</u>			
3 <u>93007 - UST - 10/04</u>			
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ANALYSIS REQUESTED		SEE ATTACHED	
Number of Containers		Normal Turnaround (TAT)	
Sample Type: A W S V B O		RUSH Turnaround (TAT)	
Air Water Soils/Solids Vegetation			
Bioassay Other			
MATRIX			
1 <u>1A</u>			
2 <u>↓</u>			
3 <u>↓</u>			
4			
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10			
Relinquished by (print): <u>RICK DEWEU</u>		Received by (print): <u>ELI</u>	
Date/Time: <u>11/10/04 16:30</u>		Date/Time: _____	
Signature: _____		Signature: _____	
Relinquished by (print): _____		Received by (print): <u>ELI</u>	
Date/Time: _____		Date/Time: _____	
Signature: _____		Signature: _____	
Sample Disposal: _____		Sample Type: <u>LABORATORY USE ONLY</u>	
Return to client: _____		# of fractions _____	
Custody Record MUST be Signed		LABORATORY USE ONLY	

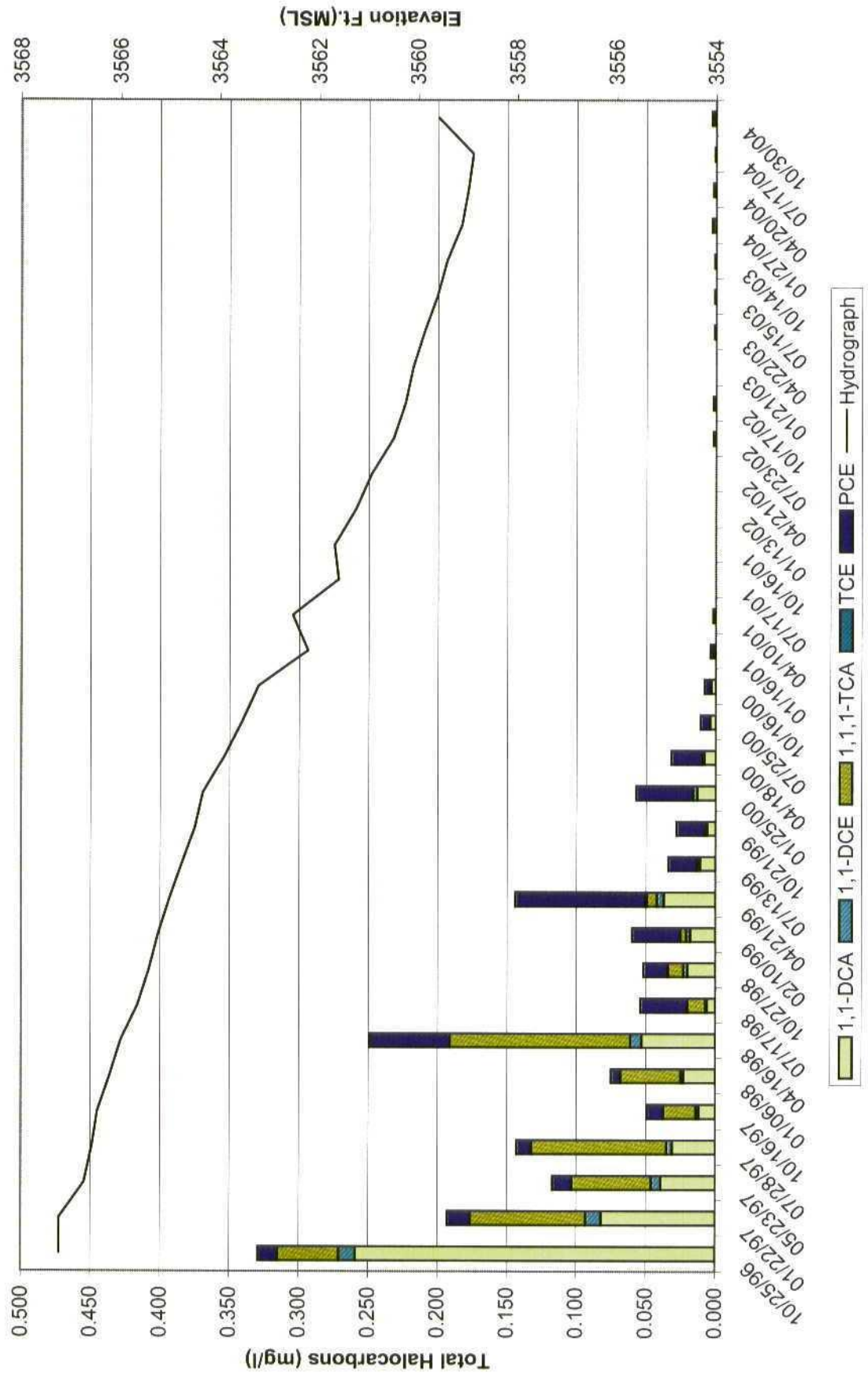
In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

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

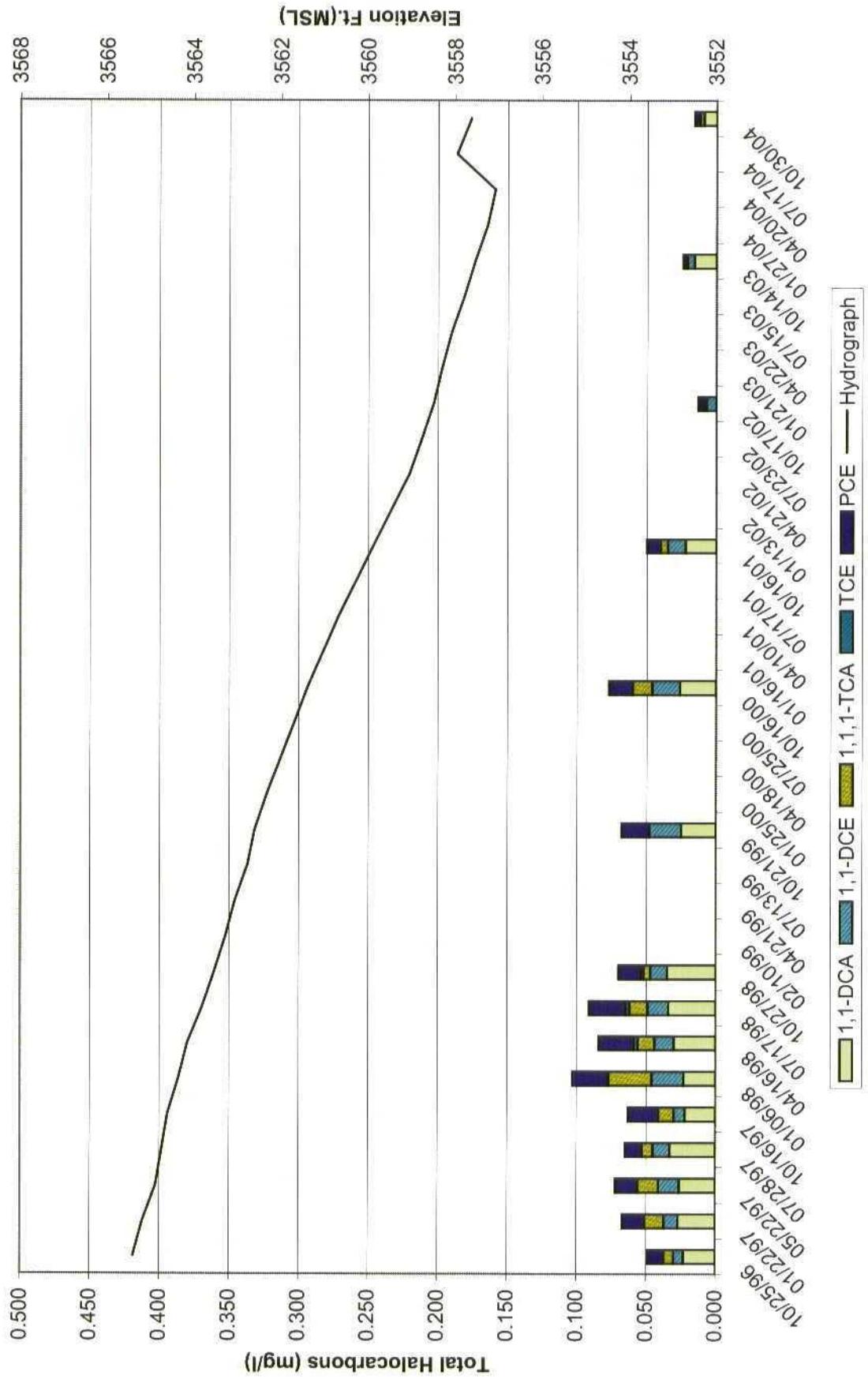
APPENDIX B

Halocarbons and Ground-water Level Plots

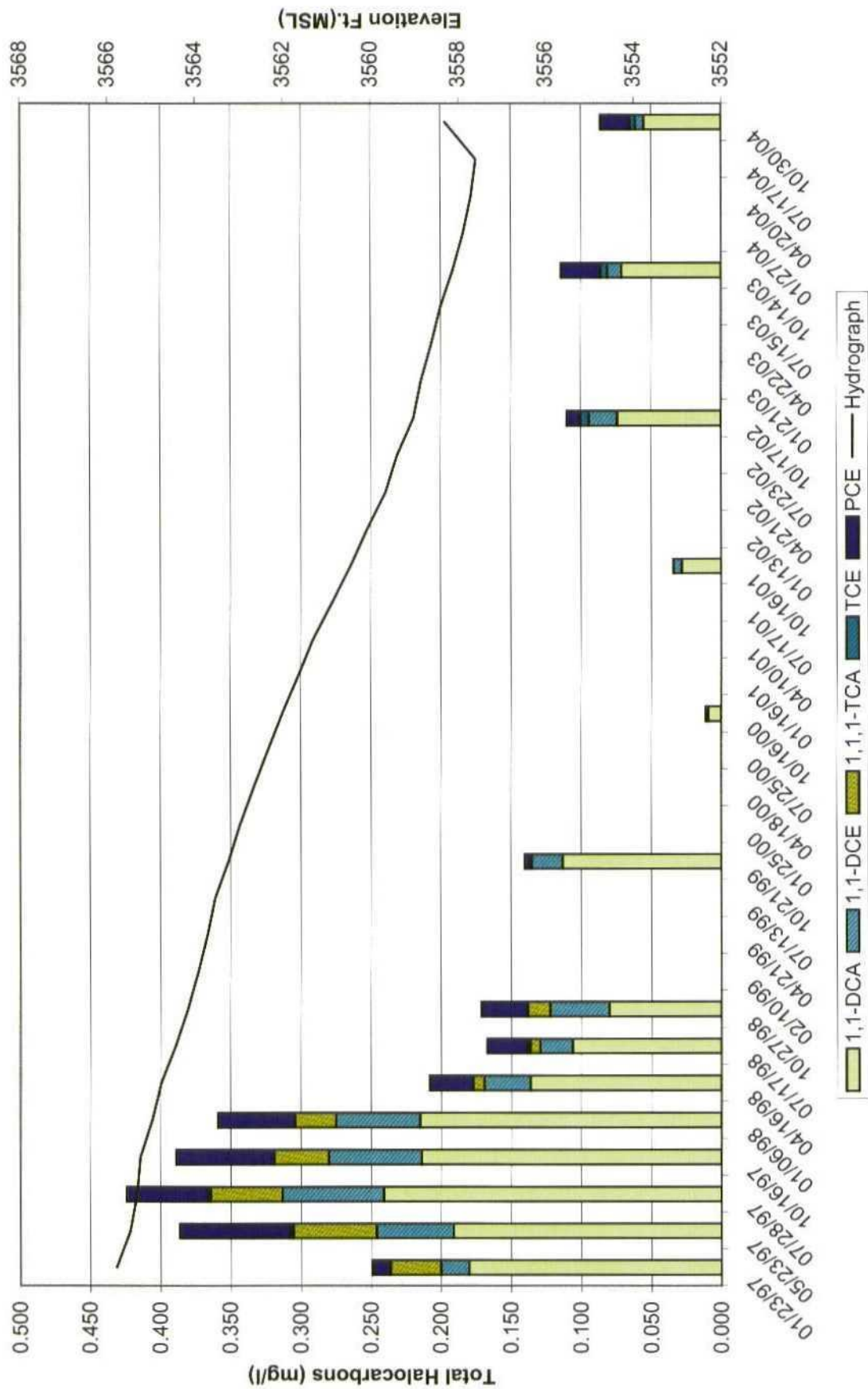
Monitoring Well MW-2



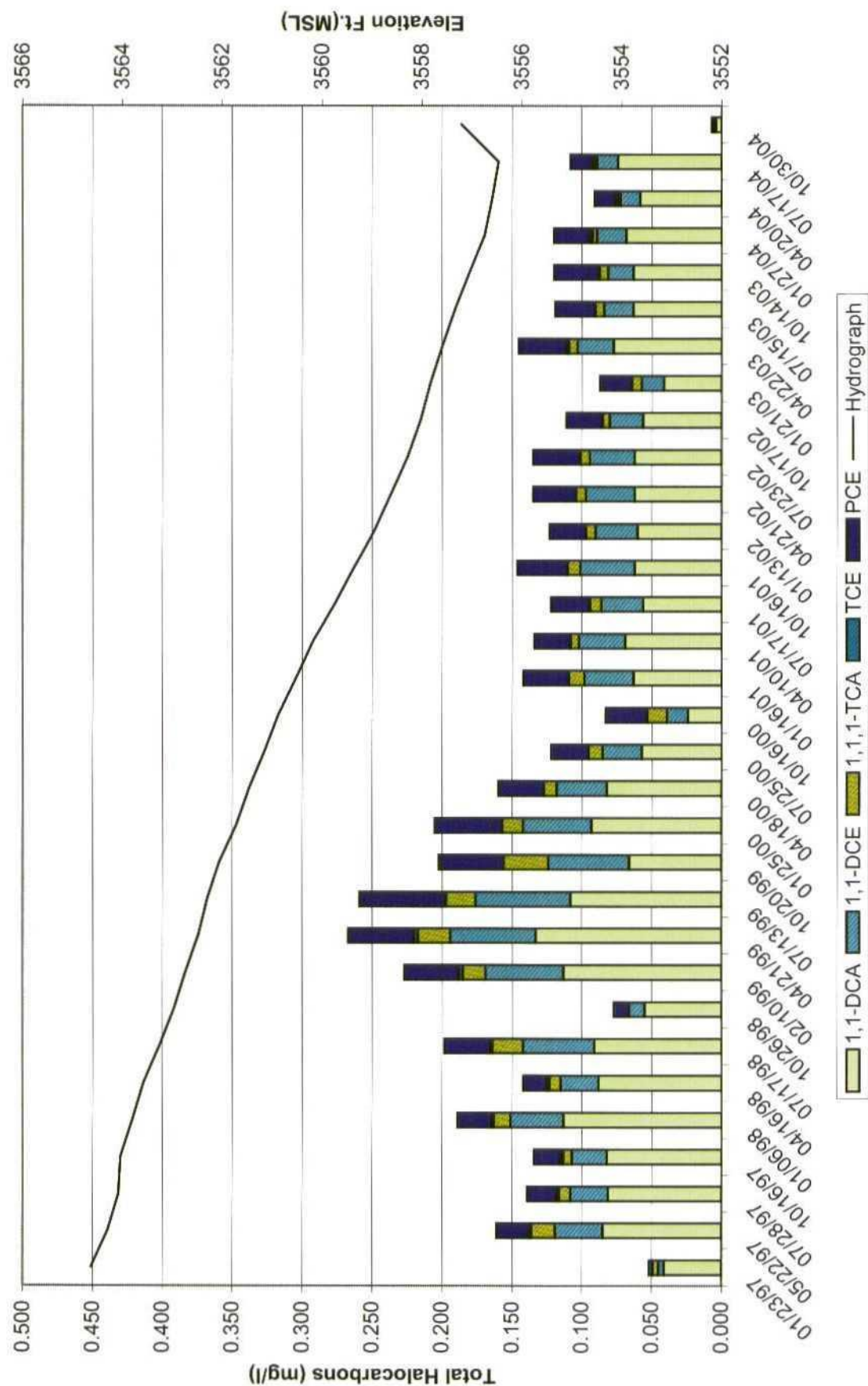
Monitoring Well MW-3



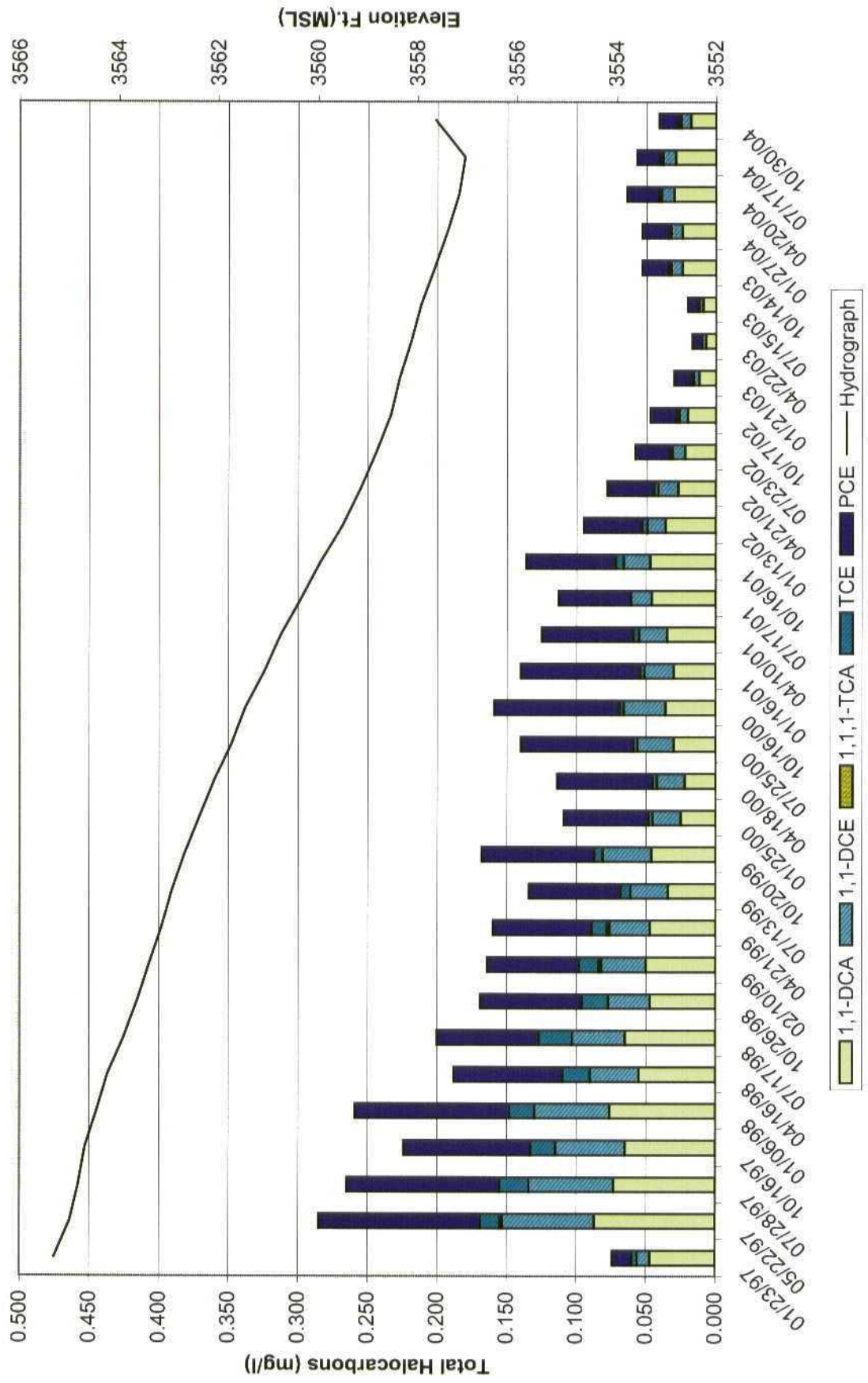
Monitoring Well MW-5



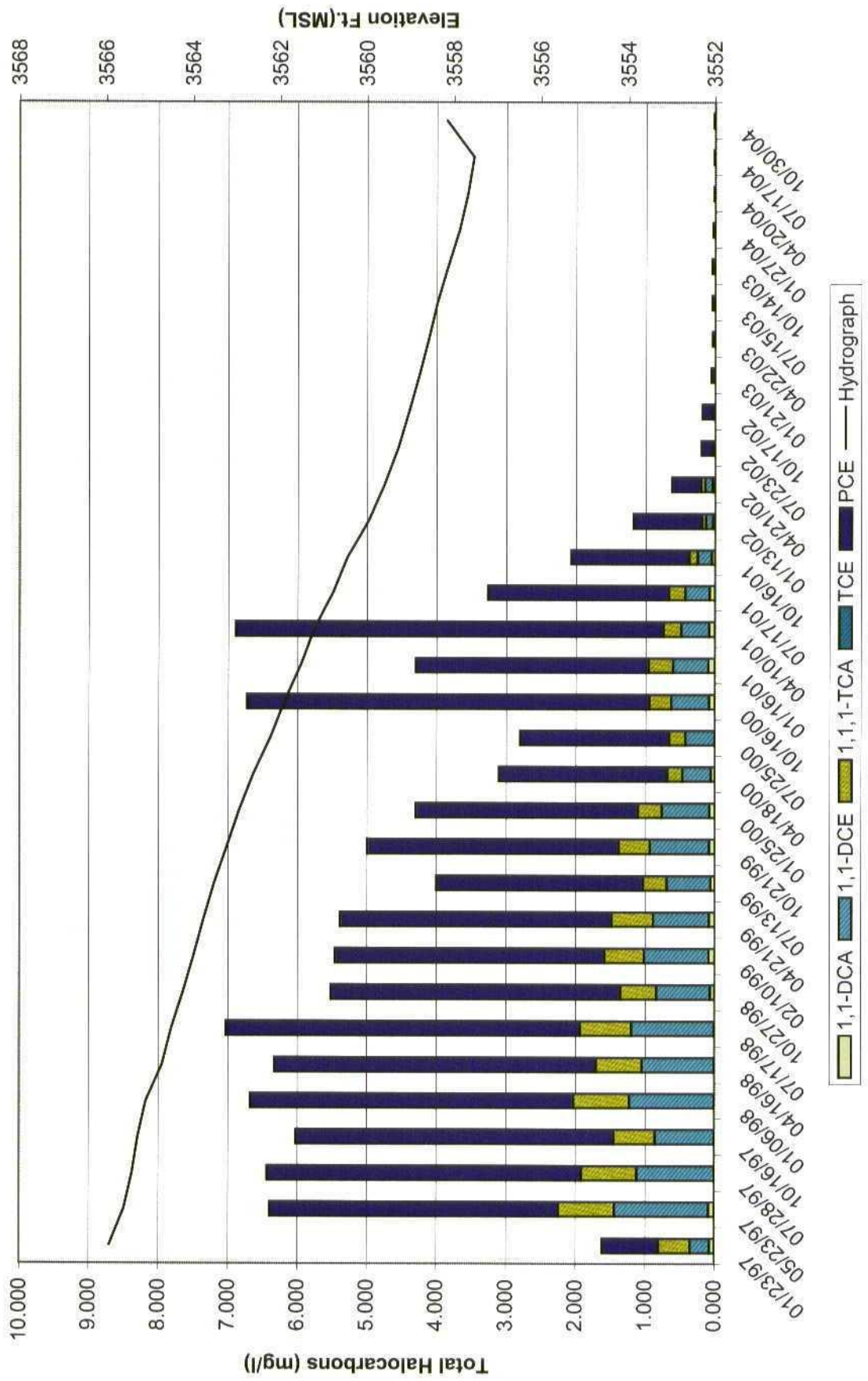
Monitoring Well MW-6



Monitoring Well MW-7

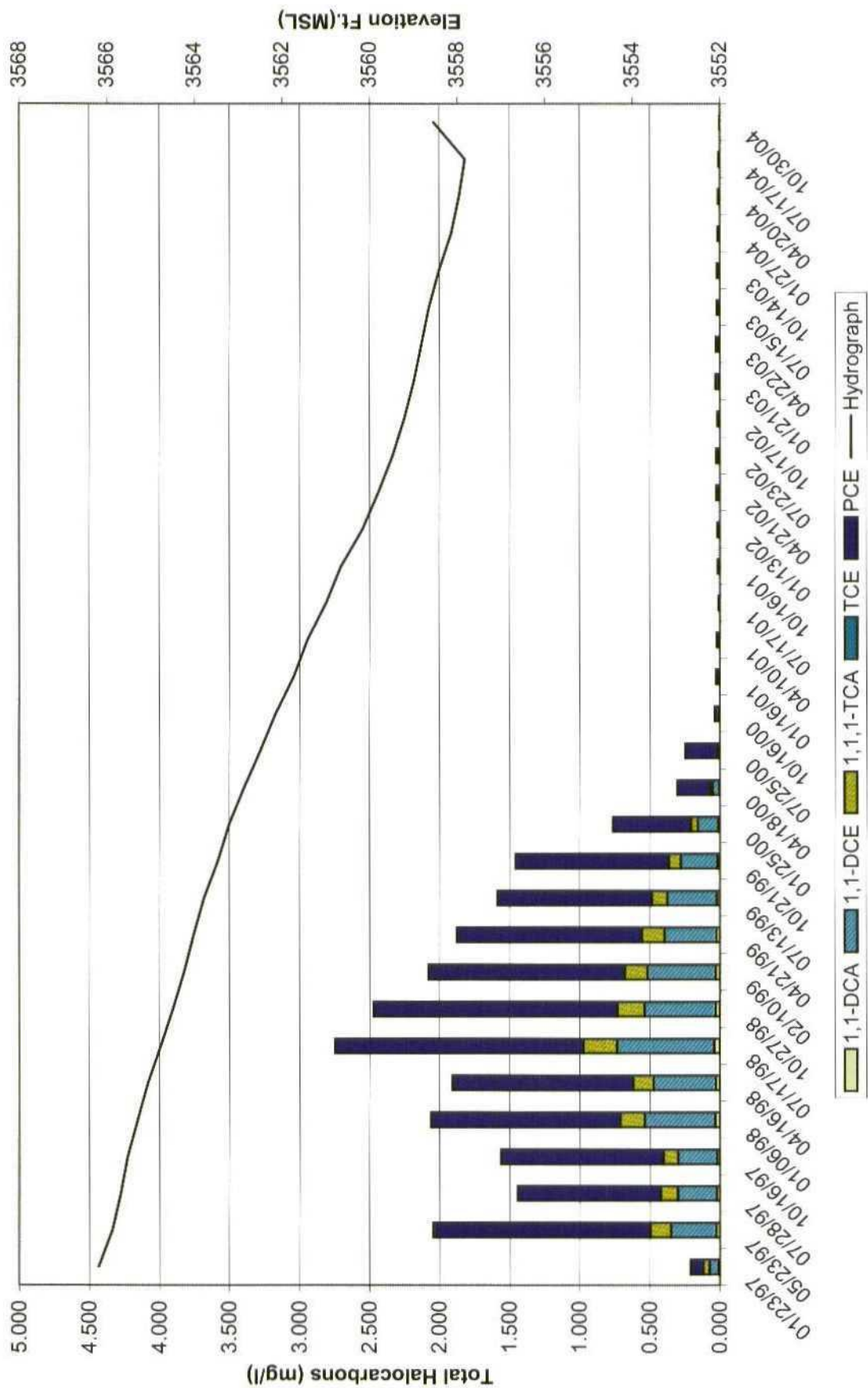


Monitoring Well MW-8

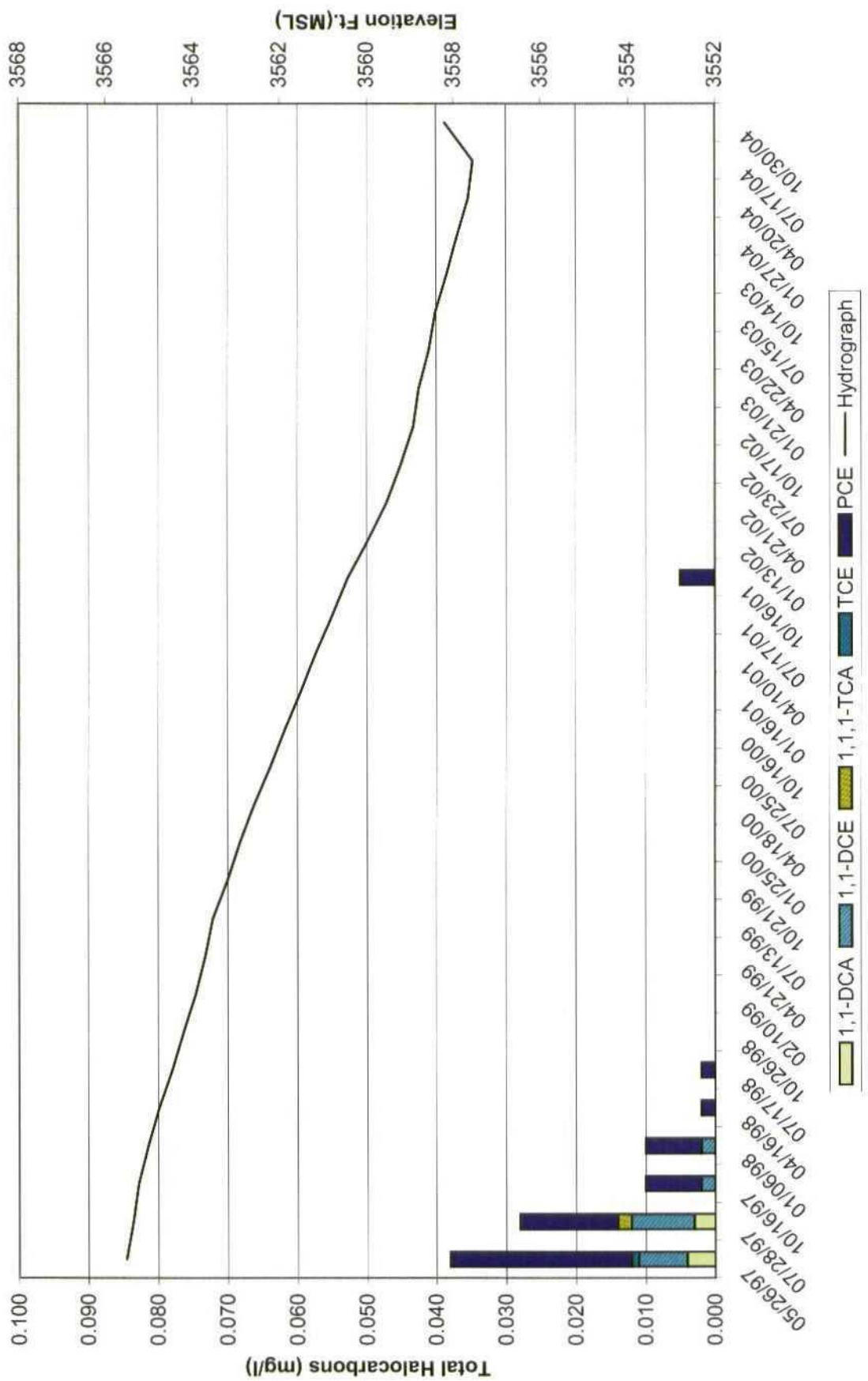


The chart displays the concentration of total halocarbons (mg/l) and the elevation (ft. MSL) over time. The x-axis represents dates from 01/23/97 to 10/30/04. The left y-axis represents Total Halocarbons (mg/l) from 0.000 to 5.000. The right y-axis represents Elevation Ft.(MSL) from 3552 to 3568. The legend indicates the following data series: 1,1-DCA (light blue), 1,1-DCE (yellow), 1,1,1-TCA (dark blue), TCE (teal), PCE (dark blue), and Hydrograph (black line).

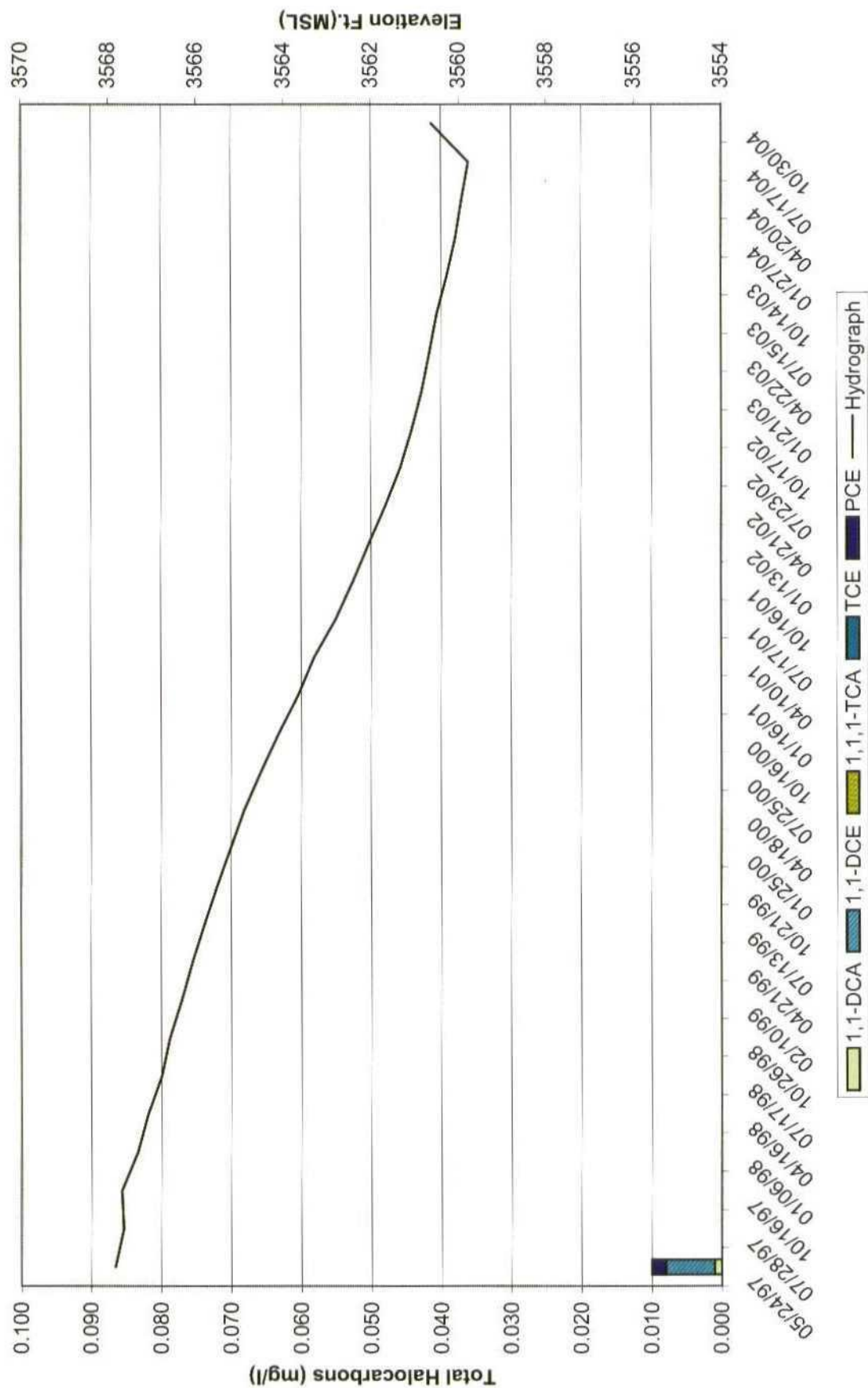
Date	1,1-DCA (mg/l)	1,1-DCE (mg/l)	1,1,1-TCA (mg/l)	TCE (mg/l)	PCE (mg/l)	Elevation Ft.(MSL)
01/23/97	0.05	0.05	0.10	0.05	0.05	3552.5
05/23/97	0.05	0.05	0.10	0.05	0.05	3553.5
07/28/97	0.05	0.05	0.10	0.05	0.05	3554.5
10/16/97	0.05	0.05	0.10	0.05	0.05	3555.5
04/16/98	0.05	0.05	0.10	0.05	0.05	3556.5
07/17/98	0.05	0.05	0.10	0.05	0.05	3557.5
10/27/98	0.05	0.05	0.10	0.05	0.05	3558.5
02/10/99	0.05	0.05	0.10	0.05	0.05	3559.5
04/21/99	0.05	0.05	0.10	0.05	0.05	3560.5
07/13/99	0.05	0.05	0.10	0.05	0.05	3561.5
10/21/99	0.05	0.05	0.10	0.05	0.05	3562.5
01/25/00	0.05	0.05	0.10	0.05	0.05	3563.5
04/18/00	0.05	0.05	0.10	0.05	0.05	3564.5
07/25/00	0.05	0.05	0.10	0.05	0.05	3565.5
10/16/00	0.05	0.05	0.10	0.05	0.05	3566.5
01/16/01	0.05	0.05	0.10	0.05	0.05	3567.5
04/10/01	0.05	0.05	0.10	0.05	0.05	3568.5
07/17/01	0.05	0.05	0.10	0.05	0.05	3569.5
10/16/01	0.05	0.05	0.10	0.05	0.05	3570.5
01/13/02	0.05	0.05	0.10	0.05	0.05	3571.5
04/21/02	0.05	0.05	0.10	0.05	0.05	3572.5
07/23/02	0.05	0.05	0.10	0.05	0.05	3573.5
10/17/02	0.05	0.05	0.10	0.05	0.05	3574.5
01/21/03	0.05	0.05	0.10	0.05	0.05	3575.5
04/22/03	0.05	0.05	0.10	0.05	0.05	3576.5
07/15/03	0.05	0.05	0.10	0.05	0.05	3577.5
10/14/03	0.05	0.05	0.10	0.05	0.05	3578.5
01/27/04	0.05	0.05	0.10	0.05	0.05	3579.5
04/20/04	0.05	0.05	0.10	0.05	0.05	3580.5
07/17/04	0.05	0.05	0.10	0.05	0.05	3581.5
10/30/04	0.05	0.05	0.10	0.05	0.05	3582.5



Monitoring Well MW-10



Monitoring Well MW-11



Monitoring Well MW-12

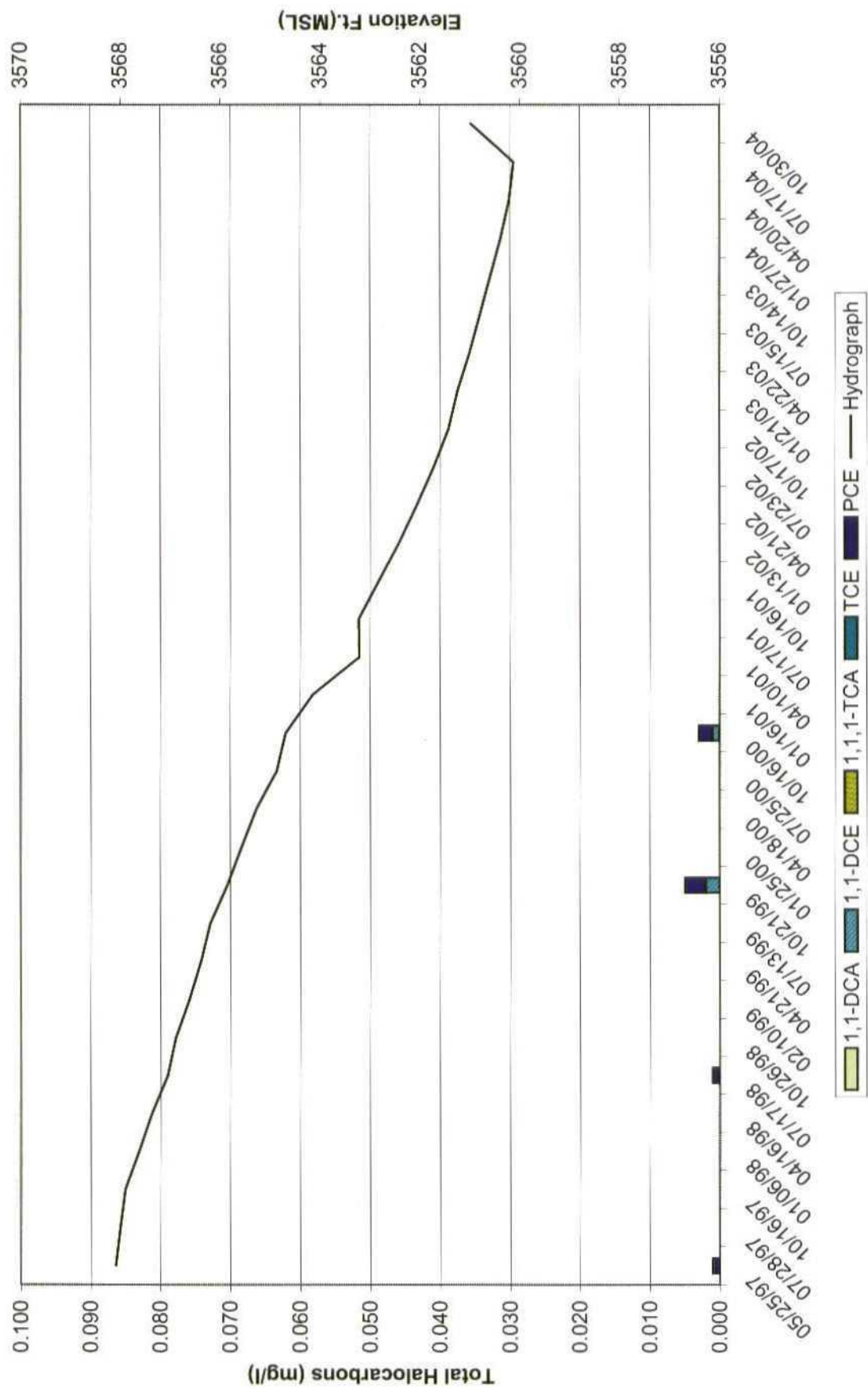
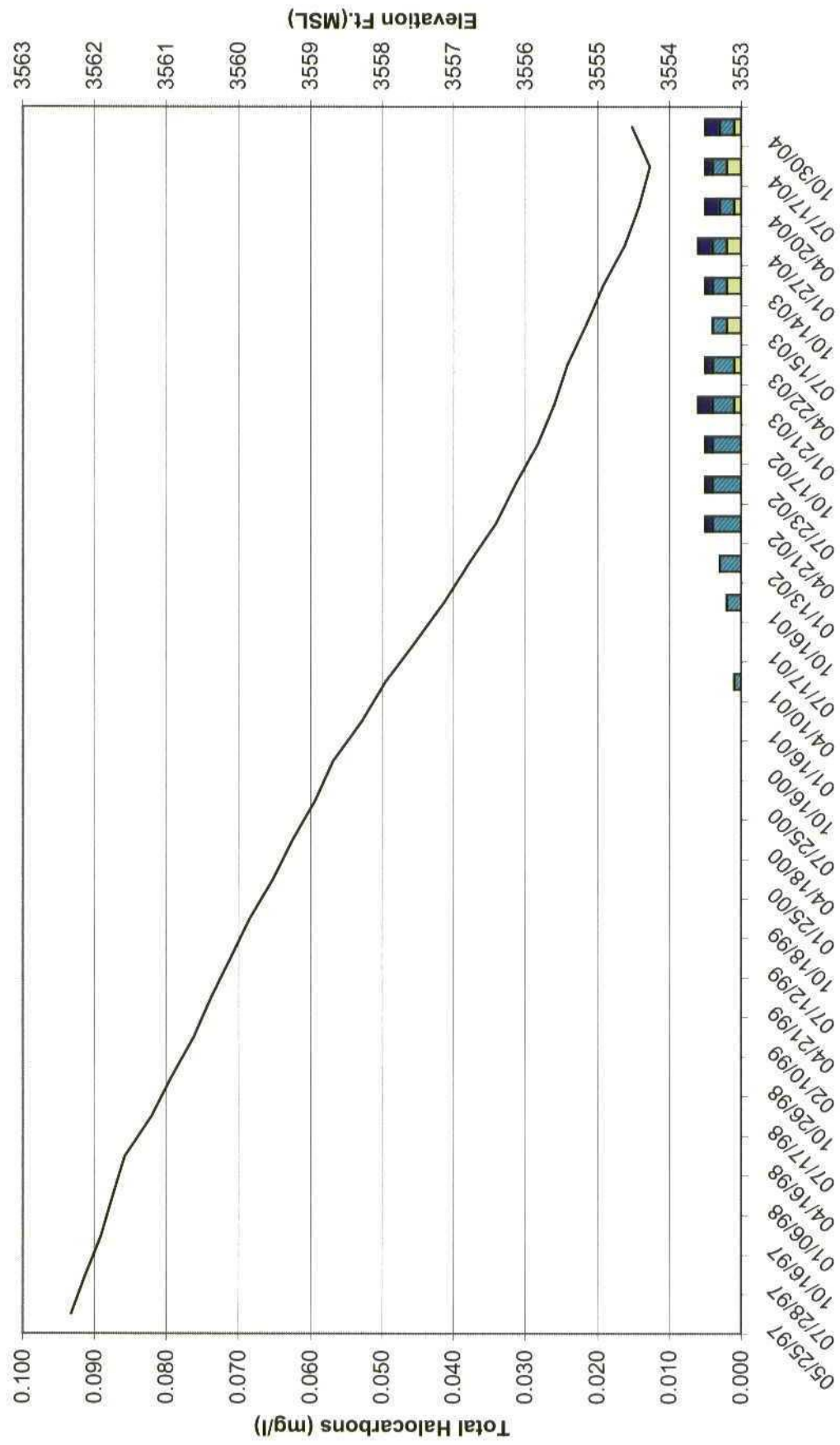
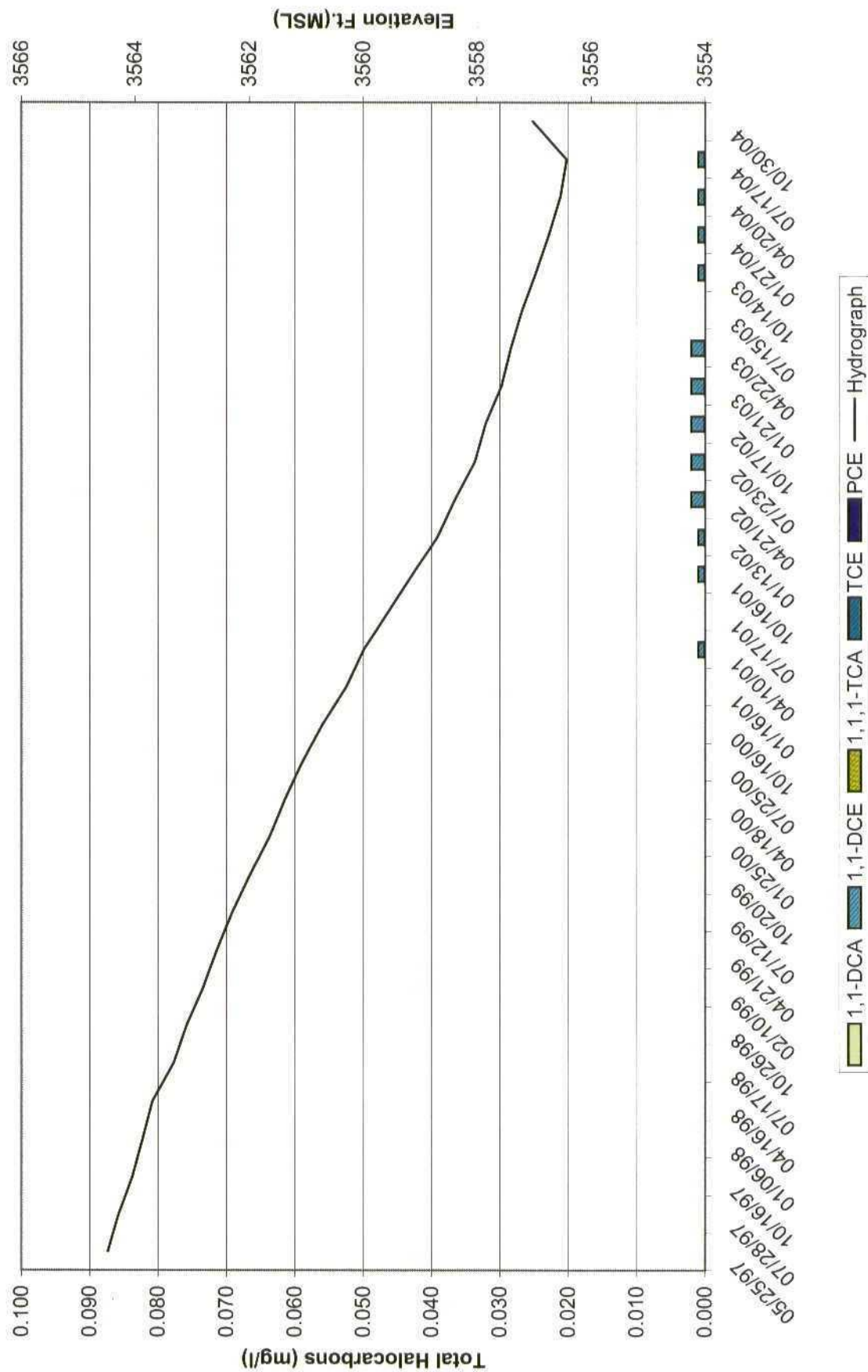




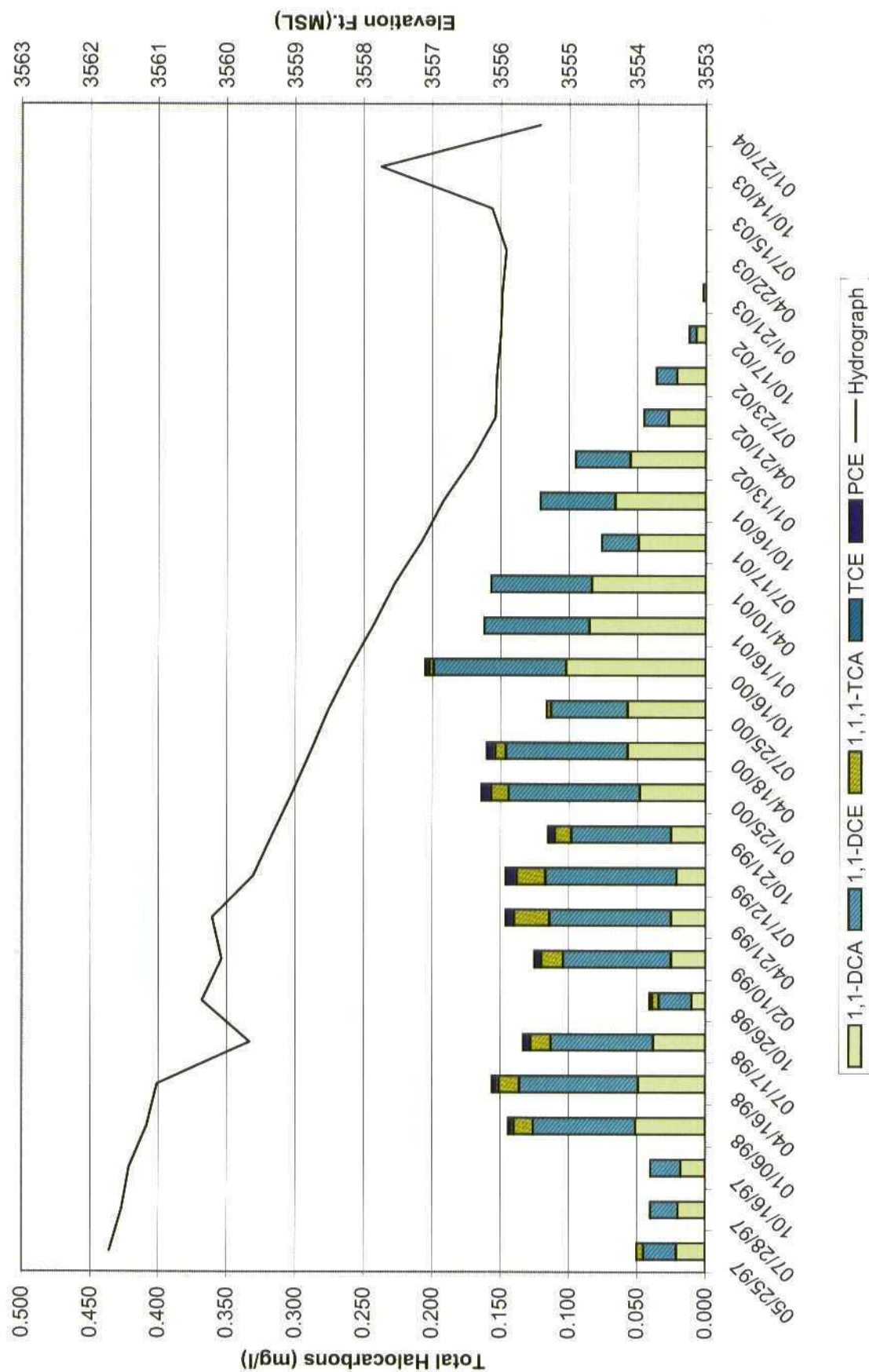
Figure 1 is a dual-axis chart showing the relationship between Total Halocarbons (mg/l) and Elevation Ft.(MSL) over time. The x-axis represents time from 05/25/97 to 10/30/04. The left y-axis represents Total Halocarbons (mg/l) from 0.000 to 0.100. The right y-axis represents Elevation Ft.(MSL) from 3553 to 3563. The line graph shows Total Halocarbons increasing from ~0.095 mg/l in 1997 to ~0.015 mg/l in 2004. The bar chart shows Elevation Ft.(MSL) starting at ~3553.5 ft in 1997 and rising to ~3554.5 ft by 2004.



Monitoring Well MW-15



Monitoring Well MW-SO4



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Environmental Bureau
Oil Conservation Division

*2003 ANNUAL REPORT
SCHLUMBERGER OILFIELD SERVICES
HOBBS, NEW MEXICO*

February 4, 2003

Prepared For:

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1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents monitoring and remedial activities performed in 2003 at the Schlumberger Oilfield Services Facility in Hobbs, New Mexico (Figures 1 and 2). Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2003 consisted of air and ground-water monitoring, and routine remediation system operation and maintenance. The following sections provide an overview of the field work performed, discussion of the data, and recommendations for 2004.

2.0 GROUND-WATER MONITORING

2.0 GROUND-WATER MONITORING

Ground-water monitoring was performed quarterly in 2003 by WWC personnel. The fourth quarter monitoring event was performed October 14, 2003. Results of the previous sampling events for 2003 were presented in reports to the New Mexico Oil and Conservation Division (NMOCD) dated March 21, 2003; May 23, 2003; and September 5, 2003.

2.1 Static Water Level

Static water levels were measured quarterly in 2003 using an oil/water interface probe. The probe was decontaminated between wells with Simple Green and a distilled water rinse. Fourth quarter water level measurements are presented in Table 1, along with historic water level data for comparison. Free product has never been detected at this site.

A map of the potentiometric surface generated from the fourth quarter water level elevations is presented as Figure 3. The ground-water flow direction continues to flow to the east with a hydraulic gradient of 0.006 consistent with earlier determinations of ground-water flow. Ground-water elevations decreased an average of approximately 0.9 feet over the past year. This is a trend that has been observed since the first wells were installed in 1996.

2.2 Ground-water Sampling

Ground-water samples were collected from monitoring wells MW-2, 4, 6, 7, 8, 9, 13, 14, 15, and the Shell Station monitoring well (MW-4) the first three quarters in 2003. During the fourth quarter monitoring event, ground-water samples were collected from all monitoring wells. The Shell Station well has only been sampled when there is sufficient water available. A minimum of three well volumes of ground-water were purged from each well using a Redi-flow submersible pump. The submersible pump was decontaminated with a Simple Green solution and clean water rinse between wells. Purge water was placed into two galvanized steel stock tanks on site and allowed to evaporate.

Ground-water samples were collected using disposable polyethylene bailers and analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-4 and MW-12. The analytical results for the fourth quarter monitoring event are provided in Table 2 along with historical data for comparison. Laboratory analytical reports for the fourth quarter monitoring event are presented as Appendix A.

***3.0 SOIL VAPOR EXTRACTION
SYSTEM MONITORING***

3.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

Air samples were collected quarterly from the three soil vapor extraction (SVE) systems in 2003 and analyzed for volatile organics by EPA Methods 8260. Results of the air quality monitoring are provided on Table 3 along with historical data for comparison. Laboratory data reports are presented as Appendix A. As expected, concentrations in the air being removed is declining. At the former UST System, halocarbons continue to be removed. At the former Waste Pond System, both aromatic and halocarbon compounds are removed. Concentrations in the air at the Acid Dock System are below detectable levels.

4.0 DISCUSSION

4.0 DISCUSSION

Constituents detected in the ground-water at the Hobbs facility are declining. Each monitoring well that has had detections in the past now exhibits an overall downward trend. Concentrations of aromatic hydrocarbon have declined to the extent that ground-water at monitoring wells MW-5, background well MW-11, and Shell Oil well MW-4 are the only locations with detectable BTEX constituents. At these locations concentrations are extremely low and are below MCLs. BTEX constituents in the area of the former wastewater collection pond have not been detected in the ground-water at MW-2 since 2000.

As shown on Table 2, halocarbons remain consistent with historic declining trends in most monitoring wells. Halocarbon concentrations have shown a decline in the ground-water at monitoring wells MW-2, MW-3, MW-4, MW-7, MW-8, MW-9, and MW-SO4. Low concentrations of halocarbons continue to be detected in MW-13 cross-gradient of the facility. Plots were constructed for static water level versus various halocarbon concentrations to illustrate the declines and/or stabilization of constituents at individual wells (Appendix B). An isoconcentration map for total halocarbons (Figure 4) was constructed with the fourth quarter water quality data. As shown the concentrations are declining significantly. The area around MW-6 is the area with the highest concentrations. The rate of decline in this area has not been as good as in the other areas.

SVE and air-sparge systems at the Hobbs facility have run a high percent of the time during 2003 as shown on Figures 5 and 6. The UST system was down for a few days in January and February due to excess water generation. It was also off-line for a few days in October for replacement of electrical control equipment. The former waste water lagoon system water generation was even more significant and required that the system be shut down for about five weeks during February to April. In December the blower failed so the system was down for two weeks until a replacement could be obtained. The Acid dock unit ran almost continuously.

Air quality monitoring indicates both BTEX and halocarbon constituents continue to be removed in the former wastewater collection area. As shown on Table 3, total concentrations have declined from high levels of 425.8 parts per million (ppm) BTEX and 680.7 ppm halocarbons in 1995 to 9.9 ppm BTEX and 15.5 ppm halocarbons in October 2003. The decline of these

constituents in air samples and in the water quality monitoring at MW-2 indicates the area is being successfully remediated. MW-2 is now below MCL's for all constituents.

BTEX constituents detected in air samples from the former UST area remain at nondetect levels, while halocarbons have declined from a high level of 1379.58 ppm in 1995 to 10.5 in October 2003 (Table 3). As shown on Table 2, halocarbons in MW-4 have declined from a high level of 5.9 ppm in 1996 to a low of 0.017 ppm in 2003. In the downgradient well MW-9, halocarbons have declined from greater than 2 ppm in 1997 and 1998, to 0.019 ppm in October 2003. Continued SVE and air sparging of the soil and water should facilitate further declines of halocarbon constituents in the ground-water at this area.

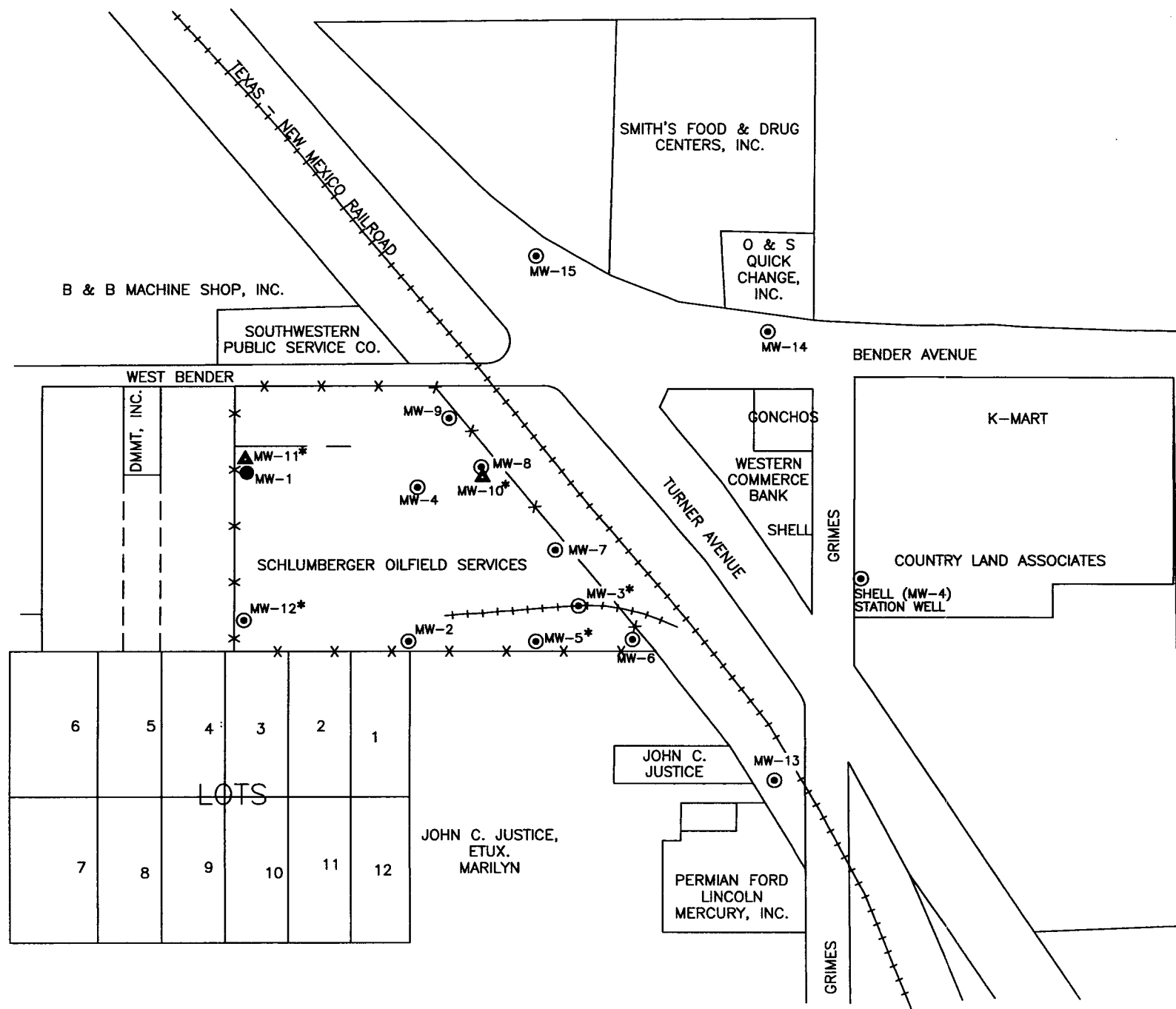
Air samples collected from the acid plant SVE system were nondetect for both BTEX and halocarbon constituents in 2003. However constituents detected in the ground-water at monitoring wells MW-3, MW-5, MW-6, and MW-7 have either declined or remained relatively stable.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

As mentioned previously, hydrocarbons remain below MCL's in the ground-water at perimeter monitoring wells MW-14, MW-15, and MW-SO4. Hydrocarbons and chlorocarbons have been declining in the former wastewater collection area and former UST and have either declined or stabilized in the acid plant area. Dowell recommends that the quarterly ground-water monitoring schedule remain unchanged with monitoring wells MW-3, MW-5, MW-10, MW-11, and MW-12 to be sampled only during the fourth quarter. Static water levels are proposed to be collected from all monitoring wells on a quarterly basis. Operation of the Acid Dock SVE, Waste Pond SVE, and the UST SVE and air-sparge system will continue.

FIGURES



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

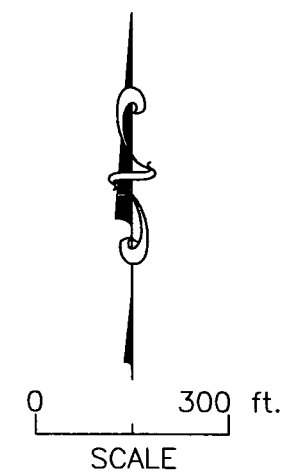


FIGURE 1

MONITORING WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING

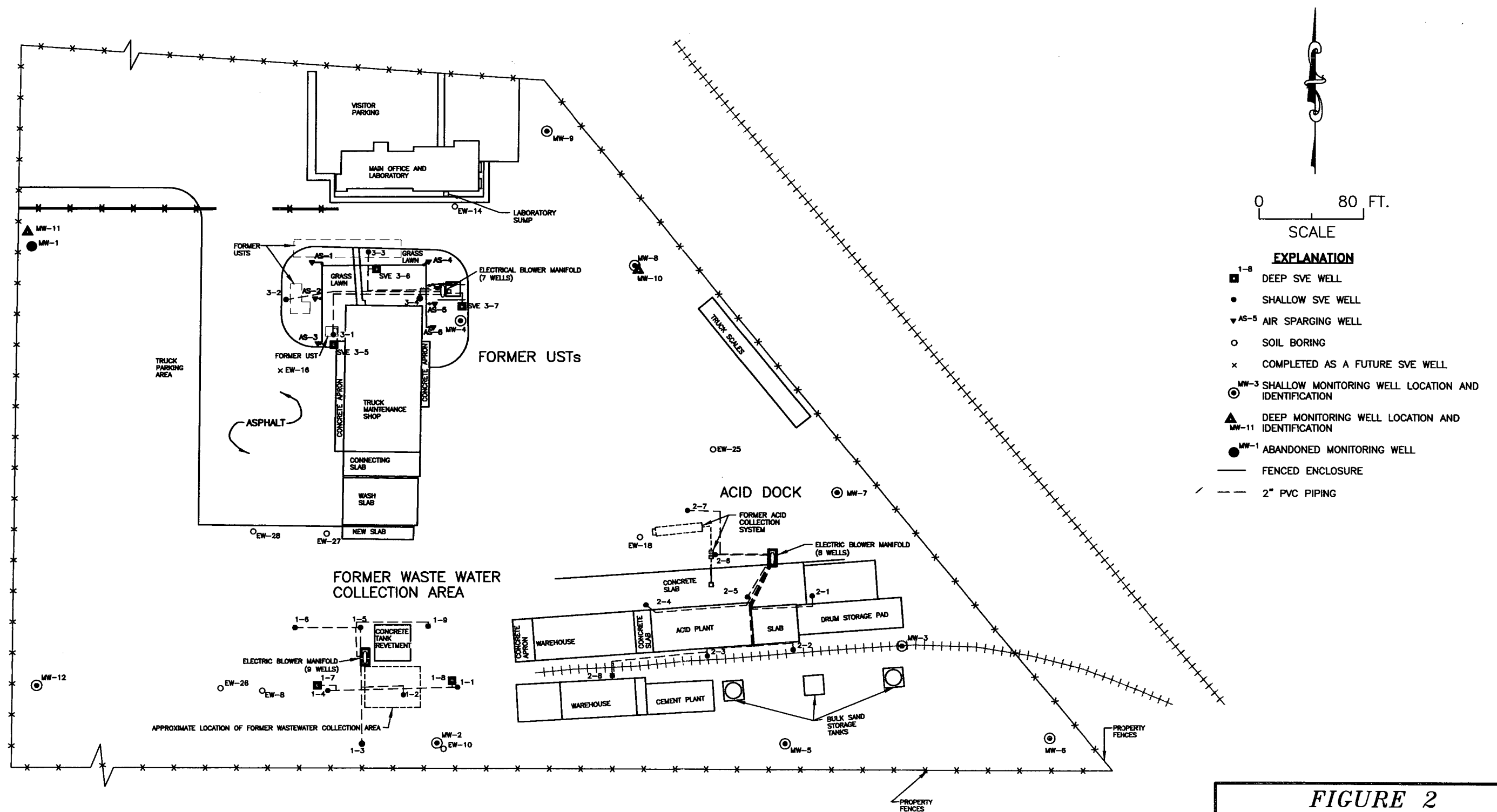
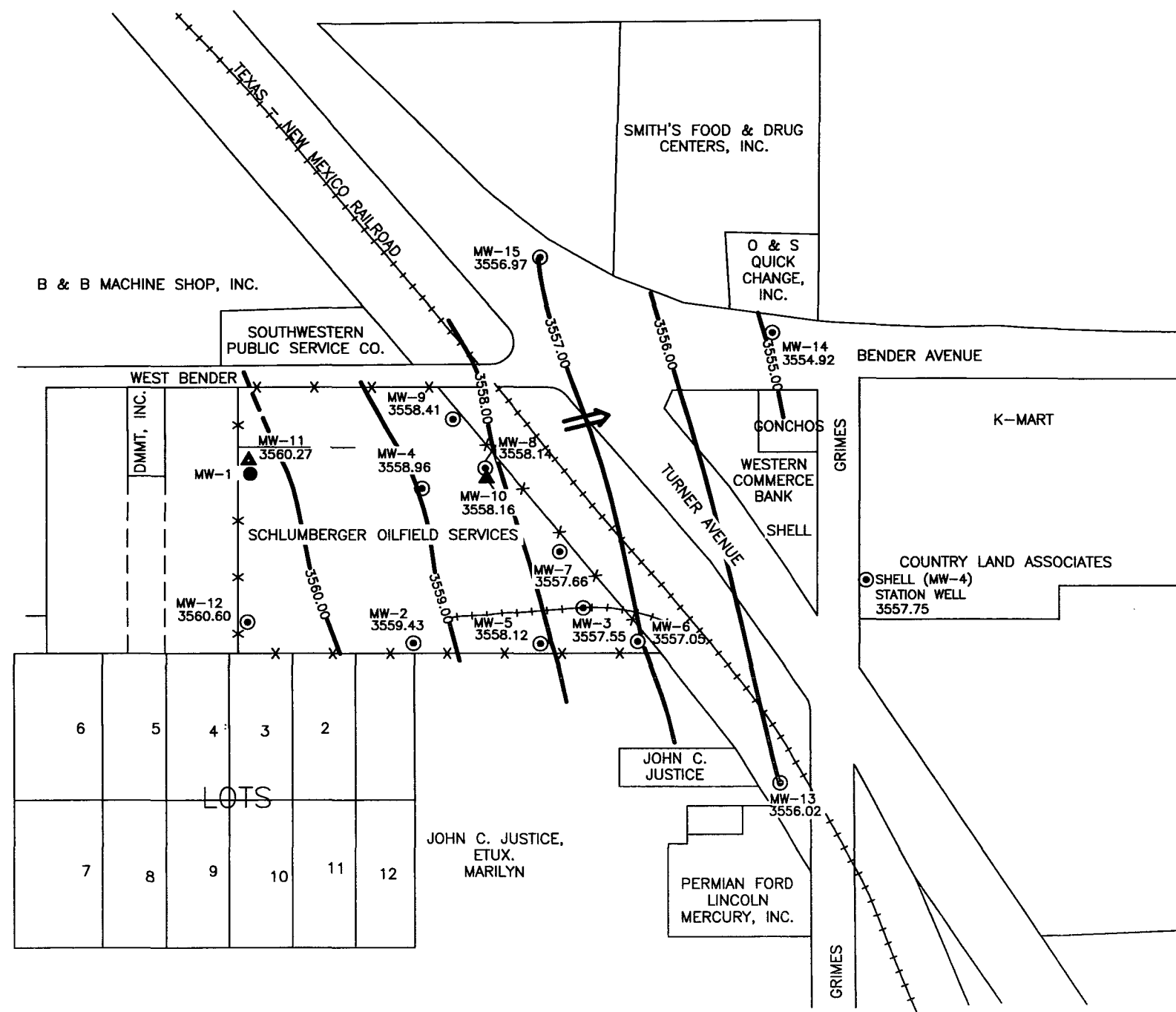


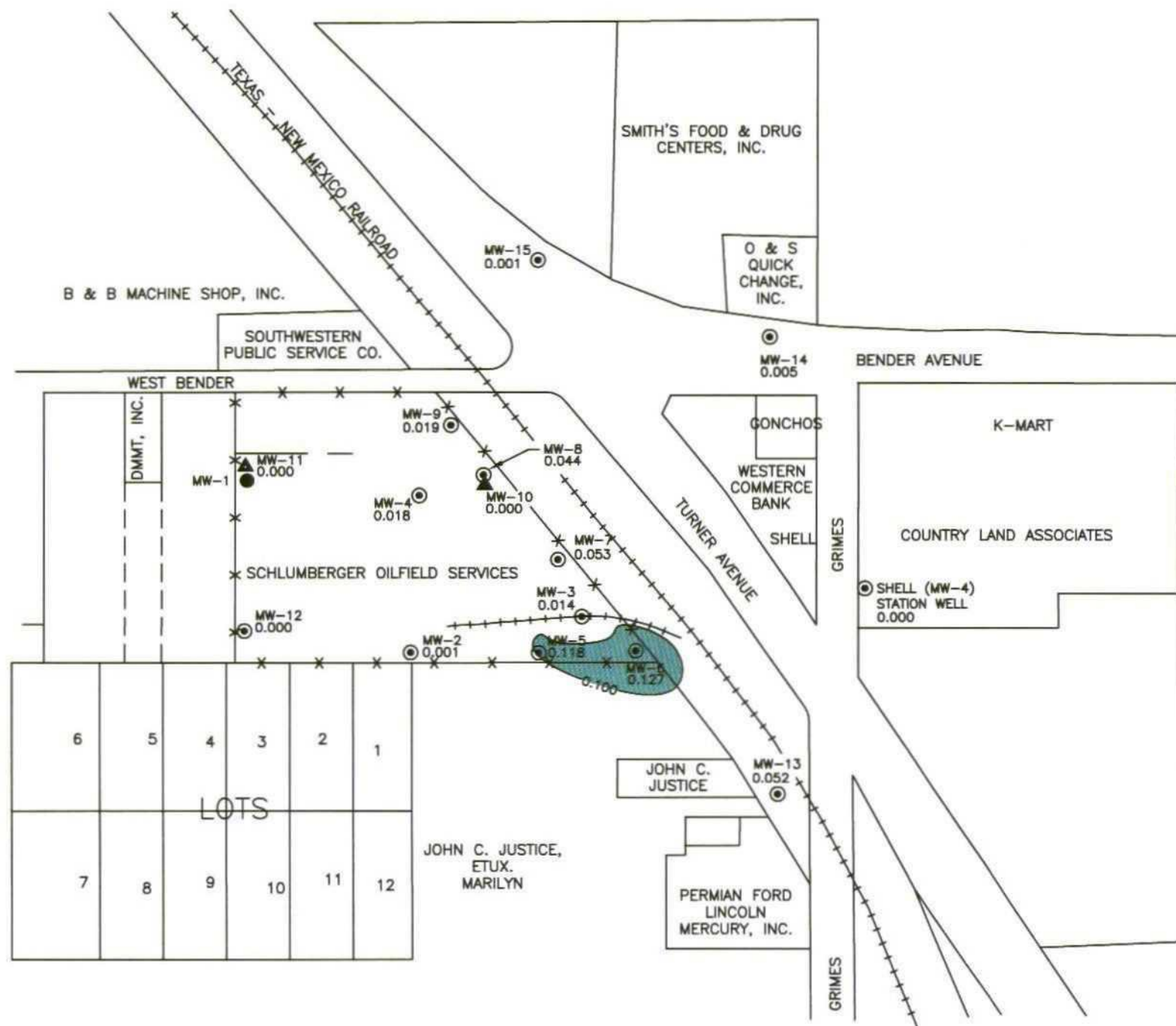
FIGURE 2
SITE MAP AND
MONITORING AND REMEDIATION
WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING



WWCENGINEERING



EXPLANATION

- MW-8 0.039 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-10 0.000 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00' TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

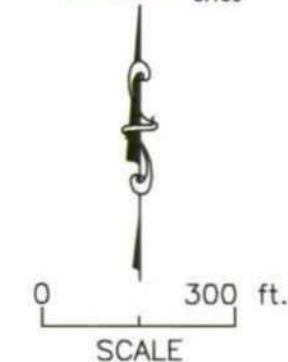
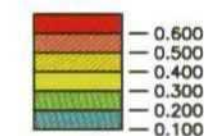


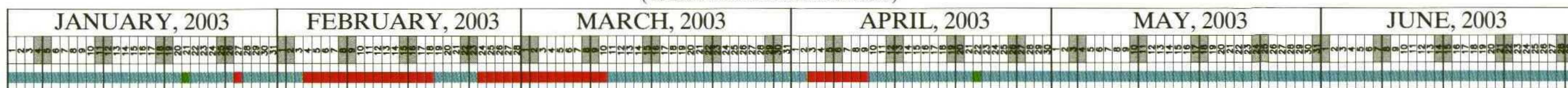
FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(10/14/03)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING

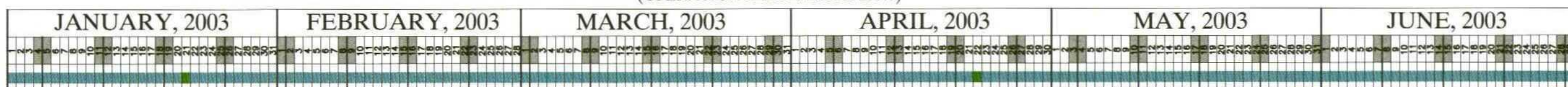
FORMER WASTE WATER LAGOON, UNIT 1

(OPERATION PERCENTAGE 80%)



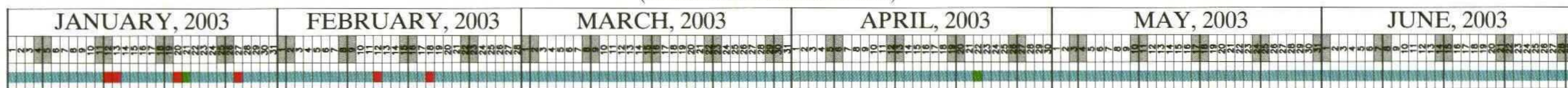
ACID DOCK, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER USTs, UNIT 3

(OPERATION PERCENTAGE 97%)



EXPLANATION

-  UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
-  UNIT IS NOT OPERATING
-  AIR SAMPLES COLLECTED

FIGURE 5
SVE OPERATION TIMELINE
01/01/03 THRU 06/30/03

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

 **WWC**ENGINEERING

FORMER LAGOON, UNIT 1

(OPERATION PERCENTAGE 90%)



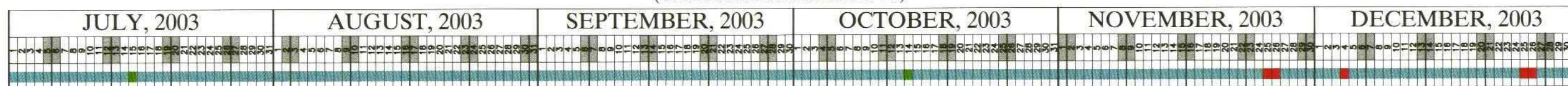
ACID PLANT, UNIT 2

(OPERATION PERCENTAGE 99%)



FORMER UST, UNIT 3

(OPERATION PERCENTAGE 97%)



EXPLANATION



UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS
FOR ROUTINE MAINTENANCE



UNIT IS NOT OPERATING



AIR SAMPLES COLLECTED

FIGURE 6
SVE OPERATION TIMELINE
07/01/03 THRU 12/31/03

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING

TABLES

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
		01/16/01		75.04	3562.22	-1.00
		04/10/01		74.73	3562.53	0.31
		07/17/01		75.65	3561.61	-0.92
		10/16/01		75.57	3561.69	0.08
		01/13/02		76.00	3561.26	-0.43
		04/21/02		76.32	3560.94	-0.32
		07/23/02		76.76	3560.50	-0.44
		10/17/02		77.00	3560.26	-0.24
		01/21/03		77.15	3560.11	-0.15
		04/22/03		77.38	3559.88	-0.23
		07/15/03		77.64	3559.62	-0.26
		10/14/03		77.83	3559.43	-0.19
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
		01/16/01		77.24	3561.04	-0.36
		04/10/01		77.59	3560.69	-0.35
		07/17/01		78.00	3560.28	-0.41
		10/16/01		78.39	3559.89	-0.39

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-3 (Cont.)		01/13/02		78.80	3559.48	-0.41
		04/21/02		79.21	3559.07	-0.41
		07/23/02		79.50	3558.78	-0.29
		10/17/02		79.78	3558.50	-0.28
		01/21/03		79.97	3558.31	-0.19
		04/22/03		80.19	3558.09	-0.22
		07/15/03		80.48	3557.80	-0.29
		10/14/03		80.73	3557.55	-0.25
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11
		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
		01/16/01		76.76	3562.44	-0.24
		04/10/01		77.27	3561.93	-0.51
		07/17/01		77.35	3561.85	-0.08
		10/16/01		77.71	3561.49	-0.36
		01/13/02		78.57	3560.63	-0.86
		04/21/02		78.89	3560.31	-0.32
		07/23/02		79.24	3559.96	-0.35
		10/17/02		79.54	3559.66	-0.30
		01/21/03		79.64	3559.56	-0.10
		04/22/03		79.77	3559.43	-0.13
		07/15/03		79.84	3559.36	-0.07
		10/14/03		80.24	3558.96	-0.40
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
		01/16/01		76.04	3561.66	-0.36
		04/10/01		76.38	3561.32	-0.34
		07/17/01		76.82	3560.88	-0.44
		10/16/01		77.24	3560.46	-0.42
		01/13/02		77.62	3560.08	-0.38
		04/21/02		78.04	3559.66	-0.42
		07/23/02		78.30	3559.40	-0.26
		10/17/02		78.68	3559.02	-0.38
		01/21/03		78.85	3558.85	-0.17
		04/22/03		79.09	3558.61	-0.24
		07/15/03		79.30	3558.40	-0.21
		10/14/03		79.58	3558.12	-0.28

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
		01/16/01		77.00	3560.52	-0.36
		04/10/01		77.34	3560.18	-0.34
		07/17/01		77.77	3559.75	-0.43
		10/16/01		78.16	3559.36	-0.39
		01/13/02		78.56	3558.96	-0.40
		04/21/02		78.90	3558.62	-0.34
		07/23/02		79.23	3558.29	-0.33
		10/17/02		79.49	3558.03	-0.26
		01/21/03		79.69	3557.83	-0.20
		04/22/03		79.93	3557.59	-0.24
		07/15/03		80.18	3557.34	-0.25
		10/14/03		80.47	3557.05	-0.29
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26
		01/25/00		76.23	3562.39	-0.29
		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
		01/16/01		77.55	3561.07	-0.39
		04/10/01		77.88	3560.74	-0.33
		07/17/01		78.29	3560.33	-0.41
		10/16/01		78.68	3559.94	-0.39
		01/13/02		79.12	3559.50	-0.44
		04/21/02		79.48	3559.14	-0.36
		07/23/02		79.79	3558.83	-0.31
		10/17/02		80.08	3558.54	-0.29
		01/21/03		80.26	3558.36	-0.18
		04/22/03		80.49	3558.13	-0.23
		07/15/03		80.69	3557.93	-0.20
		10/14/03		80.96	3557.66	-0.27
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-8 (Cont.)		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.80	3561.91	-0.32
		01/16/01		77.18	3561.53	-0.38
		04/10/01		77.49	3561.22	-0.31
		07/17/01		77.92	3560.79	-0.43
		10/16/01		78.26	3560.45	-0.34
		01/13/02		78.74	3559.97	-0.48
		04/21/02		79.11	3559.60	-0.37
		07/23/02		79.42	3559.29	-0.31
		10/17/02		79.67	3559.04	-0.25
		01/21/03		79.91	3558.80	-0.24
		04/22/03		80.12	3558.59	-0.21
MW-9	3638.76	07/15/03	85	80.32	3558.39	-0.20
		10/14/03		80.57	3558.14	-0.25
		01/22/97		72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
		01/16/01		77.03	3561.73	-0.41
		04/10/01		77.34	3561.42	-0.31
MW-10	3638.86	07/17/01	130.5	77.77	3560.99	-0.43
		10/16/01		78.11	3560.65	-0.34
		01/13/02		78.60	3560.16	-0.49
		04/21/02		78.96	3559.80	-0.36
		07/23/02		79.29	3559.47	-0.33
		10/17/02		79.56	3559.20	-0.27
		01/21/03		79.78	3558.98	-0.22
		04/22/03		79.95	3558.81	-0.17
		07/15/03		80.12	3558.64	-0.17
		10/14/03		80.35	3558.41	-0.23
		05/27/97		73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28
		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34
		01/16/01		77.34	3561.52	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-10 (Cont.)		04/10/01		77.68	3561.18	-0.34
		07/17/01		78.06	3560.80	-0.38
		10/16/01		78.42	3560.44	-0.36
		01/13/02		78.88	3559.98	-0.46
		04/21/02		79.31	3559.55	-0.43
		07/23/02		79.64	3559.22	-0.33
		10/17/02		79.93	3558.93	-0.29
		01/21/03		80.06	3558.80	-0.13
		04/22/03		80.29	3558.57	-0.23
		07/15/03		80.44	3558.42	-0.15
		10/14/03		80.7	3558.16	-0.26
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
		01/16/01		74.88	3563.67	-0.44
		04/10/01		75.25	3563.30	-0.37
		07/17/01		75.74	3562.81	-0.49
		10/16/01		76.14	3562.41	-0.40
		01/13/02		76.50	3562.05	-0.36
		04/21/02		76.88	3561.67	-0.38
		07/23/02		77.22	3561.33	-0.34
		10/17/02		77.48	3561.07	-0.26
		01/21/03		77.71	3560.84	-0.23
		04/22/03		77.88	3560.67	-0.17
		07/15/03		78.05	3560.50	-0.17
		10/14/03		78.28	3560.27	-0.23
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
		01/16/01		72.00	3564.15	-0.54
		04/10/01		72.93	3563.22	-0.93
		07/17/01		72.92	3563.23	0.01
		10/16/01		73.32	3562.83	-0.40
		01/13/02		73.72	3562.43	-0.40
		04/21/02		74.08	3562.07	-0.36
		07/23/02		74.42	3561.73	-0.34
		10/17/02		74.72	3561.43	-0.30
		01/21/03		74.90	3561.25	-0.18
		04/22/03		75.14	3561.01	-0.24
		07/15/03		75.35	3560.80	-0.21
		10/14/03		75.55	3560.60	-0.20

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
		10/20/99		73.88	3561.51	0.29
	3634.76	01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
		01/16/01		75.33	3559.43	-0.38
		04/10/01		75.65	3559.11	-0.32
		07/17/01		76.04	3558.72	-0.39
		10/16/01		76.42	3558.34	-0.38
		01/13/02		76.82	3557.94	-0.40
		04/21/02		77.11	3557.65	-0.29
		07/23/02		77.41	3557.35	-0.30
		10/17/02		77.72	3557.04	-0.31
		01/21/03		77.82	3556.94	-0.10
		04/22/03		78.07	3556.69	-0.25
		07/15/03		78.45	3556.31	-0.38
		10/14/03		78.74	3556.02	-0.29
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17
		07/16/98		75.98	3561.21	-0.37
		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
		01/16/01		78.91	3558.28	-0.40
		04/10/01		79.24	3557.95	-0.33
		07/17/01		79.66	3557.53	-0.42
		10/16/01		80.06	3557.13	-0.40
		01/13/02		80.40	3556.79	-0.34
		04/21/02		80.78	3556.41	-0.38
		07/23/02		81.05	3556.14	-0.27
		10/17/02		81.36	3555.83	-0.31
		01/21/03		81.59	3555.60	-0.23
		04/22/03		81.77	3555.42	-0.18
		07/15/03		82.03	3555.16	-0.26
		10/14/03		82.27	3554.92	-0.24
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-15 (Cont.)		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
		01/16/01		76.27	3560.30	-0.42
		04/10/01		76.58	3559.99	-0.31
		07/17/01		77.01	3559.56	-0.43
		10/16/01		77.44	3559.13	-0.43
		01/13/02		77.87	3558.70	-0.43
		04/21/02		78.18	3558.39	-0.31
		07/23/02		78.53	3558.04	-0.35
		10/17/02		78.72	3557.85	-0.19
		01/21/03		79.00	3557.57	-0.28
		04/22/03		79.16	3557.41	-0.16
		07/15/03		79.36	3557.21	-0.20
	10/14/03		79.60	3556.97	-0.24	
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31
Shell Station		01/16/01		79.83	3557.86	-0.34
		04/10/01		80.14	3557.55	-0.31
		07/17/01		80.53	3557.16	-0.39
		10/16/01		80.85	3556.84	-0.32
		01/13/02		81.27	3556.42	-0.42
		04/21/02		81.61	3556.08	-0.34
		07/23/02		81.63	3556.06	-0.02
		10/17/02		81.69	3556.00	-0.06
		01/21/03		81.71	3555.98	-0.02
		04/22/03		81.77	3555.92	-0.06
		07/15/03		81.56	3556.13	0.21
		10/14/03		79.94	3557.75	1.62

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	0.000	0.000	0.015
	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.008
Abandoned															
MW-2	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.012	0.044	ND(0.002)	0.014	0.000	0.134	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.015	0.044	ND(0.002)	0.024	0.000	0.135	0.353
	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.030	0.247	ND(0.005)	0.049	0.000	0.193	0.648
Duplicate	01/22/97	0.019	0.009	0.014	0.016	0.082	ND(0.005)	0.011	0.011	0.083	ND(0.005)	0.017	0.000	0.058	0.193
	05/23/97	0.009	0.004	0.003	0.005	0.039	ND(0.001)	0.007	0.007	0.057	ND(0.001)	0.014	0.000	0.021	0.117
	06/25/97	0.011	0.005	0.007	0.007	0.050	ND(0.002)	0.009	0.009	0.180	ND(0.002)	0.027	0.000	0.030	0.806
Duplicate	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.004	0.097	ND(0.002)	0.011	0.000	0.007	0.143
	10/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.002	0.023	ND(0.002)	0.012	0.000	0.005	0.049
	01/06/98	0.004	0.002	0.001	0.001	0.023	ND(0.002)	0.002	0.002	0.043	ND(0.002)	0.007	0.000	0.008	0.075
Duplicate	04/16/98	0.010	ND(0.01)	ND(0.01)	ND(0.02)	0.058	ND(0.01)	0.008	0.008	0.130	ND(0.002)	0.058	0.000	0.013	0.249
	07/17/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.001	0.001	0.142	ND(0.01)	0.064	0.000	0.010	0.272
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.003	0.003	0.011	ND(0.002)	0.018	0.000	0.001	0.054
Duplicate	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.035	0.000	0.002	0.052
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.016	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.034	0.000	0.000	0.060
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.037	ND(0.001)	0.005	0.005	0.007	0.001	0.094	0.000	0.000	0.057
Duplicate	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	0.002	0.007	ND(0.001)	0.021	0.000	0.000	0.144
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	0.001	0.001	0.007	ND(0.001)	0.023	0.000	0.000	0.034
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.004	ND(0.001)	0.001	0.001	0.007	ND(0.001)	0.005	0.000	0.000	0.032
Duplicate	10/16/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	0.008
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.004
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002
Duplicate	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	0.000	0.000
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.000
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	ND(0.001)	0.000	0.000
Duplicate	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	ND(0.001)	0.000	0.000
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.000
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.002
Duplicate	01/17/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002
	04/22/03	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.001	0.000
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.009	0.001
MW-3	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.001
	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.007	0.007	ND(0.002)	0.012	0.000	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.007	0.028	ND(0.002)	0.019	0.000	0.000	0.071
Duplicate	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.027	ND(0.002)	0.010	0.010	0.014	ND(0.002)	0.016	0.000	0.000	0.067
	05/22/97	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.026	0.001	0.015	0.015	0.015	ND(0.001)	0.016	0.000	0.002	0.073
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.033	0.002	0.012	0.012	0.008	ND(0.002)	0.012	0.000	0.003	0.067
Duplicate	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.008	0.011	ND(0.002)	0.022	0.000	0.001	0.063

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-3 (Cont.)	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.023	ND(0.001)	0.031	ND(0.002)	0.026	ND(0.001)	0.000	0.103
	04/16/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.030	ND(0.002)	0.014	ND(0.002)	0.012	0.003	0.025	ND(0.001)	0.000	0.084
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.034	ND(0.002)	0.015	ND(0.002)	0.013	0.003	0.026	ND(0.001)	0.002	0.091
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.035	ND(0.002)	0.012	ND(0.002)	0.005	0.002	0.016	ND(0.001)	0.000	0.070
	10/20/99	0.002	ND(0.001)	0.002	ND(0.002)	0.025	ND(0.001)	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.004	0.068
	10/16/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.026	ND(0.001)	0.020	ND(0.001)	0.014	ND(0.001)	0.017	ND(0.001)	0.003	0.077
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.022	ND(0.001)	0.013	ND(0.001)	0.005	ND(0.001)	0.010	ND(0.001)	0.000	0.052
	10/17/02	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.007	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.002	0.014
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.016	0.001	0.005	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	0.000	0.026
	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	0.051	0.498	ND(0.005)	1.040	0.005	2.590	0.000	0.000	4.294
MW-4	11/21/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.110	ND(0.05)	0.623	ND(0.05)	0.941	ND(0.05)	3.526	0.000	0.000	5.200
	11/21/96	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.106	0.042	0.694	ND(0.02)	1.080	ND(0.02)	3.980	0.000	0.000	5.902
	01/22/97	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.089	0.037	0.509	ND(0.05)	0.557	ND(0.05)	3.100	0.000	0.000	4.292
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.062	0.022	0.423	ND(0.01)	0.550	ND(0.01)	1.720	0.000	0.000	2.777
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.047	0.017	0.175	ND(0.02)	0.349	ND(0.02)	1.250	0.000	0.000	1.838
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.044	0.017	0.167	ND(0.02)	0.332	ND(0.02)	1.190	0.000	0.000	1.750
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.037	0.015	0.124	ND(0.02)	0.267	ND(0.02)	1.060	0.000	0.000	1.503
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.031	0.011	0.103	ND(0.02)	0.332	ND(0.02)	1.170	0.000	0.000	1.540
	01/06/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.087	ND(0.02)	0.148	ND(0.02)	0.970	0.000	0.000	1.226
	01/06/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	0.006	0.077	ND(0.01)	0.138	ND(0.01)	0.907	0.000	0.000	1.149
Duplicate	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.079	ND(0.05)	0.116	ND(0.05)	0.114	ND(0.05)	0.651	0.000	0.000	0.900
	07/17/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.206	ND(0.01)	0.194	ND(0.01)	1.120	0.000	0.000	1.551
	07/17/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.031	ND(0.02)	0.240	ND(0.02)	0.216	ND(0.02)	0.843	0.000	0.000	1.330
	10/27/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.031	ND(0.05)	0.201	ND(0.05)	0.209	ND(0.05)	1.080	0.000	0.000	1.521
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.019	ND(0.01)	0.118	ND(0.01)	0.090	ND(0.01)	0.511	0.000	0.000	0.738
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.151	ND(0.01)	0.166	ND(0.01)	0.875	0.000	0.000	1.223
	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.014	ND(0.01)	0.081	ND(0.01)	0.058	ND(0.01)	0.386	0.000	0.000	0.539
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.004	0.084	ND(0.001)	0.055	ND(0.001)	0.350	0.000	0.000	0.508
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.059	0.027	0.149	ND(0.01)	0.155	ND(0.01)	0.977	0.000	0.000	1.367
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.044	ND(0.01)	0.030	ND(0.01)	0.249	0.000	0.000	0.336
Duplicate	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.015	ND(0.01)	0.054	ND(0.01)	0.036	ND(0.01)	0.282	0.000	0.000	0.387
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.013	ND(0.0025)	0.038	ND(0.0025)	0.021	ND(0.0025)	0.252	0.000	0.000	0.324
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.011	0.005	0.028	ND(0.0025)	0.021	ND(0.0025)	0.170	0.000	0.000	0.235
	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.016	0.007	0.041	ND(0.005)	0.025	ND(0.005)	0.140	0.000	0.000	0.229
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.011	0.005	0.021	ND(0.0025)	0.013	ND(0.0025)	0.107	ND(0.0025)	0.000	0.157
	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.005	ND(0.0025)	0.008	ND(0.0025)	0.004	ND(0.0025)	0.053	ND(0.0025)	0.000	0.070
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.008	ND(0.001)	0.004	ND(0.001)	0.049	ND(0.001)	0.000	0.066
	04/10/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.007	ND(0.0025)	0.010	ND(0.0025)	0.004	ND(0.0025)	0.047	ND(0.0025)	0.000	0.068
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.041	ND(0.005)	0.000	0.055
	10/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.014	0.005	0.013	ND(0.0025)	0.011	ND(0.0025)	0.085	ND(0.0025)	0.000	0.128
Duplicate	01/13/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.009	ND(0.0025)	0.009	ND(0.0025)	0.005	ND(0.0025)	0.050	ND(0.0025)	0.000	0.073
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.006	ND(0.001)	0.003	ND(0.001)	0.028	ND(0.001)	0.000	0.043
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.021	ND(0.001)	0.000	0.031
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.004	ND(0.001)	0.002	ND(0.001)	0.024	ND(0.001)	0.000	0.035
	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.000	0.019
	04/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.073	0.017
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.000	0.020
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.000	0.020
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.000	0.018
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.000	0.018

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-5	01/23/97	0.018	0.004	ND(0.001)	0.001	0.180	0.002	0.020	0.036	0.001	0.001	0.012		0.023	0.251
	Duplicate	0.018	0.004	ND(0.001)	0.001	0.190	0.002	0.018	0.034	0.001	0.001	0.009		0.023	0.254
Duplicate	05/23/97	0.029	ND(0.002)	ND(0.002)	ND(0.004)	0.191	0.003	0.055	0.059	0.002	0.002	0.079		0.029	0.389
	07/28/97	0.051	0.023	ND(0.002)	0.007	0.241	0.004	0.072	0.051	0.002	0.002	0.058		0.081	0.428
Duplicate	07/28/97	0.052	0.023	ND(0.005)	0.007	0.258	0.004	0.069	0.050	ND(0.005)	ND(0.005)	0.052		0.082	0.433
	10/16/97	0.059	0.027	ND(0.01)	0.008	0.214	0.004	0.066	0.039	ND(0.01)	ND(0.01)	0.070		0.094	0.393
Duplicate	01/06/98	0.048	0.016	ND(0.005)	ND(0.01)	0.215	0.004	0.060	0.029	ND(0.01)	ND(0.01)	0.055		0.070	0.363
	04/16/98	0.034	0.011	ND(0.005)	ND(0.01)	0.136	0.002	0.033	0.008	ND(0.005)	ND(0.005)	0.031		0.045	0.210
Duplicate	07/17/98	0.025	0.007	ND(0.002)	0.001	0.106	0.002	0.023	0.007	0.002	0.002	0.029		0.033	0.169
	10/27/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.080	ND(0.01)	0.042	0.016	ND(0.01)	ND(0.01)	0.033		0.000	0.171
Duplicate	10/27/98	0.011	0.002	ND(0.002)	ND(0.004)	0.053	ND(0.002)	0.011	0.002	ND(0.002)	ND(0.002)	0.011		0.013	0.077
	10/20/99	0.027	0.009	ND(0.0025)	ND(0.005)	0.113	ND(0.0025)	0.022	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.005		0.036	0.140
Duplicate	10/16/00	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		0.002	0.011
	10/16/01	0.006	0.001	ND(0.001)	ND(0.001)	0.028	ND(0.001)	0.006	0.005	ND(0.001)	ND(0.001)	ND(0.001)		0.007	0.039
Duplicate	10/17/02	0.017	0.003	ND(0.001)	ND(0.001)	0.074	0.001	0.020	0.016	ND(0.001)	ND(0.001)	0.010		0.020	0.128
	10/14/03	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.071	0.002	0.010	0.002	ND(0.001)	0.005	0.028		0.004	0.118
MW-6	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.041	0.001	0.004	0.004	ND(0.001)	ND(0.001)	0.003		0.001	0.053
	05/22/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.085	0.002	0.034	0.017	0.002	0.002	0.023		0.004	0.163
Duplicate	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.081	0.002	0.027	0.008	0.002	0.002	0.021		0.003	0.141
	10/16/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.082	0.002	0.025	0.006	0.002	0.002	0.019		0.003	0.136
Duplicate	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.113	0.003	0.038	0.012	0.002	0.002	0.024		0.003	0.192
	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.088	0.003	0.027	0.008	0.002	0.002	0.017		0.002	0.145
Duplicate	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.091	0.004	0.051	0.022	0.002	0.002	0.032		0.002	0.202
	10/26/98	0.011	0.002	ND(0.01)	ND(0.02)	0.055	ND(0.01)	0.011	ND(0.01)	ND(0.01)	ND(0.01)	0.011		0.003	0.077
Duplicate	02/10/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.113	0.005	0.056	0.016	0.003	0.003	0.039		0.003	0.232
	04/21/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.133	0.006	0.061	0.023	0.003	0.003	0.047		0.003	0.273
Duplicate	07/13/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.108	0.004	0.068	0.021	ND(0.0025)	ND(0.0025)	0.062		0.003	0.263
	10/20/99	ND(0.0025)	ND(0.0025)	0.002	ND(0.005)	0.066	0.003	0.058	0.032	ND(0.0025)	ND(0.0025)	0.046		0.002	0.205
Duplicate	01/25/00	0.002	ND(0.0025)	ND(0.0025)	ND(0.005)	0.093	0.003	0.049	0.015	ND(0.0025)	ND(0.0025)	0.048		0.002	0.208
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.082	ND(0.0025)	0.036	0.009	ND(0.0025)	ND(0.0025)	0.033		0.000	0.160
Duplicate	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.057	ND(0.0025)	0.028	0.010	ND(0.0025)	ND(0.0025)	0.027		0.000	0.122
	10/16/00	0.002	ND(0.001)	0.002	ND(0.001)	0.024	0.003	0.015	0.014	ND(0.001)	ND(0.001)	0.030		0.004	0.090
Duplicate	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.061	0.005	0.035	0.004	ND(0.001)	ND(0.001)	0.027		0.004	0.145
	04/10/01	0.003	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.063	ND(0.0025)	0.035	0.004	0.013	ND(0.0025)	0.033		0.000	0.146
Duplicate	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.0025)	0.033	0.006	ND(0.0025)	ND(0.0025)	0.026		0.003	0.140
	10/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.002)	0.063	ND(0.005)	0.030	0.008	ND(0.005)	ND(0.005)	0.028		0.000	0.122
Duplicate	01/13/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.062	ND(0.0025)	0.039	0.003	ND(0.002)	ND(0.002)	0.036		0.000	0.110
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.060	ND(0.0025)	0.030	0.005	ND(0.0025)	ND(0.0025)	0.026		0.000	0.151
Duplicate	07/23/02	0.001	ND(0.001)	0.001	ND(0.001)	0.062	0.004	0.032	0.007	ND(0.001)	ND(0.001)	0.034		0.002	0.143
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.056	0.002	0.024	0.005	ND(0.001)	ND(0.001)	0.026		0.000	0.119
Duplicate	01/21/03	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.041	0.003	0.016	0.003	ND(0.001)	ND(0.001)	0.023		0.005	0.093
	04/22/03	0.001	ND(0.001)	0.006	ND(0.001)	0.077	0.003	0.026	0.006	0.002	0.002	0.034		0.007	0.153
Duplicate	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.063	0.003	0.021	0.006	ND(0.001)	ND(0.001)	0.029		0.000	0.124
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.063	0.004	0.018	0.006	0.001	0.001	0.032		0.000	0.127

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-7	01/23/97	0.001	ND(0.001)	ND(0.001)	0.001	0.047	0.001	0.009	ND(0.001)	ND(0.001)	0.004	0.014	0.000	0.002	0.076
	05/22/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.087	0.002	0.066	0.002	0.002	0.014	0.116	0.000	0.003	0.287
	07/28/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.073	0.002	0.061	ND(0.002)	ND(0.002)	0.011	0.110	0.000	0.004	0.267
	10/16/97	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.050	ND(0.005)	ND(0.005)	0.018	0.091	0.000	0.003	0.224
	01/06/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.076	ND(0.005)	0.054	ND(0.005)	ND(0.005)	0.018	0.111	0.000	0.003	0.259
	04/16/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.035	ND(0.005)	ND(0.005)	0.020	0.078	0.000	0.003	0.188
	07/17/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.038	ND(0.005)	ND(0.005)	0.024	0.073	0.000	0.003	0.200
	10/26/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	0.047	ND(0.005)	0.030	ND(0.005)	ND(0.005)	0.019	0.073	0.000	0.000	0.169
	02/10/99	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.050	ND(0.001)	0.032	0.002	0.002	0.014	0.066	0.000	0.002	0.164
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.047	ND(0.001)	0.029	ND(0.001)	ND(0.001)	0.007	0.066	0.000	0.000	0.134
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.034	ND(0.001)	0.035	ND(0.001)	ND(0.001)	0.006	0.081	0.000	0.002	0.168
	10/20/99	ND(0.001)	ND(0.001)	0.002	ND(0.002)	0.046	ND(0.001)	0.020	ND(0.002)	ND(0.002)	0.003	0.061	0.000	0.000	0.109
	01/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.022	ND(0.0025)	0.020	ND(0.0025)	ND(0.0025)	0.003	0.069	0.000	0.000	0.114
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.030	ND(0.0025)	0.026	ND(0.0025)	ND(0.0025)	0.003	0.081	0.000	0.000	0.140
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.036	ND(0.0025)	0.030	ND(0.0025)	ND(0.0025)	0.003	0.090	ND(0.0025)	0.000	0.159
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.030	ND(0.0025)	0.021	ND(0.0025)	ND(0.0025)	0.003	0.086	ND(0.0025)	0.000	0.140
Duplicate	04/10/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.035	ND(0.0025)	0.020	ND(0.0025)	ND(0.0025)	0.004	0.066	ND(0.0025)	0.000	0.125
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.052	ND(0.005)	0.000	0.113
	10/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.047	ND(0.0025)	0.019	ND(0.0025)	ND(0.0025)	0.006	0.064	ND(0.0025)	0.000	0.136
	01/13/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.036	ND(0.0025)	0.013	ND(0.0025)	ND(0.0025)	0.004	0.042	ND(0.0025)	0.000	0.095
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.014	0.001	ND(0.001)	0.003	0.034	ND(0.001)	0.000	0.079
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.025	ND(0.001)	0.013	ND(0.001)	ND(0.001)	0.003	0.032	ND(0.001)	0.000	0.073
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.022	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.002	0.025	ND(0.001)	0.000	0.058
	01/21/03	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.020	ND(0.001)	0.006	ND(0.001)	ND(0.001)	0.001	0.019	ND(0.001)	0.000	0.047
	04/22/03	ND(0.001)	ND(0.001)	0.025	ND(0.001)	0.007	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.025	0.030
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.007	ND(0.001)	0.000	0.017
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.024	ND(0.001)	0.008	ND(0.001)	ND(0.001)	0.002	0.019	ND(0.001)	0.000	0.020
															0.053
															1.523
															6.397
															5.426
MW-8	01/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.068	0.005	0.280	ND(0.01)	0.460	ND(0.01)	0.810	0.000	0.000	6.438
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.082	ND(0.01)	1.360	ND(0.01)	0.805	ND(0.01)	4.150	0.000	0.000	6.024
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.077	ND(0.02)	0.975	ND(0.02)	0.774	ND(0.02)	3.600	0.000	0.000	6.678
	07/28/97	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	ND(0.1)	1.120	ND(0.1)	0.798	ND(0.1)	4.520	0.000	0.000	6.328
	01/06/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	0.858	ND(0.2)	0.596	ND(0.2)	4.570	0.000	0.000	7.030
	04/16/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.230	ND(0.2)	0.798	ND(0.2)	4.650	0.000	0.000	5.522
	07/17/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.050	ND(0.2)	0.658	ND(0.2)	4.620	0.000	0.000	5.458
	10/27/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.200	ND(0.2)	0.740	ND(0.2)	5.090	0.000	0.000	5.388
	02/10/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.083	ND(0.025)	0.936	ND(0.025)	0.522	ND(0.2)	3.870	0.000	0.000	4.003
	04/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.080	ND(0.025)	0.808	ND(0.025)	0.569	ND(0.025)	3.610	0.000	0.000	4.302
	07/13/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.058	ND(0.025)	0.634	ND(0.025)	0.341	ND(0.025)	2.970	0.000	0.000	3.104
	10/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.081	ND(0.025)	0.857	ND(0.025)	0.447	ND(0.025)	3.190	0.000	0.000	2.800
	01/25/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.076	ND(0.025)	0.687	ND(0.025)	0.349	ND(0.025)	2.420	0.000	0.000	3.500
	04/18/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.412	ND(0.01)	0.219	ND(0.01)	2.140	0.000	0.000	6.728
	07/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.03)	ND(0.01)	ND(0.01)	0.422	ND(0.01)	0.238	ND(0.01)	2.500	0.000	0.000	4.299
	10/16/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.01)	ND(0.01)	0.700	ND(0.01)	0.300	ND(0.01)	5.780	ND(0.01)	0.000	
	01/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.085	ND(0.01)	0.546	ND(0.01)	0.317	ND(0.01)	3.340	ND(0.01)	0.000	
						0.094	ND(0.01)	0.512	ND(0.01)	0.353	ND(0.01)				

STL Duplicate

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-8 (Cont.) Duplicate	04/10/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.063	ND(0.01)	0.401	ND(0.01)	0.258	ND(0.01)	6.150	ND(0.01)	0.000	6.892
	07/17/01	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.076	ND(0.02)	0.350	ND(0.02)	0.240	ND(0.02)	2.500	ND(0.02)	0.000	3.266
	10/16/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.048	0.017	0.200	ND(0.01)	0.120	ND(0.01)	1.700	ND(0.01)	0.000	2.085
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.045	0.017	0.210	ND(0.001)	0.120	0.003	1.800	ND(0.001)	0.000	2.195
	01/13/02	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.029	0.011	0.100	ND(0.005)	0.060	ND(0.005)	0.990	ND(0.005)	0.000	1.190
	04/21/02	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.032	0.013	0.110	ND(0.002)	0.059	ND(0.002)	0.420	ND(0.002)	0.000	0.634
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.003	0.018	ND(0.001)	0.010	ND(0.001)	0.160	ND(0.001)	0.000	0.198
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.003	0.014	ND(0.001)	0.010	ND(0.001)	0.150	ND(0.001)	0.000	0.183
	01/21/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.005	ND(0.001)	0.003	ND(0.001)	0.048	ND(0.001)	0.000	0.059
	04/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.003	ND(0.001)	0.002	ND(0.001)	0.029	ND(0.001)	0.004	0.037
MW-9	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.004	ND(0.001)	0.002	ND(0.001)	0.029	ND(0.001)	0.000	0.039
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	0.001	0.005	ND(0.001)	0.003	ND(0.001)	0.030	ND(0.001)	0.000	0.044
	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063	ND(0.001)	0.045	ND(0.001)	0.090	ND(0.001)	0.000	0.209
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.322	ND(0.01)	0.147	ND(0.01)	1.550	ND(0.01)	0.000	2.045
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.02)	0.326	ND(0.02)	ND(0.02)	ND(0.02)	1.130	ND(0.02)	0.000	1.489
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.278	ND(0.02)	0.121	ND(0.02)	1.020	ND(0.02)	0.000	1.440
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.02)	0.278	ND(0.02)	0.104	ND(0.02)	1.160	ND(0.02)	0.000	1.561
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.023	ND(0.02)	0.321	ND(0.02)	0.141	ND(0.02)	1.160	ND(0.02)	0.000	1.645
	01/06/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.033	ND(0.1)	0.502	ND(0.1)	0.174	ND(0.1)	1.350	ND(0.1)	0.000	2.059
	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)	0.029	ND(0.05)	0.444	ND(0.05)	0.144	ND(0.05)	1.290	ND(0.05)	0.000	1.907
Duplicate	07/17/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.042	ND(0.1)	0.690	ND(0.1)	0.242	ND(0.1)	1.770	ND(0.1)	0.000	2.744
	10/27/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.030	ND(0.1)	0.507	ND(0.1)	0.193	ND(0.1)	1.740	ND(0.1)	0.000	2.470
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.487	ND(0.01)	0.159	ND(0.01)	1.400	ND(0.01)	0.000	2.077
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.368	ND(0.01)	0.161	ND(0.01)	1.320	ND(0.01)	0.000	1.875
	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.01)	0.353	ND(0.01)	0.110	ND(0.01)	1.100	ND(0.01)	0.000	1.584
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.018	ND(0.01)	0.261	ND(0.01)	0.085	ND(0.01)	1.090	ND(0.01)	0.000	1.454
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.145	ND(0.01)	0.048	ND(0.01)	0.556	ND(0.01)	0.000	0.762
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.006	ND(0.0025)	0.046	ND(0.0025)	0.015	ND(0.0025)	0.235	ND(0.0025)	0.000	0.302
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	ND(0.0025)	ND(0.0025)	0.012	ND(0.0025)	0.006	ND(0.0025)	0.228	ND(0.0025)	0.000	0.246
	10/16/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.001	0.036
Duplicate	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.022	ND(0.001)	0.000	0.028
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	ND(0.002)	0.000	0.022
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.011	ND(0.001)	0.000	0.014
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.012	ND(0.001)	0.000	0.016
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.018	ND(0.001)	0.000	0.025
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.021	ND(0.001)	0.000	0.028
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.017
	01/21/03	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.031	ND(0.001)	0.002	0.031
	04/22/03	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.002	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.020	ND(0.001)	0.011	0.028
Duplicate	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.016	ND(0.001)	0.000	0.022
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.016	ND(0.001)	0.000	0.022
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.019
	05/26/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.007	ND(0.002)	ND(0.002)	0.001	0.026	ND(0.002)	0.004	0.038
MW-10 Duplicate	05/26/97	0.007	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	ND(0.002)	0.001	0.028	ND(0.002)	0.007	0.037
	07/28/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.009	ND(0.002)	0.002	ND(0.002)	0.014	ND(0.002)	0.002	0.028
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.001	0.010
	01/06/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.001	0.010
	04/16/98	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)	0.002	ND(0.002)	0.002	0.002

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-10 (Cont.) Duplicate	07/17/98	0.003	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.002
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.000
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-11	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.005
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	05/24/97	0.002	ND(0.001)	ND(0.001)	0.001	0.001	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	0.010
	07/28/97	0.003	0.001	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.010	0.000
Duplicate	10/16/97	0.002	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.000
	01/06/98	0.002	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.005	0.000
	04/16/98	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	0.000
	07/17/98	0.002	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
	10/26/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.000
MW-12	10/18/99	0.001	0.001	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000
	10/16/00	0.001	0.001	0.010	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000
	10/16/01	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	0.000
	10/17/02	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000
	10/14/03	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.000
Duplicate	05/25/97	ND(0.001)	0.006	0.005	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.014	0.001
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.000
MW-13	07/17/98	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.005
	10/16/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	0.003
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	05/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.010	ND(0.001)	0.000	0.023
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.009	ND(0.001)	0.000	0.022
Duplicate	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.016	ND(0.001)	0.001	ND(0.001)	0.013	ND(0.001)	0.000	0.025
	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.011	ND(0.002)	0.007	ND(0.002)	0.013	ND(0.002)	0.000	0.025
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017	ND(0.002)	0.002	ND(0.002)	0.011	ND(0.002)	0.000	0.030
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017	ND(0.002)	0.002	ND(0.002)	0.011	ND(0.002)	0.000	0.030
	07/17/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.016	ND(0.002)	0.003	ND(0.002)	0.010	ND(0.002)	0.000	0.025
Duplicate	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	ND(0.002)	0.002	ND(0.002)	0.016	ND(0.002)	0.000	0.037
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.016	ND(0.001)	0.002	ND(0.001)	0.014	ND(0.001)	0.000	0.033
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017	ND(0.001)	0.002	ND(0.001)	0.018	ND(0.001)	0.000	0.037
	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.012	ND(0.001)	0.000	0.025

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-13 (Cont.)	10/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.002	ND(0.001)	0.015	ND(0.001)	0.000	0.035
	01/26/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.022	ND(0.001)	0.002	ND(0.001)	0.021	ND(0.001)	0.000	0.047
Duplicate	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.025	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.000	0.055
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.002	ND(0.001)	0.023	ND(0.001)	0.002	ND(0.001)	0.026	ND(0.001)	0.000	0.052
	10/16/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.002	ND(0.001)	0.019	ND(0.001)	0.000	0.050
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.024	ND(0.001)	0.002	ND(0.001)	0.055	ND(0.001)	0.001	0.083
Duplicate	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.019	ND(0.001)	0.002	ND(0.001)	0.020	ND(0.001)	0.000	0.042
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.014	ND(0.001)	0.001	ND(0.001)	0.015	ND(0.001)	0.000	0.031
	10/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.015	ND(0.001)	0.001	ND(0.001)	0.016	ND(0.001)	0.000	0.032
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.002)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.000	0.013
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.000	0.023
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.000	0.023
Duplicate	01/21/03	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.000	0.024
	01/21/03	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	0.015	ND(0.001)	0.001	ND(0.001)	0.020	ND(0.001)	0.001	0.037
	04/22/03	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.002	ND(0.001)	0.018	ND(0.001)	0.001	ND(0.001)	0.021	ND(0.001)	0.003	0.041
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.018	ND(0.001)	0.001	ND(0.001)	0.020	ND(0.001)	0.000	0.041
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.021	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.000	0.052
MW-14	05/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/26/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	02/10/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	<0.001	ND(0.001)	0.000	0.000
Duplicate	04/21/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
STL Duplicate	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	10/16/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.003
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.005
	07/23/02	ND(0.001)	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.006	0.005
	10/17/02	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.019	0.006
	01/21/03	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.020	0.005
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.004
	10/14/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.005

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
SO4	01/13/02	0.003	0.007	ND(0.0025)	ND(0.0025)	0.055	ND(0.0025)	0.040	0.010	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.010	0.105
(Cont.)	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.018	0.007	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.052
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.015	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.041
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.005	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.014
	01/21/03	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.002
	04/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/14/03	ND(0.0025)	0.003	0.003	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.006	0.000

Notes:

Only commonly detected compounds are listed. Other compounds that have been detected infrequently are included in the laboratory reports.

ND - Not Detected at detection limit shown in parentheses.

Italicized value - is below the method detection limit.

< - analyte detected above the method detection limit but table is reported only to 1 part per billion

*SO4 = Shell Service Station monitoring well MW-4

1,1-DCA - 1,1-Dichloroethane

1,2-DCA - 1,2-Dichloroethane

1,1-DCE - 1,1-Dichloroethene

PCE - Tetrachloroethane

TCA - 1,1,1-Trichloroethane

TCE - Trichloroethene

STL - Duplicate samples sent to STL, Corpus Christi, Texas

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER LAGOON																
Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene		Total Xylene (mg/m3)	Vinyl Chloride					Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
					mg/m3	mg/m3		1,1-DCB (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	mg/m3				
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35	29.80	0.487			20.7			36.5			
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	111.2	46.2	48.3	ND(0.2)	450	ND(0.2)	1.23	135	425.8	680.73	
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.83	0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	ND(0.2)	216.6	ND(0.2)	1.3	19	136.1	296	
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	35.7	ND(0.2)	3.7		1.9	57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	ND(0.2)	283	ND(0.2)	2.73	111.8	245.2	489.03	
Unit 1 Output 9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	ND(0.2)	6		13.4	21.4
Unit 1 Output 9/95-2		Exhaust	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.3	0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01	0	15.3
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	214.6	257.1	5.8
93007-WatPinInput	04/11/96	Input	ND(0.2)	114	19.1	81.5	9.7	11.4	ND(0.2)	116	ND(0.2)	1.2	ND(0.2)	0.5	1	
93007-WatPDCxn 4/96		Exhaust	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	ND(0.2)	0.7	ND(0.3)	0.6		3.7
93007-WP-INPUT 7/96	07/23/96	Input	2.8	49.5	2.6	11.2	6.9	6.1	ND(0.5)	64.6	ND(0.5)	0.4	17.9	66.1	95.9	
93007-WPEX-HST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	ND(0.2)	1.02	51.9	135.27	132.22	6.822
WP-INPUT-10/96	10/24/96	Input	2.07	44	12.1	77.1	4.9	ND(0.2)	ND(0.2)	74.4	ND(0.2)	2.97	ND(0.2)	0.832		
WP-OUTPUT-10/96		Exhaust	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	3.02	ND(0.2)	2.97	ND(0.2)	0.832		1.02	
93007-WP-10/98	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	ND(5.0)	66.3	230.3	159.7	
93007-WP-10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	ND(5.0)	81	277.6	220.45	
93007-WP 1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	ND(2.0)	68.4	189.42	206.8	
93007-WP 4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	ND(5.0)	117	219.8	364.8	
93007-WP 7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	ND(0.10)	105	202.3	280	
93007-WP 10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	ND(2.5)	50.5	167.28	132.95	
93007-WP 11/98	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	ND(10.0)	121	364.5	193.7	
93007-WP 2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	ND(2.5)	87.3	385.95	131.2	
93007-WP 4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	ND(2.5)	51.6	172.7	79.7	
93007-WP 7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	ND(2.5)	40	136.1	54.5	
93007-WP 10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	ND(2.5)	34.9	101.9	44.25	
93007-WP 1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	ND(2.5)	34.6	91.6	41.5	
93007-WP 4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	ND(5.0)	26.2	62.65	31.2	
93007-WP 7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	ND(2.5)	18.1	34.65	21.35	
93007-WP 10/00	10/18/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	ND(2.5)	22	82.35	24.85	
93007-WP 1/01	01/16/01	Input	ND(1.0)	6.08	5.94	36.7	ND(1.0)	ND(1.0)	ND(1.0)	2.36	ND(1.0)	ND(1.0)	31.33	50.72	33.69	
93007-WP 4/01	04/10/01	Input	ND(5.0)	63.5	51.1	278	ND(5.0)	ND(5.0)	ND(5.0)	21.9	ND(5.0)	ND(5.0)	215	392.6	236.9	
93007-WP 7/01	07/17/01	Input	ND(2.0)	2.9	2.8	15.5	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	14	21.2	14	
93007-WP 10/01	10/16/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	7.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	7.6	22	
93007-WP 01/02	01/14/02	Input	ND(1.5)	ND(1.5)	1.8	9.8	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	10	11.6	10	
93007-WP 04/02	04/22/02	Input	ND(1.2)	1.3	1.9	9.8	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	11	13	11	
93007-WP 07/02	07/23/02	Input	ND(1.0)	ND(1.0)	1.9	11.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.2	13.4	9.2	
93007-WP 10/02	10/17/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	6.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6	6.6	11.2	
93007-WP 01/03	01/21/03	Input	ND(1.0)	ND(1.0)	1.5	9.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.7	10.7	18.4	
93007-WP 04/03	04/22/03	Input	ND(1.0)	ND(1.0)	1.4	9.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.5	10.6	17.1	
93007-WP 07/03	07/15/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0	0	
93007-WP 10/03	10/14/03	Input	ND(1.0)	ND(1.0)	1.2	8.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.6	9.9	15.5	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

ACID PLANT

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m ³)	Toluene (mg/m ³)	Ethyl-Benzene (mg/m ³)	Total Xylene (mg/m ³)	1,1-DOE (mg/m ³)	1,1-DCA (mg/m ³)	Chloromethane (mg/m ³)	1,1,1-TCA (mg/m ³)	Vinyl Chloride (mg/m ³)	TCE (mg/m ³)	POE (mg/m ³)	Input BTEX (mg/m ³)	Output BTEX (mg/m ³)	Input Halocarbons (mg/m ³)	Output Halocarbons (mg/m ³)
007-AREA 2	11/02/94	Pilot	4.5	23.2	11.4	46.18	4.4	12.2		88.5	ND(0.2)	ND(0.2)	30.5	89.41			
Unit 2 (7/95) Input	07/13/95	Input	3.13	27.2	12.9	46.18	1.52	1.53	ND(0.2)	3.39	ND(0.2)	ND(0.2)	6.91	89.41		13.35	
Unit 2 (7/95) Exhaust		Exhaust	ND(0.2)	0.26	ND(0.2)	1.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.76		0
Unit 2 (8/95) Input	08/12/95	Input	1.42	24.8	10.4	48.5	5.1	1.6	ND(0.2)	7	ND(0.2)	ND(0.2)	8.9	85.12		22.6	
Unit 2 (8/95) Exhaust		Exhaust	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.5		0
Unit 2 Output 9/95	09/07/95	Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ACDKINPT 4/96	04/11/96	Input	0.7	17.7	5.6	30.3	1.9	0.6	ND(0.2)	5.5	ND(0.2)	0.3	19	54.3		27.3	
93007-ACDKEXH 4/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ADINPT 7/96	07/23/96	Input	ND(0.3)	1	ND(0.3)	1.1	0.8	ND(0.3)	ND(0.5)	0.9	ND(0.5)	ND(0.3)	1.6	2.1		3.3	
93007-ADEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.3)		0		0
AD-INPUT-10/96	10/24/96	Input	0.61	4.51	0.88	5.62	1.63	0.55	ND(0.2)	1.48	ND(0.2)	ND(0.2)	3.33	11.62		7.05	
AD-OUTPUT-10/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	0.477	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0.477
93007-AD-INP-1/97	01/21/97	Input	ND(1.0)	5.67	ND(1.0)	2.38	ND(1.0)	ND(1.0)	ND(1.0)	1.34	ND(1.0)	ND(1.0)	8.86	8.05		10.2	
93007-AD-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		0		0
93007-AD-INP-5/97	05/13/97	Input	ND(1.0)	4.06	ND(1.0)	3.88	2.19	ND(1.0)	ND(1.0)	2.09	ND(1.0)	ND(1.0)	10.3	7.94		14.58	
93007-AD-10/97	10/14/97	Input	ND(1.0)	1.31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.74	1.31		1.74	
93007-AD-1/98	01/06/98	Input	ND(1.0)	6.4	2.46	16.36	ND(1.0)	ND(1.0)	ND(1.0)	3.98	ND(1.0)	ND(1.0)	7.29	25.22		11.27	
93007-AD 4/98	04/28/98	Input	ND(1.0)	2.08	ND(1.0)	0.75J	ND(1.0)	ND(1.0)	ND(1.0)	0.56J	ND(1.0)	ND(1.0)	1.4	0		1.4	
93007-AD 7/98	07/16/98	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.69J	ND(1.0)	ND(1.0)	2.26	2.08		2.26	
93007-AD 11/98	11/12/98	Input	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)	0.77J	0		0	
93007-AD 2/99	02/10/99	Input	ND(0.5)	2.38	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.63	2.38		0.63	
93007-AD 4/99	04/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 7/99	07/12/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 10/99	10/21/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/00	01/25/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 4/00	04/17/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 7/00	07/25/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 10/00	10/16/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/01	01/16/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 4/01	04/10/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0		0	
93007-AD 7/01	04/17/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0		0	
93007-AD 10/01	10/16/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 01/02	01/14/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 04/02	04/22/02	Input	Sample damaged during shipment.														
93007-AD 07/02	07/23/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 10/02	10/17/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 01/03	01/21/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 07/03	07/15/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 10/03	10/14/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER UST														
Sample I.D.	Date Sampled	Sample Location	Ethyl- Total			Vinyl			PCE			Input		
			Benzene (mg/m3)	Toluene (mg/m3)	Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Chloride (mg/m3)	TCE (mg/m3)	BTEX (mg/m3)	Output BTEX (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5	ND(0.1)	ND(0.1)	ND(0.2)	215	ND(0.2)	2.88	15.84		1379.58
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.17	6.64	281	10.9	ND(0.2)	17.2	ND(0.2)	2.76	12.9	21.1
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	7.88	0.27	ND(0.2)	579	ND(0.2)	0.87	8.1		
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	15.6	ND(0.2)	48	ND(0.2)	636	4.9	108.1
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	2.8	ND(0.2)	492	ND(0.2)	35	21.5		
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	593.4	13.3	ND(0.2)	ND(0.2)	2	444.4	0	1545.1
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	562	ND(0.2)	31.9	ND(0.2)	0.9	81.4	1.6	170.4
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	13	ND(0.2)	35.6	ND(0.2)	9.7	1.01	58.3
Unit 3 Output		After Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	254	ND(0.2)	1	611	1.01	41.21
93007-TKShipnpt	04/11/96	Input	ND(0.2)	0.9	0.5	3.4	99.4	ND(0.2)	ND(0.2)	6.8	0.4	8.5	0.6	965.4
93007-TKShipExh		Exhaust	0.6	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	ND(0.2)	2.2	ND(0.3)	2.8	0.4	26.7
93007-TSINPT 7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	47.1	4.8	ND(0.3)	ND(0.5)	0.5	46.2	0	98.6
93007-TSEXST 7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.2)	97.7	1.95	0.4	12.9
UST-INPUT-10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	4.66	ND(0.2)	1.62	4.83	8.87
UST-OUTPUT-10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	30	2.8	ND(1.0)	ND(0.2)	2.59	0	301.1
93007-UST-INP-1/97	1/21/1997	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	63.3	ND(1.0)	0.58J	205	0	196.8
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	213J	ND(25.0)	41.8	ND(25.0)	ND(25.0)	6.19	0	110.25
93-007-UST-INP-5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	3.85J	ND(5.0)	8.25	ND(5.0)	ND(5.0)	102	0	121
93007-UST-1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	2.80J	ND(5.0)	ND(5.0)	121	0	104
93007-UST-4/98	04/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	104	0	46.8
93007-UST-10/98	10/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	37.9	0	37.9
93007-UST-2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	36.6	0	37
93007-UST-4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.0)	ND(1.0)	ND(1.0)	27.6	0	27.6
93007-UST-7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.0)	ND(1.0)	ND(1.0)	36.2	0	36.2
93007-UST-10/99	10/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	41.9	0	41.9
93007-UST-1/00	01/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	29.4	0	29.4
93007-UST-4/00	04/17/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	48.4	0	48.4
93007-UST-7/00	07/25/00	Input	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)	21	0	21
93007-UST-10/00	10/16/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	2.6	0	2.6
93007-UST-1/01	01/17/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	17	0	17
93007-UST-10/01	10/16/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	26	0	26
93007-UST-01/02	01/14/02	Input	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)	23	0	23
93007-UST-04/02	04/22/02	Input	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)	13.8	0	13.8
93007-UST-07/02	07/23/02	Input	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)	15.2	0	15.2
93007-UST-10/02	10/17/02	Input	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)	9.3	0	9.3
93007-UST-01/03	01/21/03	Input	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)	12.6	0	12.6
93007-UST-04/03	04/22/03	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10.5	0	10.5
93007-UST-07/03	07/15/03	Input	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)			
93007-UST-10/03	10/14/03	Input	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)			

Notes: mg/m3 = milligrams per cubic meter
ND=Not Detected at detection limit shown in parentheses.
DCA=Dichloroethane
DCE= Dichloroethene
TCE = Trichloroethene
PCE - Tetachloroethene

APPENDIX A

Laboratory Analytical Reports



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-015

Client Sample ID: 93007-2.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 15:30

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1-Dichloroethane	1.1	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100601R0029



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-015
Client Sample ID: 93007-2.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 15:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 19:29 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 19:29 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/21/03 19:29 / rh
Surr: Dibromofluoromethane	118	%REC			70-130	SW8260B	10/21/03 19:29 / rh
Surr: p-Bromofluorobenzene	110	%REC			80-120	SW8260B	10/21/03 19:29 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/21/03 19:29 / rh

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

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

TRACKING NO. PAGE NO.

100601R0030



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-009
Client Sample ID: 93007-3.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 12:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1-Dichloroethane	16	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1-Dichloroethene	5.1	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2-Dichloroethane	1.0	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Chloroform	1.5	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
cis-1,2-Dichloroethene	1.3	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh

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

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

TRACKING NO. PAGE NO.
100601R0017



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-009
Client Sample ID: 93007-3.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 12:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 16:25 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Tetrachloroethene	1.8	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 16:25 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/21/03 16:25 / rh
Surr: Dibromofluoromethane	111	%REC			70-130	SW8260B	10/21/03 16:25 / rh
Surr: p-Bromofluorobenzene	109	%REC			80-120	SW8260B	10/21/03 16:25 / rh
Surr: Toluene-d8	98.7	%REC			80-120	SW8260B	10/21/03 16:25 / rh

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

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

TRACKING NO. PAGE NO.
100501R0018



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-014
Client Sample ID: 93007-4.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 15:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1-Dichloroethane	3.9	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1-Dichloroethene	3.0	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Chloroform	1.8	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh

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

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

TRACKING NO. PAGE NO.

100601R0027



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-014
Client Sample ID: 93007-4.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 15:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 18:52 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Tetrachloroethene	13	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 18:52 / rh
VOC pH	3	s.u.		0.10		SW8260B	10/21/03 18:52 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	SW8260B	10/21/03 18:52 / rh
Surr: Dibromofluoromethane	113	%REC			70-130	SW8260B	10/21/03 18:52 / rh
Surr: p-Bromofluorobenzene	111	%REC			80-120	SW8260B	10/21/03 18:52 / rh
Surr: Toluene-d8	97.9	%REC			80-120	SW8260B	10/21/03 18:52 / rh

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

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

TRACKING NO. PAGE NO.
100601R0028



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-007

Client Sample ID: 93007-5.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 11:30

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,1-Dichloroethane	71	ug/L	D	5.0		SW8260B	10/21/03 20:42 / rh
1,1-Dichloroethene	10	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2-Dichloroethane	2.4	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Benzene	3.6	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
cis-1,2-Dichloroethene	1.6	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

TRACKING NO. PAGE NO.
100601R0013



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-007
Client Sample ID: 93007-5.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 11:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 21:20 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Tetrachloroethene	28	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Trichloroethene	5.1	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 21:20 / rh
VOC pH	7	s.u.		0.10		SW8260B	10/21/03 21:20 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/21/03 21:20 / rh
Surr: Dibromofluoromethane	120	%REC			70-130	SW8260B	10/21/03 21:20 / rh
Surr: p-Bromofluorobenzene	110	%REC			80-120	SW8260B	10/21/03 21:20 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/21/03 21:20 / rh

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

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

TRACKING NO. PAGE NO.
100601R0014



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-008

Client Sample ID: 93007-6.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 12:00

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,1,1-Trichloroethane	6.2	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,1,2-Trichloroethane	3.3	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,1-Dichloroethane	63	ug/L	D	5.0		SW8260B	10/21/03 22:36 / rh
1,1-Dichloroethene	18	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2-Dichloroethane	4.4	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Chloroform	10	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
cis-1,2-Dichloroethene	2.6	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

TRACKING NO. PAGE NO.

100601R0015



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-008

Client Sample ID: 93007-6.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 12:00

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 23:15 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Tetrachloroethene	32	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Trichloroethene	1.1	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 23:15 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/21/03 23:15 / rh
Surr: Dibromofluoromethane	121	%REC			70-130	SW8260B	10/21/03 23:15 / rh
Surr: p-Bromofluorobenzene	113	%REC			80-120	SW8260B	10/21/03 23:15 / rh
Surr: Toluene-d8	99.9	%REC			80-120	SW8260B	10/21/03 23:15 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0016



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-010
Client Sample ID: 93007-7.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 13:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1-Dichloroethane	24	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1-Dichloroethene	7.9	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh

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

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

TRACKING NO. PAGE NO.

100601R0019



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-010

Client Sample ID: 93007-7.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 13:00

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 17:02 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Tetrachloroethene	19	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Trichloroethene	2.2	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 17:02 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/21/03 17:02 / rh
Surr: Dibromofluoromethane	113	%REC			70-130	SW8260B	10/21/03 17:02 / rh
Surr: p-Bromofluorobenzene	108	%REC			80-120	SW8260B	10/21/03 17:02 / rh
Surr: Toluene-d8	99.4	%REC			80-120	SW8260B	10/21/03 17:02 / rh

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

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

TRACKING NO. PAGE NO.

100501R0020



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-011

Client Sample ID: 93007-8.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 13:30

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1,1-Trichloroethane	2.6	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1-Dichloroethane	5.0	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1-Dichloroethene	5.2	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2-Dichloroethane	1.0	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Chloroform	4.2	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0021



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-011
Client Sample ID: 93007-8.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 13:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 02:22 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Tetrachloroethene	30	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 02:22 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 02:22 / rh
Surr: Dibromofluoromethane	123	%REC			70-130	SW8260B	10/22/03 02:22 / rh
Surr: p-Bromofluorobenzene	112	%REC			80-120	SW8260B	10/22/03 02:22 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 02:22 / rh

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

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

TRACKING NO. PAGE NO.

100601R0022



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-013
Client Sample ID: 93007-9.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 14:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1-Dichloroethane	1.9	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1-Dichloroethene	3.0	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh

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

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

TRACKING NO. PAGE NO.

100601R0025



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-013
Client Sample ID: 93007-9.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 14:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 18:15 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Tetrachloroethene	14	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 18:15 / rh
VOC pH	4	s.u.		0.10		SW8260B	10/21/03 18:15 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	SW8260B	10/21/03 18:15 / rh
Surr: Dibromofluoromethane	115	%REC			70-130	SW8260B	10/21/03 18:15 / rh
Surr: p-Bromofluorobenzene	108	%REC			80-120	SW8260B	10/21/03 18:15 / rh
Surr: Toluene-d8	97.9	%REC			80-120	SW8260B	10/21/03 18:15 / rh

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

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

TRACKING NO. PAGE NO.

100601R0026



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-012
Client Sample ID: 93007-10.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 14:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh

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

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



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-012
Client Sample ID: 93007-10.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 14:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 17:38 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 17:38 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/21/03 17:38 / rh
Surr: Dibromofluoromethane	112	%REC			70-130	SW8260B	10/21/03 17:38 / rh
Surr: p-Bromofluorobenzene	109	%REC			80-120	SW8260B	10/21/03 17:38 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/21/03 17:38 / rh

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

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

TRACKING NO. PAGE NO.

100601R0024



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-006
Client Sample ID: 93007-11.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 11:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh

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

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

TRACKING NO. PAGE NO.
100601R0011



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-006
Client Sample ID: 93007-11.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 11:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Ethylbenzene	6.8	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Isopropylbenzene	27	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 15:02 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
n-Propylbenzene	4.8	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
sec-Butylbenzene	3.6	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 15:02 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/21/03 15:02 / rh
Surr: Dibromofluoromethane	115	%REC			70-130	SW8260B	10/21/03 15:02 / rh
Surr: p-Bromofluorobenzene	119	%REC			80-120	SW8260B	10/21/03 15:02 / rh
Surr: Toluene-d8	103	%REC			80-120	SW8260B	10/21/03 15:02 / rh

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

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

TRACKING NO. PAGE NO.
100601R0012



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-005
Client Sample ID: 93007-12.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 10:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh

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

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

TRACKING NO. PAGE NO.
100601R0009



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-005
Client Sample ID: 93007-12.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 10:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 14:25 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 14:25 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/21/03 14:25 / rh
Surr: Dibromofluoromethane	117	%REC			70-130	SW8260B	10/21/03 14:25 / rh
Surr: p-Bromofluorobenzene	110	%REC			80-120	SW8260B	10/21/03 14:25 / rh
Surr: Toluene-d8	98.7	%REC			80-120	SW8260B	10/21/03 14:25 / rh

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

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

TRACKING NO. PAGE NO.

100601R0010



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-004
Client Sample ID: 93007-13.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 10:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1,1-Trichloroethane	1.6	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1-Dichloroethane	2.0	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1-Dichloroethene	21	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh

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

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

TRACKING NO. PAGE NO.
10060100007



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-004
Client Sample ID: 93007-13.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 10:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 20:06 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Tetrachloroethene	27	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 20:06 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/21/03 20:06 / rh
Surr: Dibromofluoromethane	119	%REC			70-130	SW8260B	10/21/03 20:06 / rh
Surr: p-Bromofluorobenzene	109	%REC			80-120	SW8260B	10/21/03 20:06 / rh
Surr: Toluene-d8	99.7	%REC			80-120	SW8260B	10/21/03 20:06 / rh

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

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

TRACKING NO. PAGE NO.

180601R0008



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-001
Client Sample ID: 93007-14.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 08:15
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1-Dichloroethane	1.7	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1-Dichloroethene	1.6	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh

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

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

TRACKING NO. PAGE NO.

190601R0001



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-001
Client Sample ID: 93007-14.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 08:15
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 12:35 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Tetrachloroethene	1.1	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 12:35 / rh
VOC pH	7	s.u.		0.10		SW8260B	10/21/03 12:35 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/21/03 12:35 / rh
Surr: Dibromofluoromethane	112	%REC			70-130	SW8260B	10/21/03 12:35 / rh
Surr: p-Bromofluorobenzene	110	%REC			80-120	SW8260B	10/21/03 12:35 / rh
Surr: Toluene-d8	99.9	%REC			80-120	SW8260B	10/21/03 12:35 / rh

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

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

TRACKING NO. PAGE NO.
100601R0002



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-002

Client Sample ID: 93007-15.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 08:30

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1-Dichloroethene	1.4	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0003



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-002
Client Sample ID: 93007-15.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 08:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/21/03 13:12 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/21/03 13:12 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/21/03 13:12 / rh
Surr: Dibromofluoromethane	114	%REC			70-130	SW8260B	10/21/03 13:12 / rh
Surr: p-Bromofluorobenzene	109	%REC			80-120	SW8260B	10/21/03 13:12 / rh
Surr: Toluene-d8	99.6	%REC			80-120	SW8260B	10/21/03 13:12 / rh

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

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

TRACKING NO. PAGE NO.

100601R00004



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-003
Client Sample ID: 93007-S04.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 09:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1,1-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1,2-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,1-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2,3-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2,3-Trichloropropane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2,4-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2,4-Trimethylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2-Dibromoethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,3,5-Trimethylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,3-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,3-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
1,4-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
2,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
2-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
4-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Benzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Bromobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Bromochloromethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Bromodichloromethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Bromoform	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Bromomethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Carbon tetrachloride	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Chlorobenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Chlorodibromomethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Chloroethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Chloroform	3.6	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Chloromethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
cis-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
cis-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Dibromomethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh

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

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

TRACKING NO. PAGE NO.
100601R0005



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-003
Client Sample ID: 93007-S04.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 09:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Ethylbenzene	2.5	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Hexachlorobutadiene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Isopropylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
m+p-Xylenes	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Methyl ethyl ketone	ND	ug/L	D	50		SW8260B	10/21/03 13:49 / rh
Methylene chloride	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Naphthalene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
n-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
n-Propylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
o-Xylene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
p-Isopropyltoluene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
sec-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Styrene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
tert-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Tetrachloroethene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Toluene	3.3	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
trans-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
trans-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Trichloroethene	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Trichlorofluoromethane	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Vinyl chloride	ND	ug/L	D	2.5		SW8260B	10/21/03 13:49 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC	D		80-120	SW8260B	10/21/03 13:49 / rh
Surr: Dibromofluoromethane	112	%REC	D		70-130	SW8260B	10/21/03 13:49 / rh
Surr: p-Bromofluorobenzene	112	%REC	D		80-120	SW8260B	10/21/03 13:49 / rh
Surr: Toluene-d8	98.3	%REC	D		80-120	SW8260B	10/21/03 13:49 / rh

- Reporting limit elevated due to sample foaming tendencies.

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

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

TRACKING NO. PAGE NO.
100601R0006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-016
Client Sample ID: 93007-A.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 08:00
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh

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

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

TRACKING NO. PAGE NO.
100601R0031



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-016

Client Sample ID: 93007-A.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 08:00

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 04:15 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 04:15 / rh
VOC pH	7	s.u.		0.10		SW8260B	10/22/03 04:15 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 04:15 / rh
Surr: Dibromofluoromethane	125	%REC			70-130	SW8260B	10/22/03 04:15 / rh
Surr: p-Bromofluorobenzene	111	%REC			80-120	SW8260B	10/22/03 04:15 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 04:15 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0032



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100601-017

Client Sample ID: 93007-B.10/03

Report Date: 10/23/03

Collection Date: 10/14/03 07:30

Date Received: 10/15/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1-Dichloroethane	3.9	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1-Dichloroethene	2.8	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Chloroform	1.9	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0033



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100601-017
Client Sample ID: 93007-B.10/03

Report Date: 10/23/03
Collection Date: 10/14/03 07:30
Date Received: 10/15/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 06:08 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Tetrachloroethene	11	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 06:08 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/22/03 06:08 / rh
Surr: Dibromofluoromethane	123	%REC			70-130	SW8260B	10/22/03 06:08 / rh
Surr: p-Bromofluorobenzene	114	%REC			80-120	SW8260B	10/22/03 06:08 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 06:08 / rh

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

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

TRACKING NO. PAGE NO.
100601R0034



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/23/03

Work Order: C03100601

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27677		
Sample ID: 21-Oct-03_LCS_3 Laboratory Control Spike							10/21/03 10:09		
1,1,1,2-Tetrachloroethane	11	ug/L	1.0	113	70	130			
1,1,1-Trichloroethane	12	ug/L	1.0	117	70	140			
1,1,2,2-Tetrachloroethane	9.9	ug/L	1.0	99.4	70	130			
1,1,2-Trichloroethane	10	ug/L	1.0	99.5	70	130			
1,1-Dichloroethane	10	ug/L	1.0	102	70	130			
1,1-Dichloroethene	9.0	ug/L	1.0	89.5	70	130			
1,1-Dichloropropene	11	ug/L	1.0	105	75	135			
1,2,3-Trichlorobenzene	9.3	ug/L	1.0	93.4	70	130			
1,2,3-Trichloropropane	11	ug/L	1.0	115	70	130			
1,2,4-Trichlorobenzene	9.6	ug/L	1.0	95.9	70	130			
1,2,4-Trimethylbenzene	10	ug/L	1.0	103	70	130			
1,2-Dibromo-3-chloropropane	11	ug/L	1.0	108	70	130			
1,2-Dibromoethane	10	ug/L	1.0	103	70	130			
1,2-Dichlorobenzene	9.5	ug/L	1.0	94.9	70	130			
1,2-Dichloroethane	13	ug/L	1.0	128	70	130			
1,2-Dichloropropane	9.3	ug/L	1.0	93.2	65	135			
1,3,5-Trimethylbenzene	10	ug/L	1.0	100	70	130			
1,3-Dichlorobenzene	9.2	ug/L	1.0	92.2	75	125			
1,3-Dichloropropane	10	ug/L	1.0	103	70	130			
1,4-Dichlorobenzene	9.4	ug/L	1.0	94.3	70	130			
2,2-Dichloropropane	10	ug/L	1.0	104	60	140			
2-Chlorotoluene	9.2	ug/L	1.0	92.1	70	130			
4-Chlorotoluene	10	ug/L	1.0	103	70	130			
Benzene	9.1	ug/L	1.0	91.3	70	130			
Bromobenzene	9.4	ug/L	1.0	94.1	70	130			
Bromochloromethane	9.3	ug/L	1.0	92.9	70	130			
Bromodichloromethane	12	ug/L	1.0	119	70	130			
Bromoform	12	ug/L	1.0	118	70	130			
Bromomethane	8.0	ug/L	1.0	80	65	135			
Carbon tetrachloride	13	ug/L	1.0	133	70	130			S
Chlorobenzene	9.6	ug/L	1.0	95.9	75	135			
Chlorodibromomethane	11	ug/L	1.0	114	70	130			
Chloroethane	7.9	ug/L	1.0	78.7	65	135			
Chloroform	11	ug/L	1.0	109	70	130			
Chloromethane	8.7	ug/L	1.0	87	65	135			
cis-1,2-Dichloroethene	8.9	ug/L	1.0	88.6	75	135			
cis-1,3-Dichloropropene	10	ug/L	1.0	102	70	130			
Dibromomethane	11	ug/L	1.0	110	70	130			
Dichlorodifluoromethane	11	ug/L	1.0	107	65	135			
Ethylbenzene	10	ug/L	1.0	103	70	130			
Hexachlorobutadiene	10	ug/L	1.0	102	60	140			
Isopropylbenzene	9.9	ug/L	1.0	99.4	70	130			
m+p-Xylenes	20	ug/L	1.0	97.9	70	130			

Qualifiers: RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

WORKING NO. PAGE NO.

100601R0035



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/23/03

Work Order: C03100601

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

Batch: R27677

Sample ID: 21-Oct-03_LCS_3

Laboratory Control Spike

10/21/03 10:09

Methylene chloride	9.1	ug/L	1.0	91.4	70	130			
Naphthalene	9.5	ug/L	1.0	95.4	70	130			
n-Butylbenzene	10	ug/L	1.0	103	75	125			
n-Propylbenzene	10	ug/L	1.0	101	70	130			
o-Xylene	9.9	ug/L	1.0	99.4	70	130			
p-Isopropyltoluene	9.9	ug/L	1.0	99.2	70	130			
sec-Butylbenzene	9.9	ug/L	1.0	99.4	70	130			
Styrene	10	ug/L	1.0	100	70	130			
tert-Butylbenzene	9.9	ug/L	1.0	99.3	70	130			
Tetrachloroethene	9.9	ug/L	1.0	98.8	70	130			
Toluene	9.1	ug/L	1.0	90.7	70	130			
trans-1,2-Dichloroethene	9.0	ug/L	1.0	89.6	70	130			
trans-1,3-Dichloropropene	11	ug/L	1.0	111	70	130			
Trichloroethene	10	ug/L	1.0	103	70	130			
Trichlorofluoromethane	12	ug/L	1.0	119	60	140			
Vinyl chloride	8.5	ug/L	1.0	84.6	60	140			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	110	70	130			
Surr: p-Bromofluorobenzene			1.0	116	80	130			
Surr: Toluene-d8			1.0	100	80	120			

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

Sample ID: 21-Oct-03_MBLK_6

Method Blank

10/21/03 11:58

1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
1,1-Dichloropropene	ND	ug/L	1.0						
1,2,3-Trichlorobenzene	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
1,2,4-Trichlorobenzene	ND	ug/L	1.0						
1,2,4-Trimethylbenzene	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
1,3,5-Trimethylbenzene	ND	ug/L	1.0						
1,3-Dichlorobenzene	ND	ug/L	1.0						
1,3-Dichloropropane	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
2,2-Dichloropropane	ND	ug/L	1.0						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100601R0036



QA/QC Summary Report

Client: Western Water Consultants
Project: 93007 Hobbs

Report Date: 10/23/03
Work Order: C03100601

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R27677
Sample ID: 21-Oct-03_MBLK_6	Method Blank								10/21/03 11:58
2-Chlorotoluene	ND	ug/L	1.0						
4-Chlorotoluene	ND	ug/L	1.0						
Benzene	ND	ug/L	1.0						
Bromobenzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
Hexachlorobutadiene	ND	ug/L	1.0						
Isopropylbenzene	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Naphthalene	ND	ug/L	1.0						
n-Butylbenzene	ND	ug/L	1.0						
n-Propylbenzene	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
p-Isopropyltoluene	ND	ug/L	1.0						
sec-Butylbenzene	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
tert-Butylbenzene	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	97.4	70	130			
Surr: p-Bromofluorobenzene			1.0	108	80	120			
Surr: Toluene-d8			1.0	90	80	120			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100601R0037



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/23/03

Work Order: C03100601

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27677		
Sample ID: C03100601-008AMS		Matrix Spike					10/21/03 23:53		
1,1,1-Trichloroethane	120	ug/L	5.0	113	70	130			
1,1-Dichloroethene	100	ug/L	5.0	81.5	70	130			
1,2-Dichloroethane	130	ug/L	5.0	128	70	130			
1,4-Dichlorobenzene	100	ug/L	5.0	104	70	130			
Benzene	90	ug/L	5.0	89.6	70	130			
Bromodichloromethane	110	ug/L	5.0	111	70	130			
Bromoform	120	ug/L	5.0	119	70	130			
Carbon tetrachloride	120	ug/L	5.0	125	70	130			
Chlorodibromomethane	120	ug/L	5.0	125	70	130			
Chloroform	120	ug/L	5.0	107	70	130			
Trichloroethene	99	ug/L	5.0	98.8	70	130			
Vinyl chloride	74	ug/L	5.0	73.7	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	104	70	130			
Surr: p-Bromofluorobenzene			5.0	112	80	120			
Surr: Toluene-d8			5.0	90	80	120			
Sample ID: C03100601-008AMSD		Matrix Spike Duplicate					10/22/03 00:31		
1,1,1-Trichloroethane	120	ug/L	5.0	117	70	130	3.4	20	
1,1-Dichloroethene	100	ug/L	5.0	82	70	130	0.5	20	
1,2-Dichloroethane	130	ug/L	5.0	132	70	130	3.5	20	S
1,4-Dichlorobenzene	100	ug/L	5.0	104	70	130	0.2	20	
Benzene	90	ug/L	5.0	90	70	130	0.4	20	
Bromodichloromethane	110	ug/L	5.0	113	70	130	2.1	20	
Bromoform	120	ug/L	5.0	124	70	130	4.3	20	
Carbon tetrachloride	120	ug/L	5.0	124	70	130	0.2	20	
Chlorodibromomethane	130	ug/L	5.0	127	70	130	1.8	20	
Chloroform	120	ug/L	5.0	110	70	130	2.6	20	
Trichloroethene	100	ug/L	5.0	101	70	130	2.0	20	
Vinyl chloride	74	ug/L	5.0	73.6	70	130	0.1	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	105	80	120	0	10	
Surr: Dibromofluoromethane			5.0	107	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	113	80	120	0	10	
Surr: Toluene-d8			5.0	89.7	80	120	0	10	

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

Qualifiers: RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100601R0038



Gain Custody and Analytical Request Record

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

Company Name: WJWC		Project Name, PWS #, Permit #, Etc.: 93007 HOBBS	
Report Mail Address: 611 SKYLINE RD		Contact Name, Phone, Fax, E-mail: Rick Devere	
Invoice Address: LARAMIE WY 82070		Purchase Order #: 93007.4	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Comments:	
EDD/EDT ☐ Format _____		Receipt Temp _____ Cooler ID(s) 586 Custody Seal ☒ N Intact ☒ N Signature ☒ N Match ☒ N Lab ID 9300601	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		ANALYSIS REQUESTED	
Collection Date		Normal Turnaround (TAT)	
Collection Time		RUSH Turnaround (TAT)	
Matrix		SEE ATTACHED	
Number of Containers		SEE ATTACHED	
Sample Type: A W S V B O Air Water Soils/Solids Vegetation Biossay Other		SEE ATTACHED	
1 93007-14.10/03		X	
2 93007-15.10/03		✓	
3 93007-504.10/03		✓	
4 93007-13.10/03		✓	
5 93007-12.10/03		✓	
6 93007-11.10/03		✓	
7 93007-5.10/03		✓	
8 93007-6.10/03		✓	
9 93007-3.10/03		✓	
10 93007-7.10/03		✓	
Relinquished by: Blake Dell		Received by: Devin Schuch	
Relinquished by: _____		Received by: _____	
Date/Time: 10/14/03 17:00		Date/Time: 10/15/03	
Date/Time: _____		Date/Time: 10:00	
Custody Record MUST be Signed		LABORATORY USE ONLY	
Sample Disposal: _____		Sample Type: _____ # of fractions _____	
Return to client: _____		LABORATORY USE ONLY	

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

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

Company Name: WJC		Project Name, PWS #, Permit #, Etc.: 93007 - HOBBS	
Report Mail Address: 611 SKYLINE RD		Contact Name, Phone, Fax, E-mail: Rick Deuel	
Invoice Address: LARAMIE WY 82070		Invoice Contact & Phone #: 307 742 0031	
Report Required For: POTW/WWTP ☐ DW ☐ Other _____		Purchase Order #: 93007.4	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments:	
EDD/EDT ☐ Format _____		Receipt/Temp Cooler ID(s) 586 Custody Seal YN Intact YN Signature YN Match YN Lab ID 20310601	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		ANALYSIS REQUESTED	
1 93007-8.10.03		SEE ATTACHED	
2 93007-10.10.03		Normal Turnaround (TAT)	
3 93007-9.10.03		RUSH Turnaround (TAT)	
4 93007-4.10.03		Comments:	
5 93007-2.10.03		LABORATORY USE ONLY	
6 93007-A: 10.10.03			
7 93007-B: 10.10.03			
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ables submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

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

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: WSTRN-WTR-CNSLTNTS-LR

Date and Time Received: 10/15/2003 10:00:00

Work Order Number C03100601

Received by: trs

Checklist completed by

Signature

Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	4 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

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

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

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

TRACKING NO. PAGE NO.
100601R0041



ANALYTICAL SUMMARY REPORT

October 23, 2003

Rick Deuell

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C03100601

Project Name: 93007 Hobbs

Energy Laboratories Inc. received the following 17 samples from Western Water Consultants on 10/15/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C03100601-001	93007-14.10/03	10/14/03 8:15	10/15/03	Aqueous	SW8260B VOCs, Standard List
C03100601-002	93007-15.10/03	10/14/03 8:30	10/15/03	Aqueous	Same As Above
C03100601-003	93007-S04.10/03	10/14/03 9:30	10/15/03	Aqueous	Same As Above
C03100601-004	93007-13.10/03	10/14/03 10:00	10/15/03	Aqueous	Same As Above
C03100601-005	93007-12.10/03	10/14/03 10:30	10/15/03	Aqueous	Same As Above
C03100601-006	93007-11.10/03	10/14/03 11:00	10/15/03	Aqueous	Same As Above
C03100601-007	93007-5.10/03	10/14/03 11:30	10/15/03	Aqueous	Same As Above
C03100601-008	93007-6.10/03	10/14/03 12:00	10/15/03	Aqueous	Same As Above
C03100601-009	93007-3.10/03	10/14/03 12:30	10/15/03	Aqueous	Same As Above
C03100601-010	93007-7.10/03	10/14/03 13:00	10/15/03	Aqueous	Same As Above
C03100601-011	93007-8.10/03	10/14/03 13:30	10/15/03	Aqueous	Same As Above
C03100601-012	93007-10.10/03	10/14/03 14:00	10/15/03	Aqueous	Same As Above
C03100601-013	93007-9.10/03	10/14/03 14:30	10/15/03	Aqueous	Same As Above
C03100601-014	93007-4.10/03	10/14/03 15:00	10/15/03	Aqueous	Same As Above
C03100601-015	93007-2.10/03	10/14/03 15:30	10/15/03	Aqueous	Same As Above
C03100601-016	93007-A.10/03	10/14/03 8:00	10/15/03	Aqueous	Same As Above
C03100601-017	93007-B.10/03	10/14/03 7:30	10/15/03	Aqueous	Same As Above

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

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

Report Approved By:

TRACKING NO. PAGE NO.
100601R0042



Date: 23-Oct-03

CLIENT: Western Water Consultants
Project: 93007 Hobbs
Sample Delivery Group: C03100601

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

SUBCONTRACTING ANALYSIS

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

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

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

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

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

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

TRACKING NO. PAGE NO.

100601R0043



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100579-001
Client Sample ID: 93007-WP.10/03

Report Date: 10/20/03
Collection Date: 10/14/03 15:45
Date Received: 10/15/03
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2,4-Trimethylbenzene	8.5	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,3,5-Trimethylbenzene	4.8	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Benzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh

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

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

TRACKING NO. PAGE NO.
100579R0001



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100579-001
Client Sample ID: 93007-WP.10/03

Report Date: 10/20/03
Collection Date: 10/14/03 15:45
Date Received: 10/15/03
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Ethylbenzene	1.2	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
m+p-Xylenes	3.6	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/16/03 11:10 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
n-Propylbenzene	1.4	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
o-Xylene	5.1	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
p-Isopropyltoluene	1.4	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Styrene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Tetrachloroethene	5.6	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Toluene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/16/03 11:10 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/16/03 11:10 / rh
Surr: Dibromofluoromethane	86.3	%REC			80-120	SW8260B	10/16/03 11:10 / rh
Surr: p-Bromofluorobenzene	103	%REC			80-120	SW8260B	10/16/03 11:10 / rh
Surr: Toluene-d8	115	%REC			80-120	SW8260B	10/16/03 11:10 / rh

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

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

TRACKING NO. PAGE NO.
100579R0002



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100579-002

Client Sample ID: 93007-AD.10/03

Report Date: 10/20/03

Collection Date: 10/14/03 16:00

Date Received: 10/15/03

Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Benzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh

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

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

TRACKING NO. PAGE NO.
100579R0003



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C03100579-002

Client Sample ID: 93007-AD.10/03

Report Date: 10/20/03

Collection Date: 10/14/03 16:00

Date Received: 10/15/03

Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/16/03 12:36 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
o-Xylene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Styrene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Tetrachloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Toluene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/16/03 12:36 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/16/03 12:36 / rh
Surr: Dibromofluoromethane	88.4	%REC			80-120	SW8260B	10/16/03 12:36 / rh
Surr: p-Bromofluorobenzene	99.8	%REC			80-120	SW8260B	10/16/03 12:36 / rh
Surr: Toluene-d8	108	%REC			80-120	SW8260B	10/16/03 12:36 / rh

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

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

TRACKING NO. PAGE NO
100579R00004



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100579-003
Client Sample ID: 93007-UST.10/03

Report Date: 10/20/03
Collection Date: 10/14/03 16:15
Date Received: 10/15/03
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Benzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh

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

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

TRACKING NO. PAGE NO.
100579R0005



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C03100579-003
Client Sample ID: 93007-UST.10/03

Report Date: 10/20/03
Collection Date: 10/14/03 16:15
Date Received: 10/15/03
Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/16/03 13:15 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
o-Xylene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Styrene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Tetrachloroethene	10.5	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Toluene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/16/03 13:15 / rh
Surr: 1,2-Dichlorobenzene-d4	108	%REC			80-120	SW8260B	10/16/03 13:15 / rh
Surr: Dibromofluoromethane	90.7	%REC			80-120	SW8260B	10/16/03 13:15 / rh
Surr: p-Bromofluorobenzene	102	%REC			80-120	SW8260B	10/16/03 13:15 / rh
Surr: Toluene-d8	108	%REC			80-120	SW8260B	10/16/03 13:15 / rh

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

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

TRACKING NO. PAGE NO
100579R0000



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/20/03

Work Order: C03100579

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27480		
Sample ID: LCS Curve 1 @ Laboratory Control Spike							10/16/03 09:12		
1,1,1,2-Tetrachloroethane	8.57	mg/m3	1.00	85.7	70	130			
1,1,1-Trichloroethane	8.43	mg/m3	1.00	84.3	70	130			
1,1,2,2-Tetrachloroethane	9.72	mg/m3	1.00	97.2	70	130			
1,1,2-Trichloroethane	9.35	mg/m3	1.00	93.5	70	130			
1,1-Dichloroethane	8.76	mg/m3	1.00	87.6	70	130			
1,1-Dichloroethene	10.6	mg/m3	1.00	106	70	130			
1,1-Dichloropropene	9.00	mg/m3	1.00	90	70	130			
1,2,3-Trichlorobenzene	10.4	mg/m3	1.00	104	70	130			
1,2,3-Trichloropropane	9.29	mg/m3	1.00	92.9	70	130			
1,2,4-Trichlorobenzene	10.6	mg/m3	1.00	106	70	130			
1,2,4-Trimethylbenzene	9.60	mg/m3	1.00	96	70	130			
1,2-Dibromo-3-chloropropane	9.82	mg/m3	1.00	98.2	70	130			
1,2-Dibromoethane	9.13	mg/m3	1.00	91.3	70	130			
1,2-Dichlorobenzene	10.0	mg/m3	1.00	100	70	130			
1,2-Dichloroethane	8.40	mg/m3	1.00	84	70	130			
1,2-Dichloropropane	8.99	mg/m3	1.00	89.9	70	130			
1,3,5-Trimethylbenzene	9.79	mg/m3	1.00	97.9	70	130			
1,3-Dichlorobenzene	9.11	mg/m3	1.00	91.1	70	130			
1,3-Dichloropropane	8.48	mg/m3	1.00	84.8	70	130			
1,4-Dichlorobenzene	7.49	mg/m3	1.00	74.9	70	130			
2,2-Dichloropropane	8.96	mg/m3	1.00	89.6	70	130			
2-Chlorotoluene	10.6	mg/m3	1.00	106	70	130			
4-Chlorotoluene	8.94	mg/m3	1.00	89.4	70	130			
Benzene	9.44	mg/m3	1.00	94.4	70	130			
Bromobenzene	9.14	mg/m3	1.00	91.4	70	130			
Bromochloromethane	10.2	mg/m3	1.00	102	70	130			
Bromodichloromethane	8.83	mg/m3	1.00	88.3	70	130			
Bromoform	9.13	mg/m3	1.00	91.3	70	130			
Bromomethane	9.99	mg/m3	1.00	99.9	70	130			
Carbon tetrachloride	8.66	mg/m3	1.00	86.6	70	130			
Chlorobenzene	9.81	mg/m3	1.00	98.1	70	130			
Chlorodibromomethane	8.43	mg/m3	1.00	84.3	70	130			
Chloroethane	10.4	mg/m3	1.00	104	70	130			
Chloroform	9.33	mg/m3	1.00	93.3	70	130			
Chloromethane	9.30	mg/m3	1.00	93	70	130			
cis-1,2-Dichloroethene	8.64	mg/m3	1.00	86.4	70	130			
cis-1,3-Dichloropropene	9.32	mg/m3	1.00	93.2	70	130			
Dibromomethane	8.95	mg/m3	1.00	89.5	70	130			
Dichlorodifluoromethane	7.59	mg/m3	1.00	75.9	70	130			
Ethylbenzene	10.2	mg/m3	1.00	102	70	130			
Hexachlorobutadiene	10.4	mg/m3	1.00	104	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100579R0007



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/20/03

Work Order: C03100579

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27480		
Sample ID: LCS Curve 1 @ Laboratory Control Spike							10/16/03 09:12		
Isopropylbenzene	10.0	mg/m3	1.00	100	70	130			
m+p-Xylenes	20.3	mg/m3	1.00	102	70	130			
Methylene chloride	9.98	mg/m3	1.00	99.8	70	130			
Naphthalene	10.6	mg/m3	1.00	106	70	130			
n-Butylbenzene	10.6	mg/m3	1.00	106	70	130			
n-Propylbenzene	10.1	mg/m3	1.00	101	70	130			
o-Xylene	10.1	mg/m3	1.00	101	70	130			
p-Isopropyltoluene	9.84	mg/m3	1.00	98.4	70	130			
sec-Butylbenzene	10.4	mg/m3	1.00	104	70	130			
Styrene	9.92	mg/m3	1.00	99.2	70	130			
tert-Butylbenzene	10.3	mg/m3	1.00	103	70	130			
Tetrachloroethene	9.73	mg/m3	1.00	97.3	70	130			
Toluene	10.9	mg/m3	1.00	109	70	130			
trans-1,2-Dichloroethene	8.77	mg/m3	1.00	87.7	70	130			
trans-1,3-Dichloropropene	9.35	mg/m3	1.00	93.5	70	130			
Trichloroethene	9.35	mg/m3	1.00	93.5	70	130			
Trichlorofluoromethane	10.2	mg/m3	1.00	102	70	130			
Vinyl chloride	9.95	mg/m3	1.00	99.5	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.00	105	80	120			
Surr: Dibromofluoromethane			1.00	86	80	120			
Surr: p-Bromofluorobenzene			1.00	105	80	120			
Surr: Toluene-d8			1.00	111	80	120			
Sample ID: Method Blank # Method Blank							10/16/03 10:30		
1,1,1,2-Tetrachloroethane	ND	mg/m3	1.00						
1,1,1-Trichloroethane	ND	mg/m3	1.00						
1,1,2,2-Tetrachloroethane	ND	mg/m3	1.00						
1,1,2-Trichloroethane	ND	mg/m3	1.00						
1,1-Dichloroethane	ND	mg/m3	1.00						
1,1-Dichloroethene	ND	mg/m3	1.00						
1,1-Dichloropropene	ND	mg/m3	1.00						
1,2,3-Trichlorobenzene	ND	mg/m3	1.00						
1,2,3-Trichloropropane	ND	mg/m3	1.00						
1,2,4-Trichlorobenzene	ND	mg/m3	1.00						
1,2,4-Trimethylbenzene	ND	mg/m3	1.00						
1,2-Dibromo-3-chloropropane	ND	mg/m3	1.00						
1,2-Dibromoethane	ND	mg/m3	1.00						
1,2-Dichlorobenzene	ND	mg/m3	1.00						
1,2-Dichloroethane	ND	mg/m3	1.00						
1,2-Dichloropropane	ND	mg/m3	1.00						
1,3,5-Trimethylbenzene	ND	mg/m3	1.00						
1,3-Dichlorobenzene	ND	mg/m3	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100579R00008



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/20/03

Work Order: C03100579

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27480		
Sample ID: Method Blank #	Method Blank								10/16/03 10:30
1,3-Dichloropropane	ND	mg/m3	1.00						
1,4-Dichlorobenzene	ND	mg/m3	1.00						
2,2-Dichloropropane	ND	mg/m3	1.00						
2-Chlorotoluene	ND	mg/m3	1.00						
4-Chlorotoluene	ND	mg/m3	1.00						
Benzene	ND	mg/m3	1.00						
Bromobenzene	ND	mg/m3	1.00						
Bromochloromethane	ND	mg/m3	1.00						
Bromodichloromethane	ND	mg/m3	1.00						
Bromoform	ND	mg/m3	1.00						
Bromomethane	ND	mg/m3	1.00						
Carbon tetrachloride	ND	mg/m3	1.00						
Chlorobenzene	ND	mg/m3	1.00						
Chlorodibromomethane	ND	mg/m3	1.00						
Chloroethane	ND	mg/m3	1.00						
Chloroform	ND	mg/m3	1.00						
Chloromethane	ND	mg/m3	1.00						
cis-1,2-Dichloroethene	ND	mg/m3	1.00						
cis-1,3-Dichloropropene	ND	mg/m3	1.00						
Dibromomethane	ND	mg/m3	1.00						
Dichlorodifluoromethane	ND	mg/m3	1.00						
Ethylbenzene	ND	mg/m3	1.00						
Hexachlorobutadiene	ND	mg/m3	1.00						
Isopropylbenzene	ND	mg/m3	1.00						
m+p-Xylenes	ND	mg/m3	1.00						
Methyl ethyl ketone	ND	mg/m3	20.0						
Methylene chloride	ND	mg/m3	1.00						
Naphthalene	ND	mg/m3	1.00						
n-Butylbenzene	ND	mg/m3	1.00						
n-Propylbenzene	ND	mg/m3	1.00						
o-Xylene	ND	mg/m3	1.00						
p-Isopropyltoluene	ND	mg/m3	1.00						
sec-Butylbenzene	ND	mg/m3	1.00						
Styrene	ND	mg/m3	1.00						
tert-Butylbenzene	ND	mg/m3	1.00						
Tetrachloroethene	ND	mg/m3	1.00						
Toluene	ND	mg/m3	1.00						
trans-1,2-Dichloroethene	ND	mg/m3	1.00						
trans-1,3-Dichloropropene	ND	mg/m3	1.00						
Trichloroethene	ND	mg/m3	1.00						
Trichlorofluoromethane	ND	mg/m3	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100579R0009



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/20/03

Work Order: C03100579

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27480		
Sample ID: Method Blank #							10/16/03 10:30		
Method Blank									
Vinyl chloride	ND	mg/m3	1.00						
Surr: 1,2-Dichlorobenzene-d4			1.00	105	80	120			
Surr: Dibromofluoromethane			1.00	85.9	80	120			
Surr: p-Bromofluorobenzene			1.00	104	80	120			
Surr: Toluene-d8			1.00	110	80	120			
Sample ID: C03100579-003A							10/16/03 13:54		
Matrix Spike									
1,1,1-Trichloroethane	8.23	mg/m3	1.00	82.3	70	130			
1,1-Dichloroethene	10.3	mg/m3	1.00	103	70	130			
1,2-Dichloroethane	8.09	mg/m3	1.00	80.9	70	130			
1,4-Dichlorobenzene	8.32	mg/m3	1.00	83.2	70	130			
Benzene	9.51	mg/m3	1.00	95.1	70	130			
Bromodichloromethane	8.57	mg/m3	1.00	85.7	70	130			
Bromoform	7.95	mg/m3	1.00	79.5	70	130			
Carbon tetrachloride	8.30	mg/m3	1.00	83	70	130			
Chlorodibromomethane	7.84	mg/m3	1.00	78.4	70	130			
Chloroform	9.35	mg/m3	1.00	93.5	70	130			
Trichloroethene	8.92	mg/m3	1.00	89.2	70	130			
Vinyl chloride	10.2	mg/m3	1.00	102	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.00	108	80	120			
Surr: Dibromofluoromethane			1.00	91.2	80	120			
Surr: p-Bromofluorobenzene			1.00	102	80	120			
Surr: Toluene-d8			1.00	107	80	120			
Sample ID: C03100579-003A							10/16/03 14:32		
Matrix Spike Duplicate									
1,1,1-Trichloroethane	8.82	mg/m3	1.00	88.2	70	130	6.9	20	
1,1-Dichloroethene	10.8	mg/m3	1.00	108	70	130	4.8	20	
1,2-Dichloroethane	8.78	mg/m3	1.00	87.8	70	130	8.2	20	
1,4-Dichlorobenzene	8.98	mg/m3	1.00	89.8	70	130	7.6	20	
Benzene	10.1	mg/m3	1.00	101	70	130	5.7	20	
Bromodichloromethane	9.32	mg/m3	1.00	93.2	70	130	8.4	20	
Bromoform	8.81	mg/m3	1.00	88.1	70	130	10	20	
Carbon tetrachloride	8.95	mg/m3	1.00	89.5	70	130	7.5	20	
Chlorodibromomethane	8.63	mg/m3	1.00	86.3	70	130	9.6	20	
Chloroform	9.90	mg/m3	1.00	99	70	130	5.7	20	
Trichloroethene	9.57	mg/m3	1.00	95.7	70	130	7.0	20	
Vinyl chloride	10.6	mg/m3	1.00	106	70	130	4.4	20	
Surr: 1,2-Dichlorobenzene-d4			1.00	108	80	120	0	10	
Surr: Dibromofluoromethane			1.00	91.2	80	120	0	10	
Surr: p-Bromofluorobenzene			1.00	103	80	120	0	10	
Surr: Toluene-d8			1.00	107	80	120	0	10	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100579R0010



Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: WUC		Project Name, PWS #, Permit #, Etc.: 93007 HOBBS	
Report Address: 611 SKYLINE RD LARAMIE, WY 82070		Sampler Name if other than Contact: RIK DENEWELL	
Invoice Address: SAHE		Purchase Order #: 93007-5	
Report Required For: POTW/WWTP DW		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		Comments:	
Sample Type: A W S V B O Air Water Soils/Solids Vegetation Biossay Other		RUSH Turnaround (TAT)	
ANALYSIS REQUESTED		Normal Turnaround (TAT)	
SEE ATTACHED		SEE ATTACHED	
Number of Containers		SEE ATTACHED	
MATRIX		SEE ATTACHED	
Collection Date		Collection Time	
1 93007 - WP. 10/03		15:45	
2 93007 - AD. 10/03		16:00	
3 93007 - UST. 10/03		16:15	
4			
5			
6			
7			
8			
9			
10			
Custody Record MUST be Signed		Relinquished by: RIK DENEWELL Date/Time: 10/14/03 17:00	
Sample Disposal: _____ Return to client: _____		Shipped by: GPS Date/Time: 10/14/03 17:00	
LABORATORY USE ONLY		Received by: Theresa Scheep Date/Time: 10/15/03 1000	
LABORATORY USE ONLY		Received by: _____ Date/Time: _____	
Sample Type: _____ # of fractions: _____		LABORATORY USE ONLY	

100579R0011
TRACKING NO. PAGE NO.

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: WSTRN-WTR-CNSLTNTS-LR

Date and Time Received: 10/15/2003 10:00:00

Work Order Number C03100579

Received by: trs

Checklist completed by Tammie Scheetz 10/15/03
Signature Date

Reviewed by _____
Initials Date

Carrier name: UPS

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

Adjusted? _____ Checked by _____

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

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

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

TRACKING NO. PAGE NO.
100579R0012



ANALYTICAL SUMMARY REPORT

October 20, 2003

Rick Deuell

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C03100579

Project Name: 93007 Hobbs

Energy Laboratories Inc. received the following 3 samples from Western Water Consultants on 10/15/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C03100579-001	93007-WP.10/03	10/14/03 15:45	10/15/03	Air	SW8260B VOCs, Standard List
C03100579-002	93007-AD.10/03	10/14/03 16:00	10/15/03	Air	Same As Above
C03100579-003	93007-UST.10/03	10/14/03 16:15	10/15/03	Air	Same As Above

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

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

Report Approved By:

TRACKING NO. PAGE NO.

100579R0013



Date: 20-Oct-03

CLIENT: Western Water Consultants
Project: 93007 Hobbs
Sample Delivery Group: C03100579

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

SUBCONTRACTING ANALYSIS

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

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

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

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

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

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

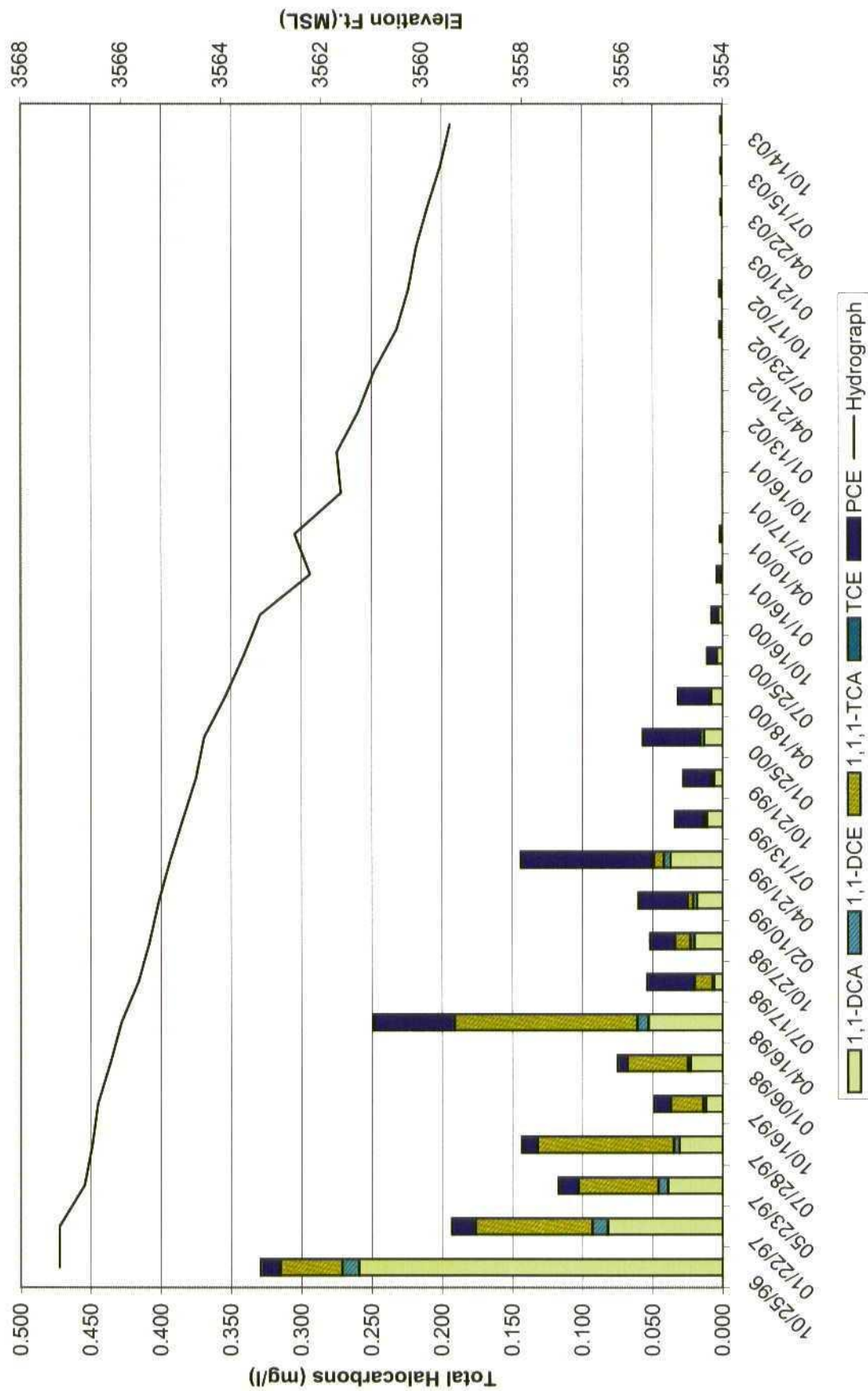
TRACKING NO. PAGE NO.

100579R0016

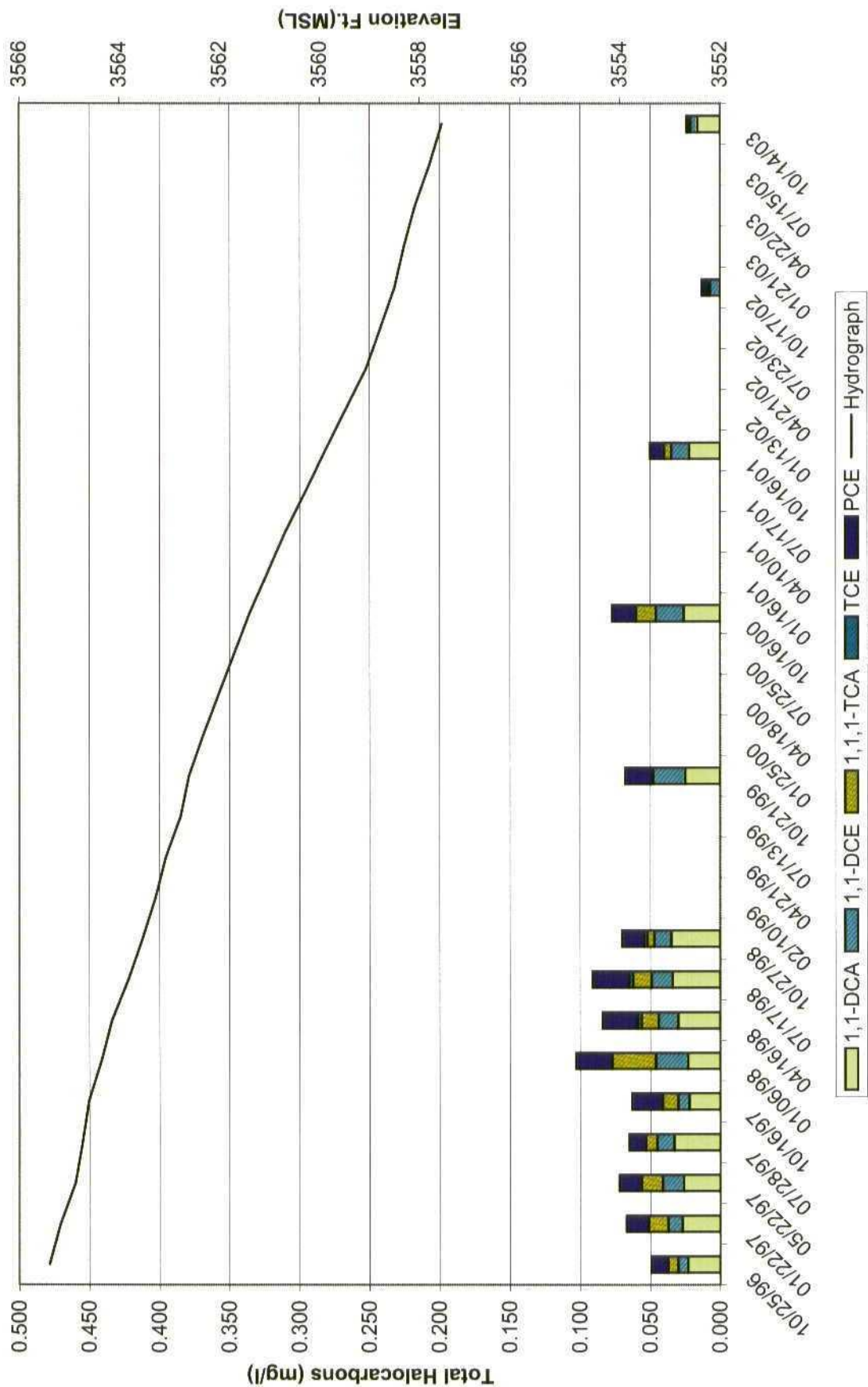
APPENDIX B

Halocarbons and Ground-water Level Plots

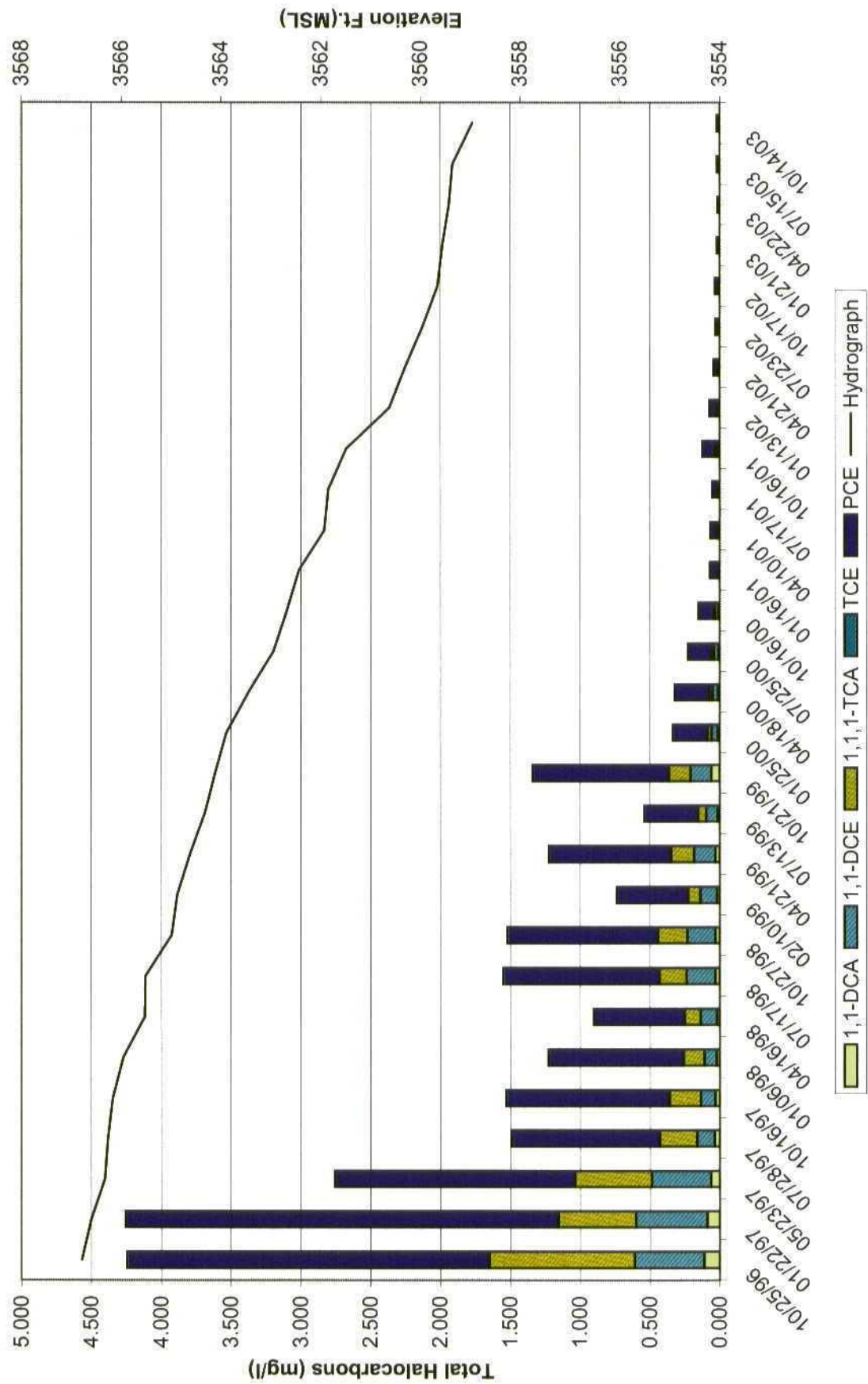
Monitoring Well MW-2



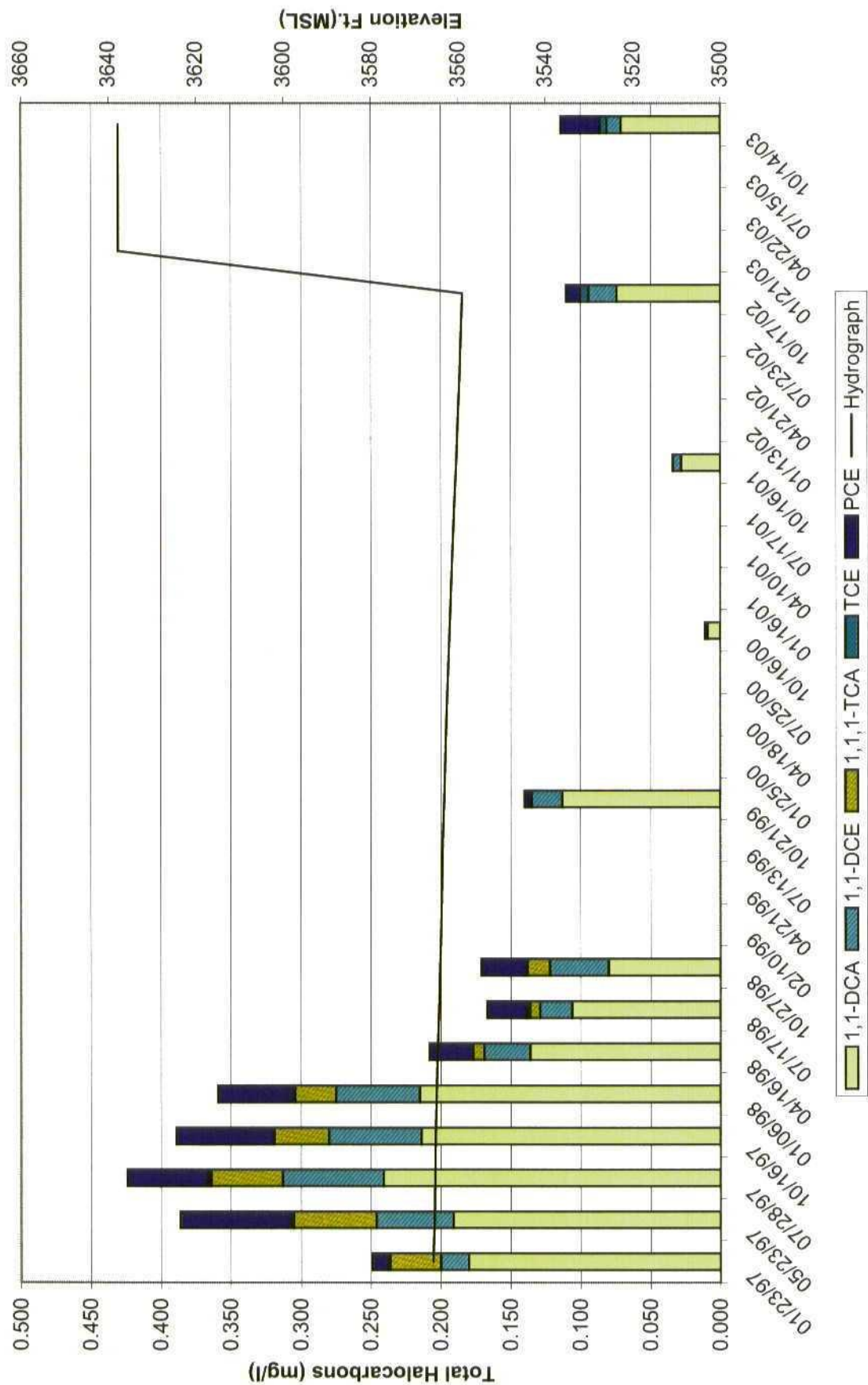
Monitoring Well MW-3



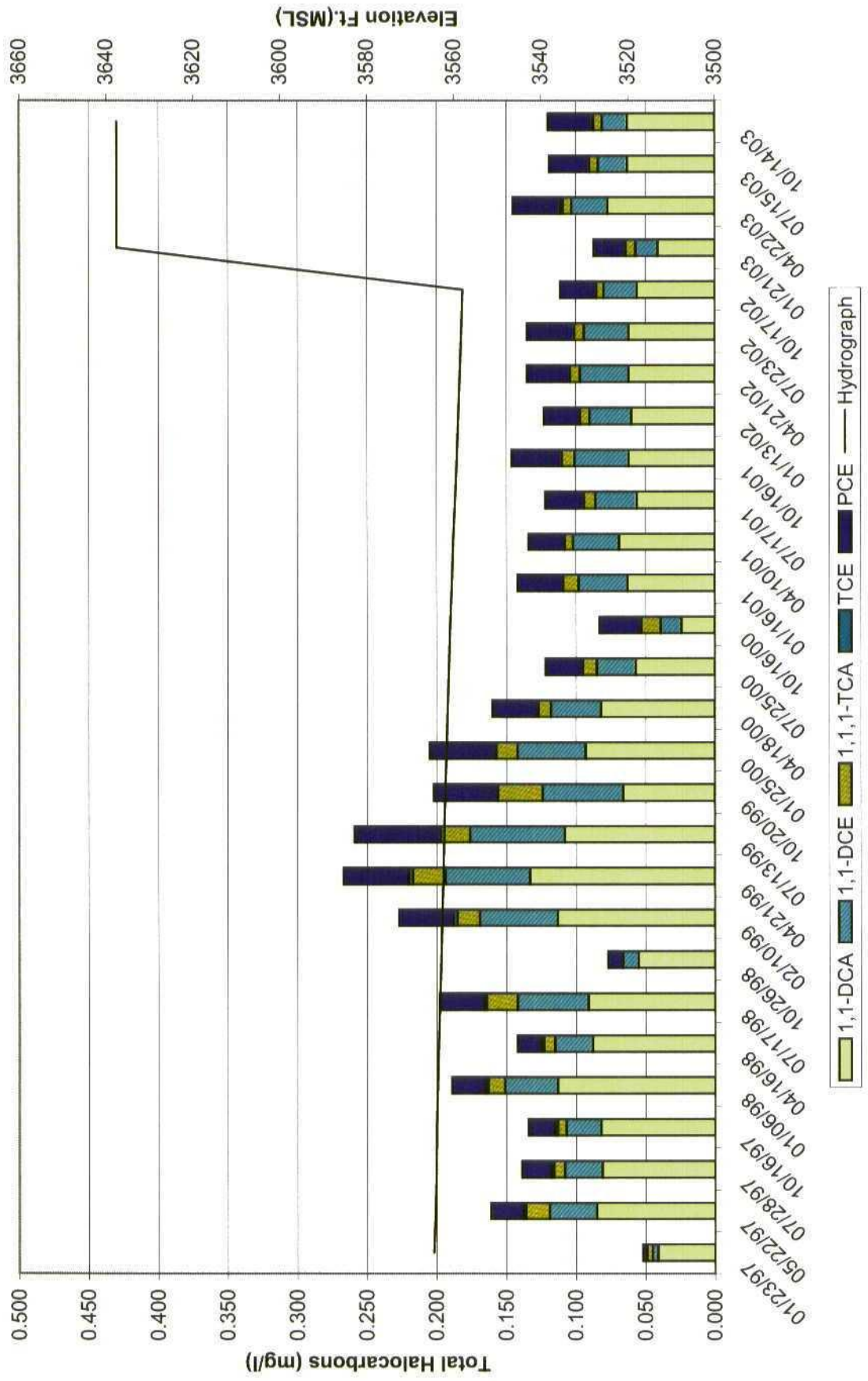
Monitoring Well MW-4



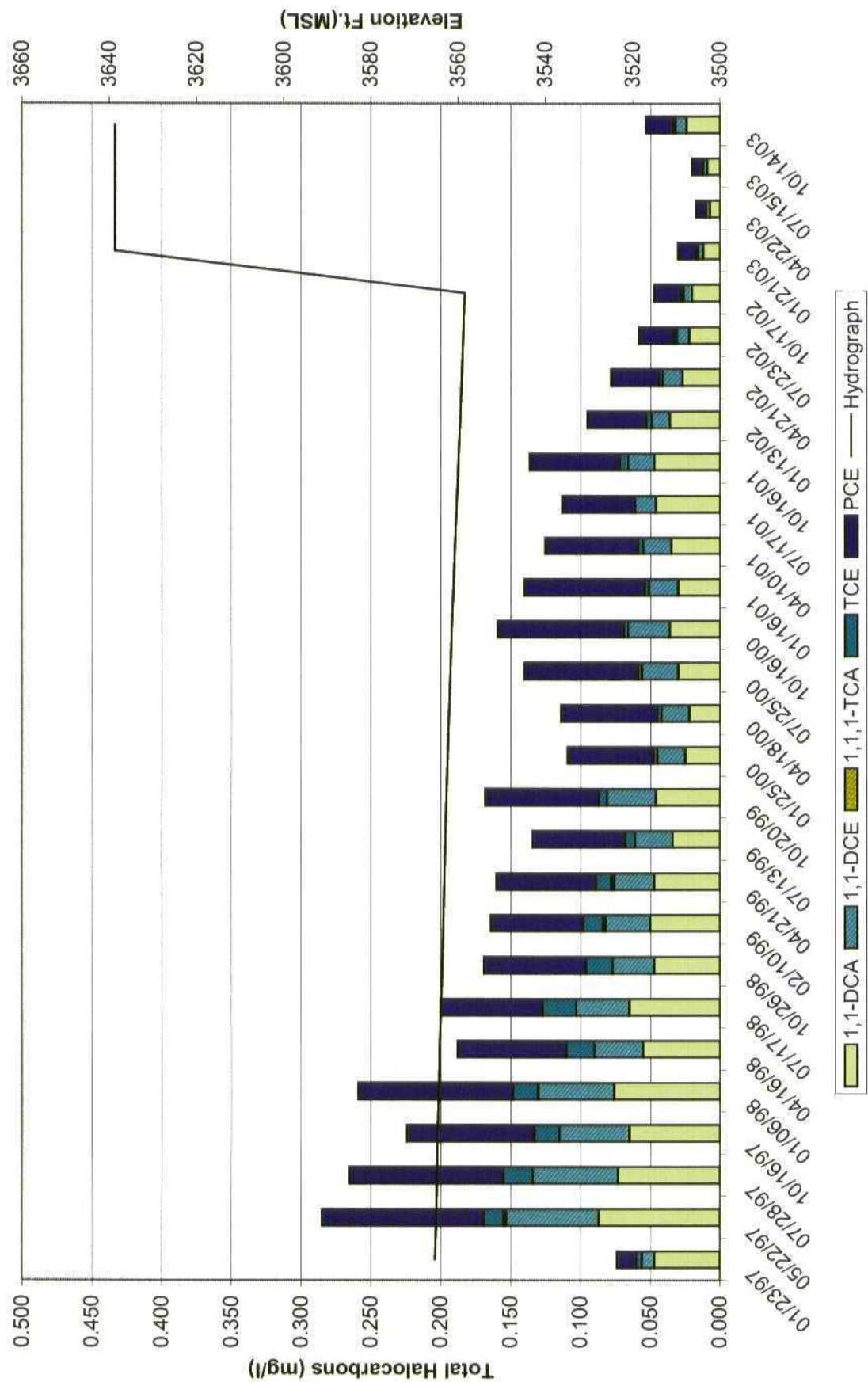
Monitoring Well MW-5



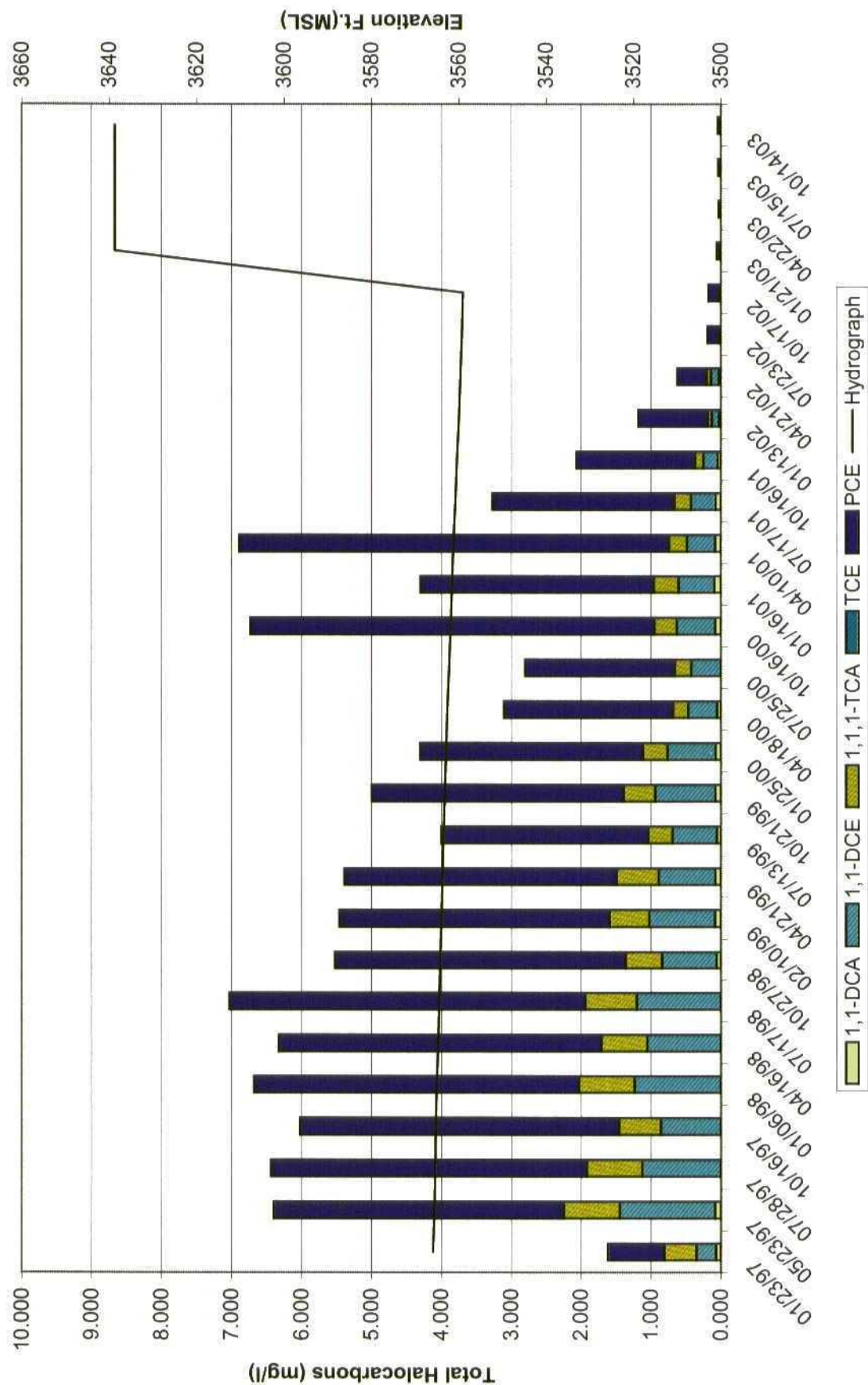
Monitoring Well MW-6



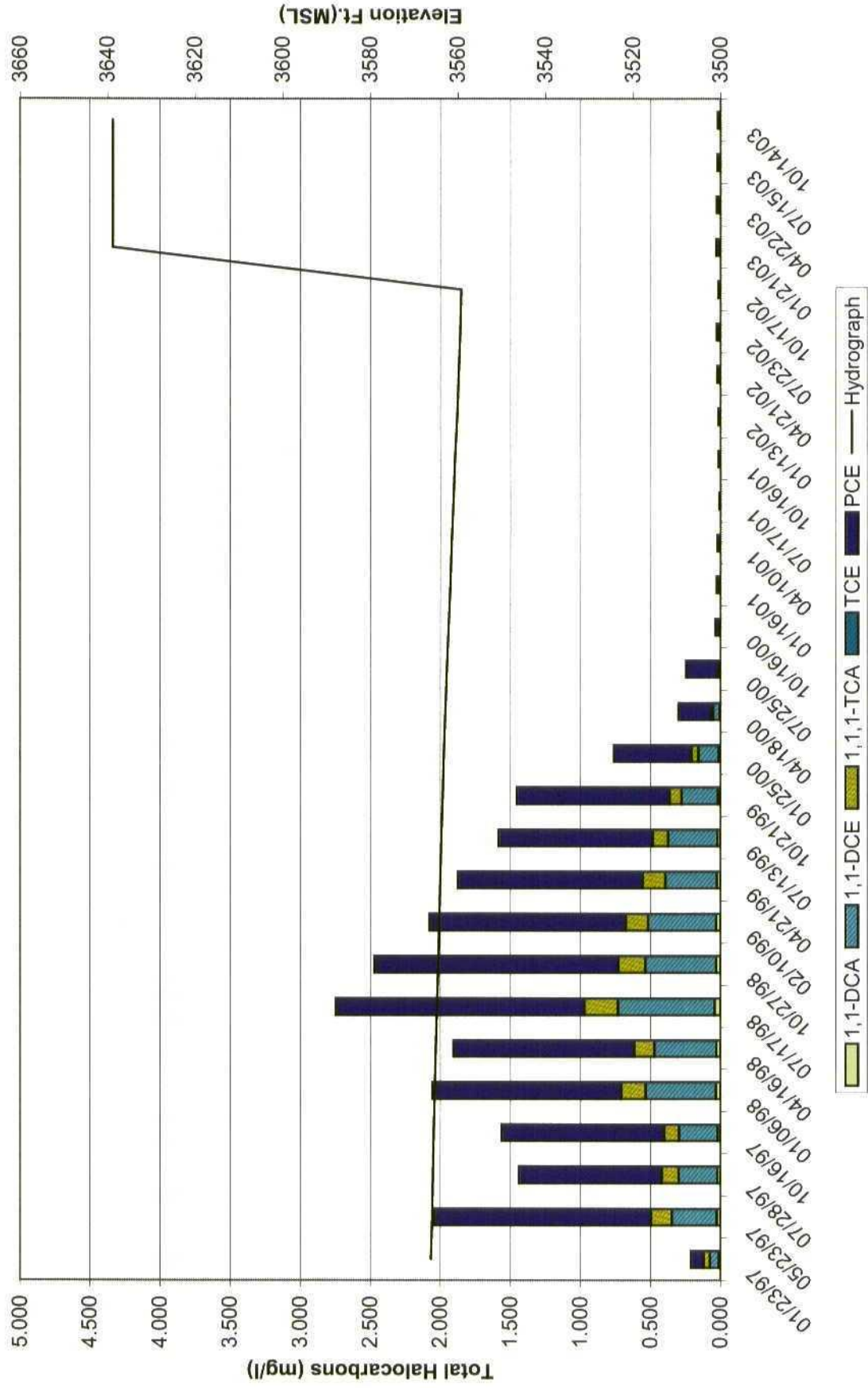
Monitoring Well MW-7



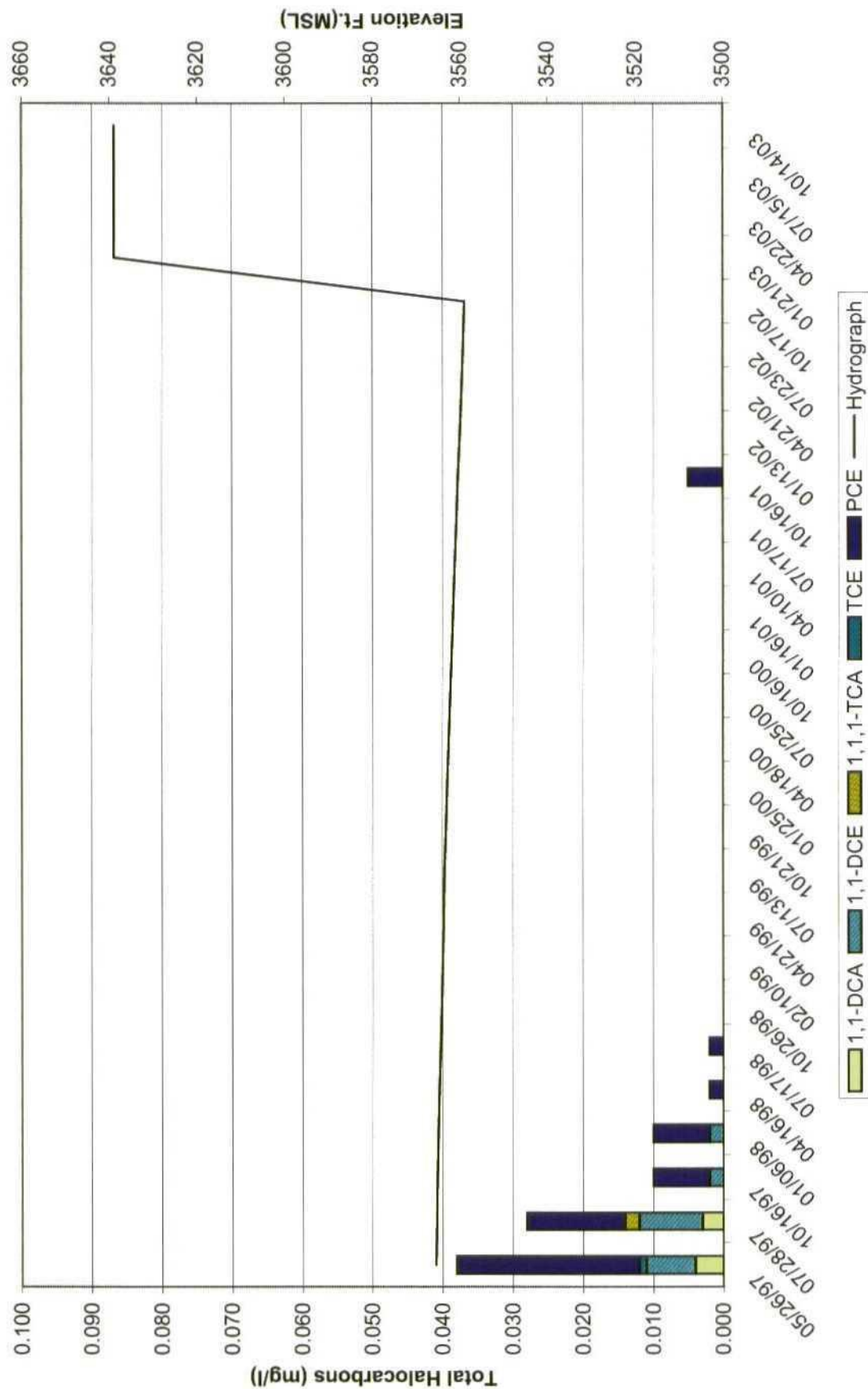
Monitoring Well MW-8



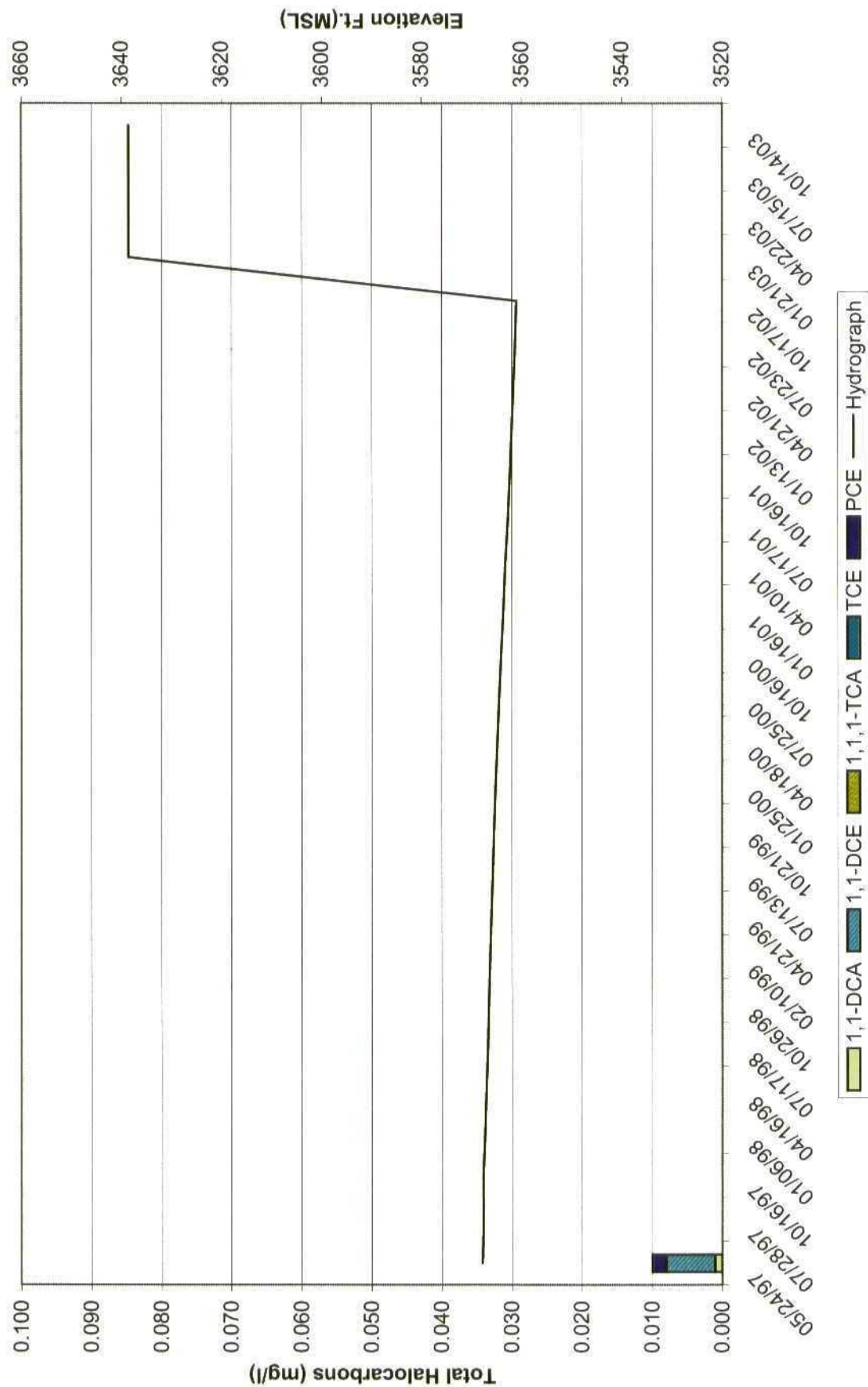
Monitoring Well MW-9



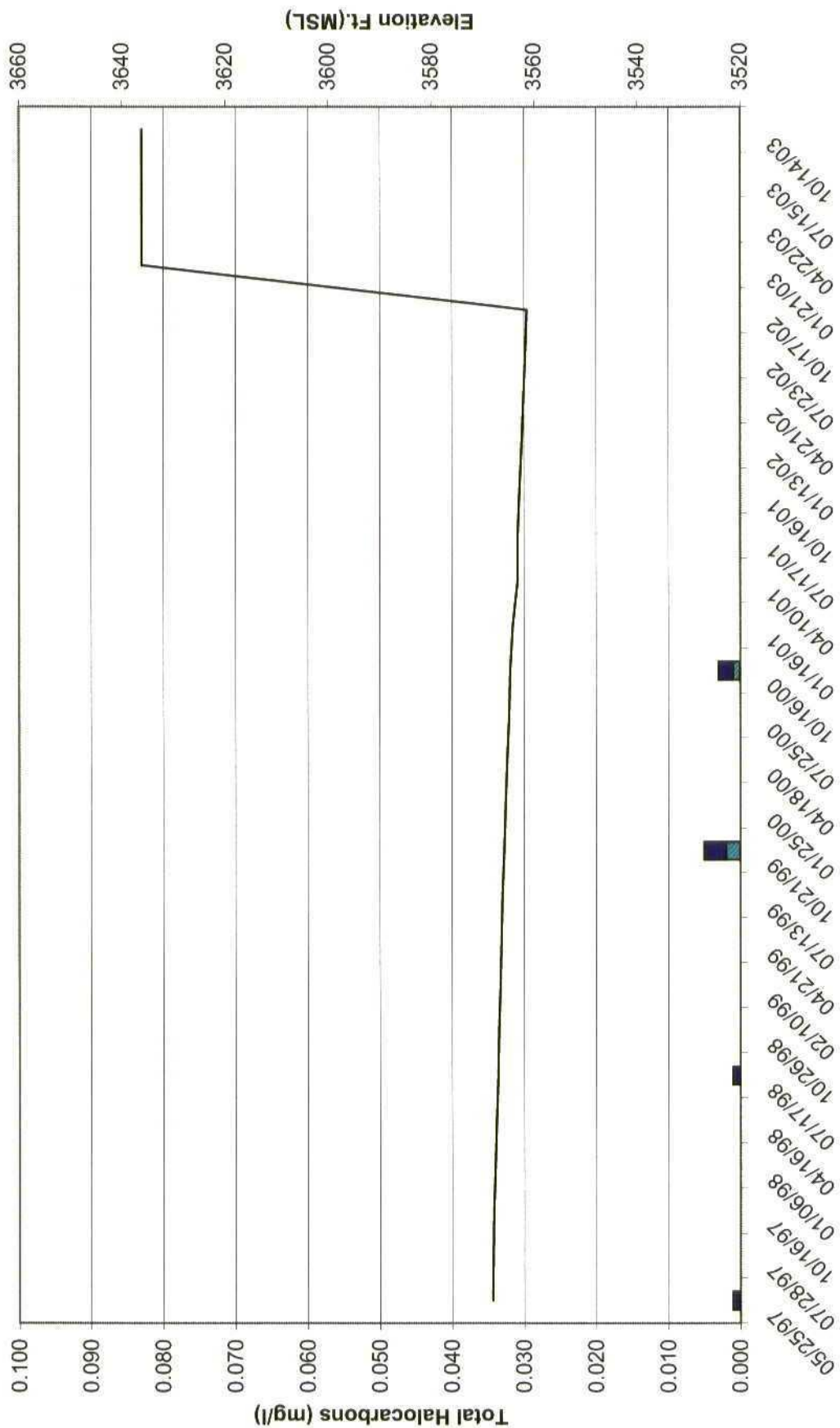
Monitoring Well MW-10

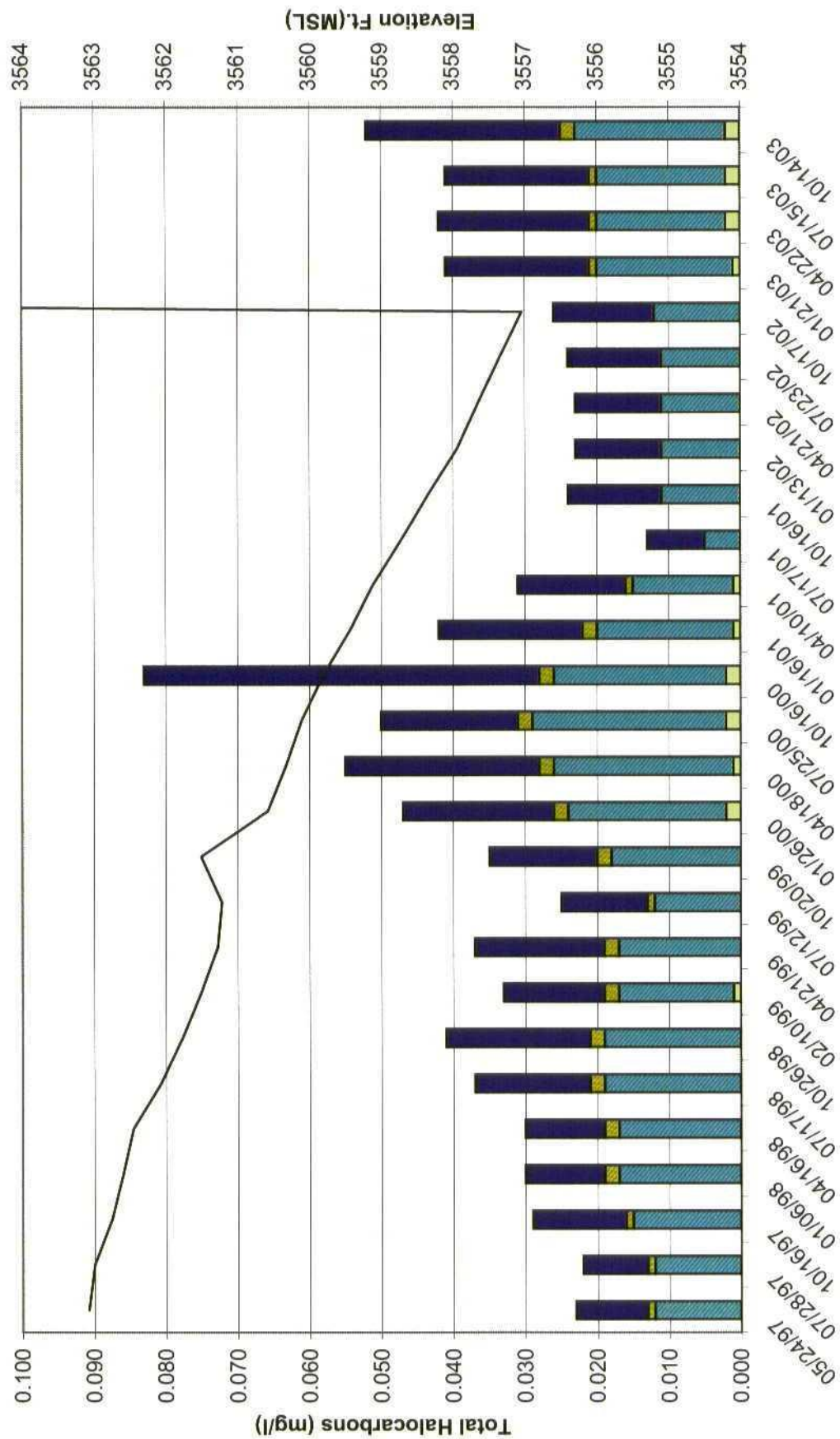


Monitoring Well MW-11

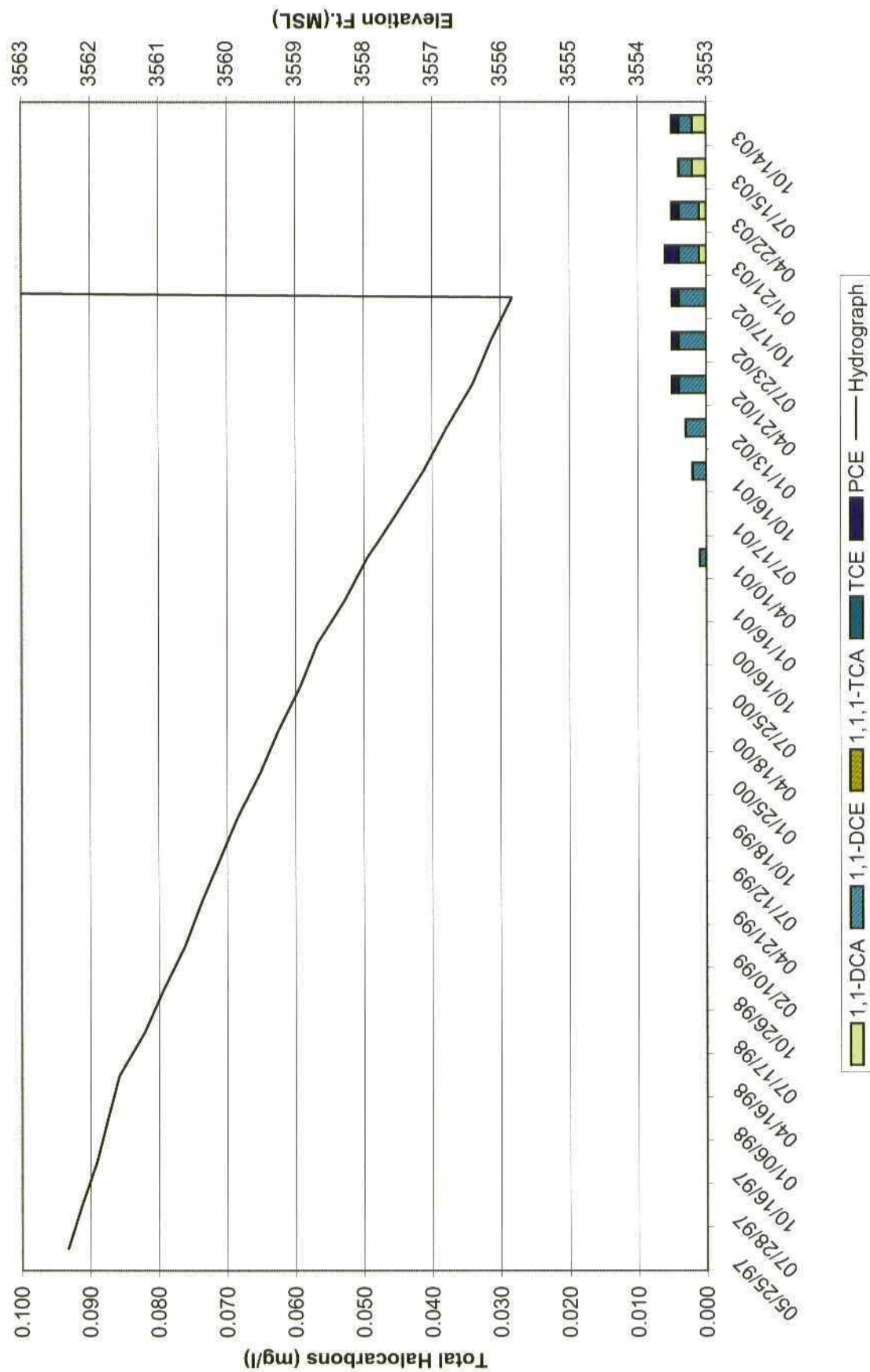


Date	Total Halocarbons (mg/l)	Elevation Ft.(MSL)
05/25/97	0.000	3530
07/28/97	0.000	3530
10/16/97	0.000	3530
04/06/98	0.000	3530
07/17/98	0.000	3530
10/26/98	0.000	3530
02/10/99	0.000	3530
04/21/99	0.000	3530
07/13/99	0.000	3530
10/21/99	0.000	3530
01/25/00	0.005	3530
04/18/00	0.005	3530
07/25/00	0.005	3530
10/16/00	0.005	3530
01/16/01	0.005	3530
04/10/01	0.005	3530
07/17/01	0.005	3560
10/16/01	0.005	3560
01/13/02	0.005	3560
04/21/02	0.005	3560
07/23/02	0.005	3560
10/17/02	0.005	3560
01/21/03	0.005	3560
04/22/03	0.005	3560
07/15/03	0.005	3560
10/14/03	0.005	3560

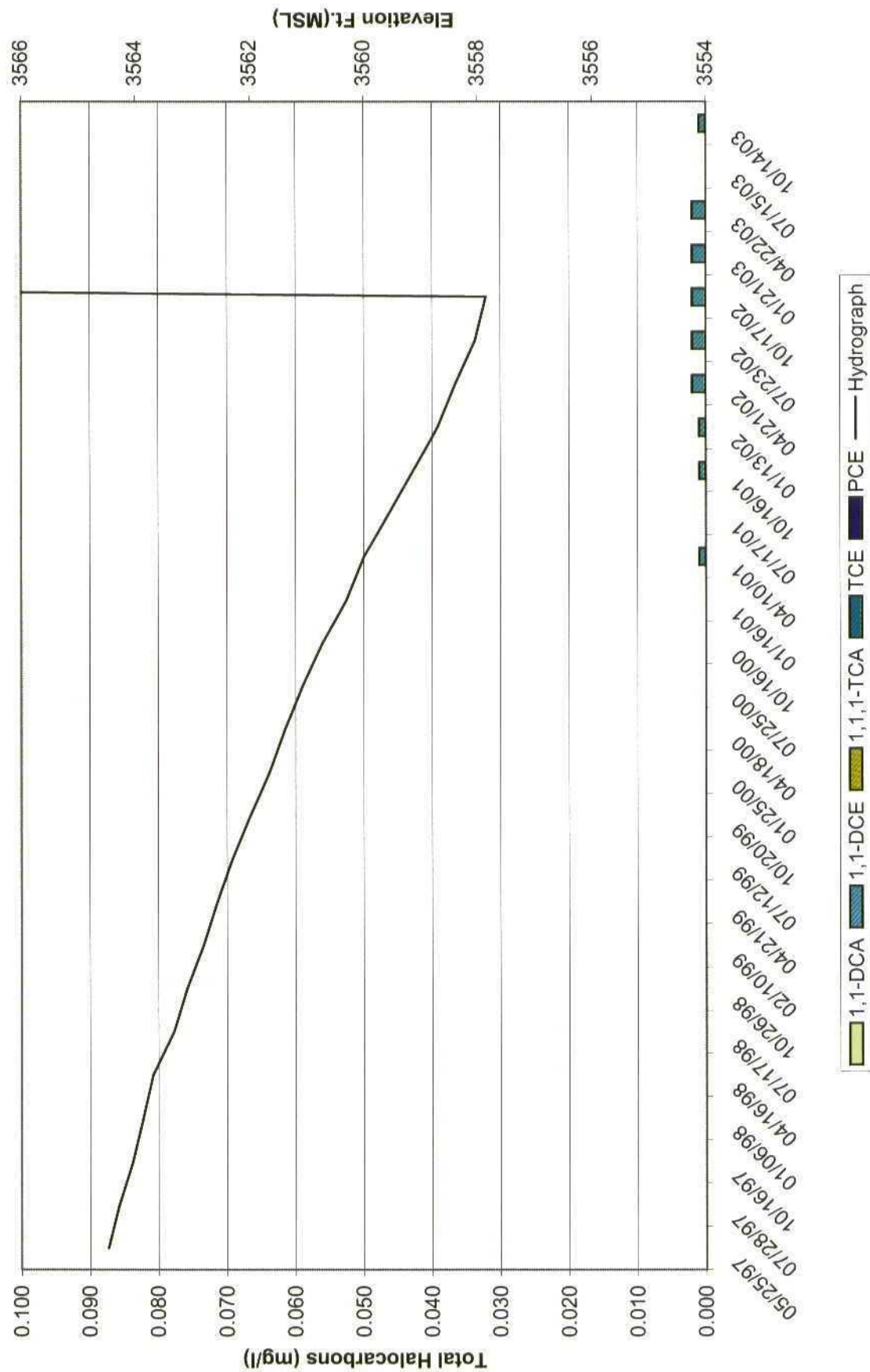




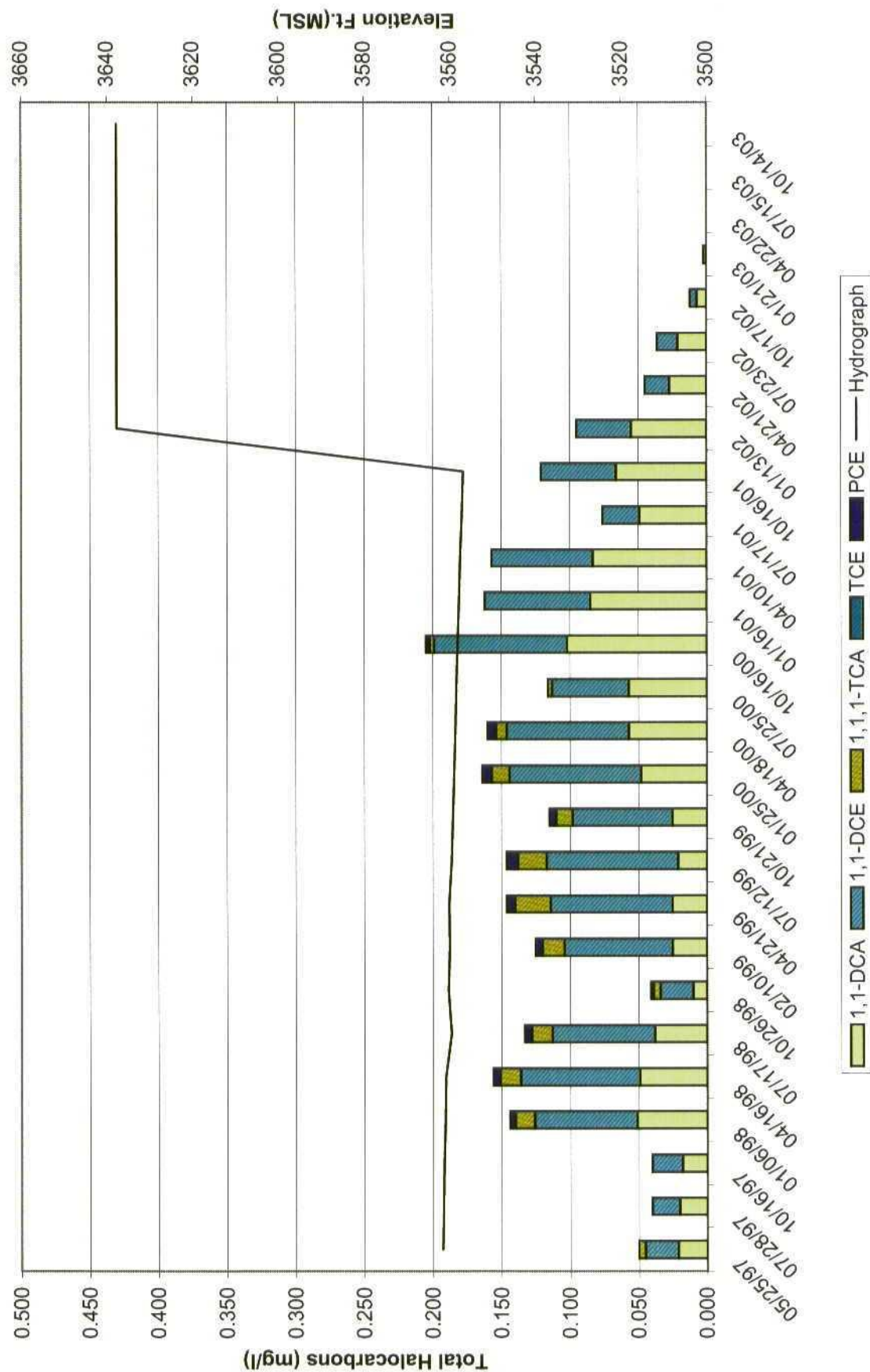
Monitoring Well MW-14



Monitoring Well MW-15



Monitoring Well MW-SO4



***2002 ANNUAL REPORT
SCHLUMBERGER OILFIELD SERVICES
HOBBS, NEW MEXICO***

February 27, 2003

Prepared For:

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- B – Halocarbons and Ground-water Level Plots

1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents monitoring and remedial activities performed in 2002 at the Schlumberger Oilfield Services Facility in Hobbs, New Mexico (Figures 1 and 2). Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2002 consisted of air and ground-water monitoring, and routine remediation system operation and maintenance. The following sections provide an overview of the field work performed, discussion of the data, and recommendations for 2003.

2.0 GROUND-WATER MONITORING

2.0 GROUND-WATER MONITORING

Ground-water monitoring was performed quarterly in 2002 by WWC personnel. The fourth quarter monitoring event was performed October 17, 2002. Results of the previous sampling events for 2002 were presented in reports to the New Mexico Oil and Conservation Division (NMOCD) dated March 22, 2002; May 29, 2002; and September 4, 2002.

2.1 Static Water Level

Static water levels were measured quarterly in 2002 using an oil/water interface probe. The probe was decontaminated between wells with Simple Green and a distilled water rinse. Fourth quarter water level measurements are presented in Table 1, along with historic water level data for comparison. Free product has never been detected at this site.

A map of the potentiometric surface generated from the fourth quarter water level elevations is presented as Figure 3. The ground-water flow direction continues to flow to the northeast with a hydraulic gradient of 0.006 consistent with earlier determinations of ground-water flow. Ground-water elevations decreased an average of approximately 1.5 feet over the past year. This is a trend that has been observed since the first wells were installed in 1996.

2.2 Ground-water Sampling

Ground-water samples were collected from monitoring wells MW-2, 4, 6, 7, 8, 9, 13, 14, 15, and the Shell Station monitoring well (MW-4) the first three quarters in 2002. During the fourth quarter monitoring event, ground-water samples were collected from all monitoring wells. A minimum of three well volumes of ground-water were purged from each well using a Redi-flow submersible pump. The submersible pump was decontaminated with a Simple Green solution and clean water rinse between wells. Purge water was placed into two galvanized steel stock tanks on site and allowed to evaporate.

Ground-water samples were collected using disposable polyethylene bailers and analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-2 and MW-12. The analytical results for the fourth quarter monitoring event are provided in Table 2 along with historical data for comparison. Laboratory analytical reports for the fourth quarter monitoring event are presented as Appendix A.

***3.0 SOIL VAPOR EXTRACTION
SYSTEM MONITORING***

3.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

Air samples were collected quarterly from the three soil vapor extraction (SVE) systems in 2002 and analyzed for volatile organics by EPA Methods 8260. Results of the air quality monitoring are provided on Table 3 along with historical data for comparison. Laboratory data reports are presented as Appendix A. As expected, concentrations in the air being removed is declining. At the former UST System, halocarbons continue to be removed. At the former Waste Pond System, both aromatic and halocarbon compounds are removed. Concentrations in the air at the Acid Dock System are below detectable levels.

4.0 DISCUSSION

4.0 DISCUSSION

Constituents detected in the ground-water at the Hobbs facility are declining. Each monitoring well that has had detections in the past now exhibits an overall downward trend. Concentrations of aromatic hydrocarbon have declined to the extent that ground-water at monitoring well MW-5 is the only location with detectable BTEX constituents. Even at this location concentrations are extremely low with only Benzene at 0.017 mg/l being slightly above the MCL of 0.005 mg/l. BTEX constituents in the area of the former wastewater collection pond have not been detected in the ground-water at MW-2 since 2000.

As shown on Table 2, halocarbons remain consistent with historic declining trends in most monitoring wells. Halocarbon concentrations have shown a decline in the ground-water at monitoring wells MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, and MW-SO4. Low concentrations of halocarbons continue to be detected in MW-13 cross-gradient of the facility. Plots were constructed for static water level versus various halocarbon concentrations to illustrate the declines and/or stabilization of constituents at individual wells (Appendix B). An isoconcentration map for total halocarbons (Figure 4) was constructed with the fourth quarter water quality data. As shown the highest concentrations are declining significantly, yet remain in the areas of MW-8 and MW-6, consistent with previous distribution patterns.

SVE and air-spargers systems at the Hobbs facility have run essentially 100 percent of the time during 2002 as shown on Figures 5 and 6. Air quality monitoring indicates both BTEX and halocarbon constituents continue to be removed in the former wastewater collection area. As shown on Table 3, total concentrations have declined from high levels of 425.8 parts per million (ppm) BTEX and 680.7 ppm halocarbons in 1995 to 6.6 ppm BTEX and 4.6 ppm halocarbons in October 2002. The decline of these constituents in air samples and in the water quality monitoring at MW-2 indicates the area is being successfully remediated. MW-2 is now below MCL's for all constituents.

BTEX constituents detected in air samples from the former UST area remain at nondetect levels, while halocarbons have declined from a high level of 1379.58 ppm in 1995 to 13.8 in October 2002 (Table 3). As shown on Table 2, halocarbons in MW-4 have declined from a high level of 5.9 ppm in 1996 to a low of 0.031 ppm in 2002. In the downgradient well MW-9, halocarbons have declined from greater than 2 ppm in 1997 and 1998, to 0.017 ppm in October 2002. Continued SVE

and air sparging of the soil and water should facilitate further declines of halocarbon constituents in the ground-water at this area.

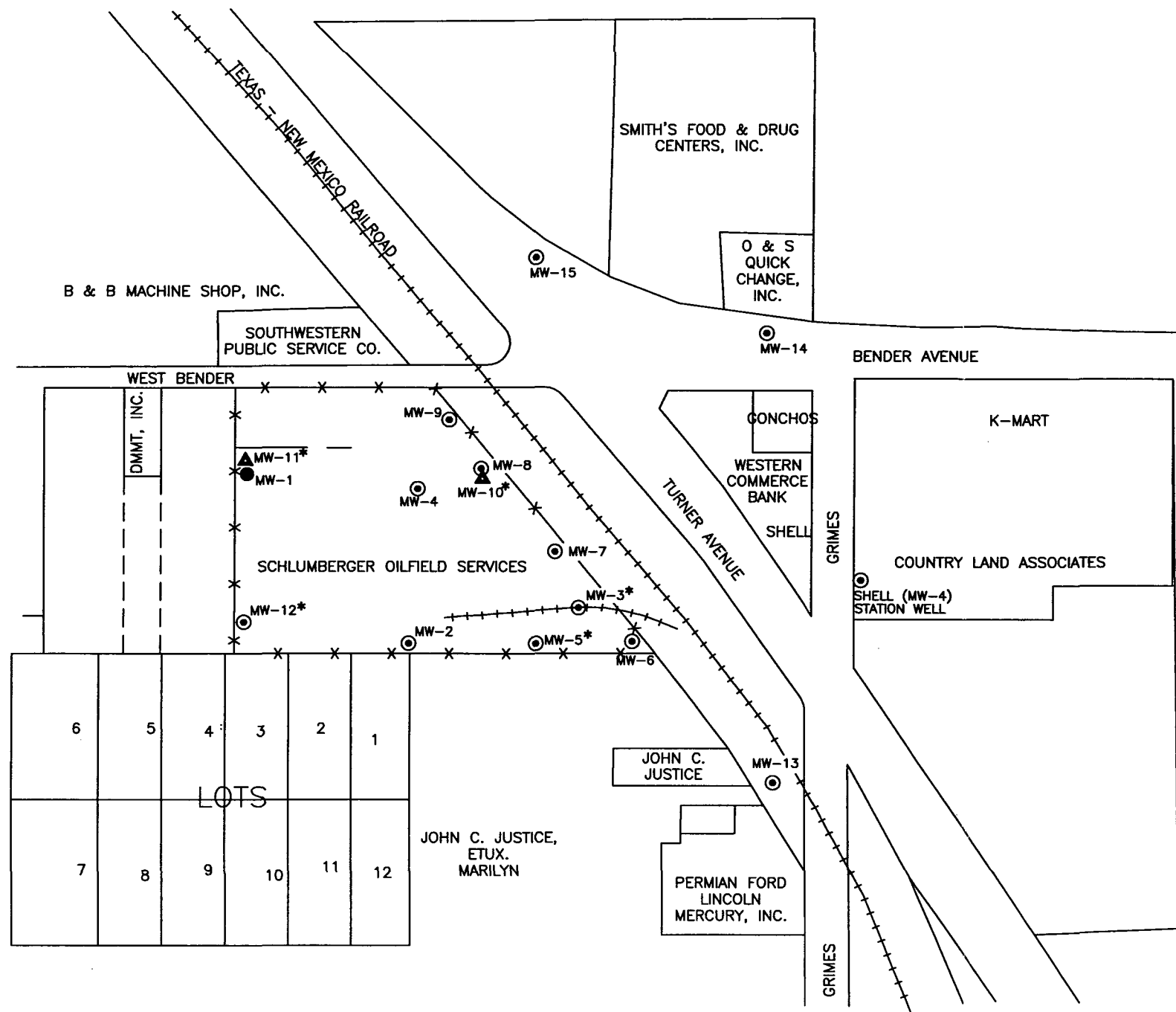
Air samples collected from the acid plant SVE system were nondetect for both BTEX and halocarbon constituents in 2002. However constituents detected in the ground-water at monitoring wells MW-3, MW-5, MW-6, and MW-7 have either declined or remained relatively stable.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

As mentioned previously, hydrocarbons remain below MCL's in the ground-water at perimeter monitoring wells MW-14, MW-15, and MW-SO4. Hydrocarbons and chlorocarbons have been declining in the former wastewater collection area and former UST and have either declined or stabilized in the acid plant area. Dowell recommends that the quarterly ground-water monitoring schedule remain unchanged with monitoring wells MW-3, MW-5, MW-10, MW-11, and MW-12 to be sampled only during the fourth quarter. Static water levels are proposed to be collected from all monitoring wells on a quarterly basis. Operation of the Acid Dock SVE, Waste Pond SVE, and the UST SVE and air-sparg system will continue.

FIGURES



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

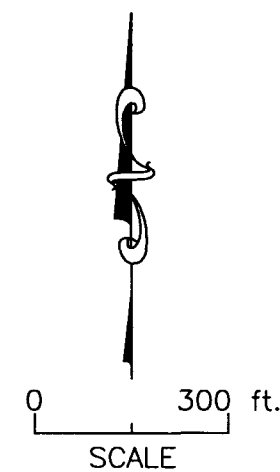
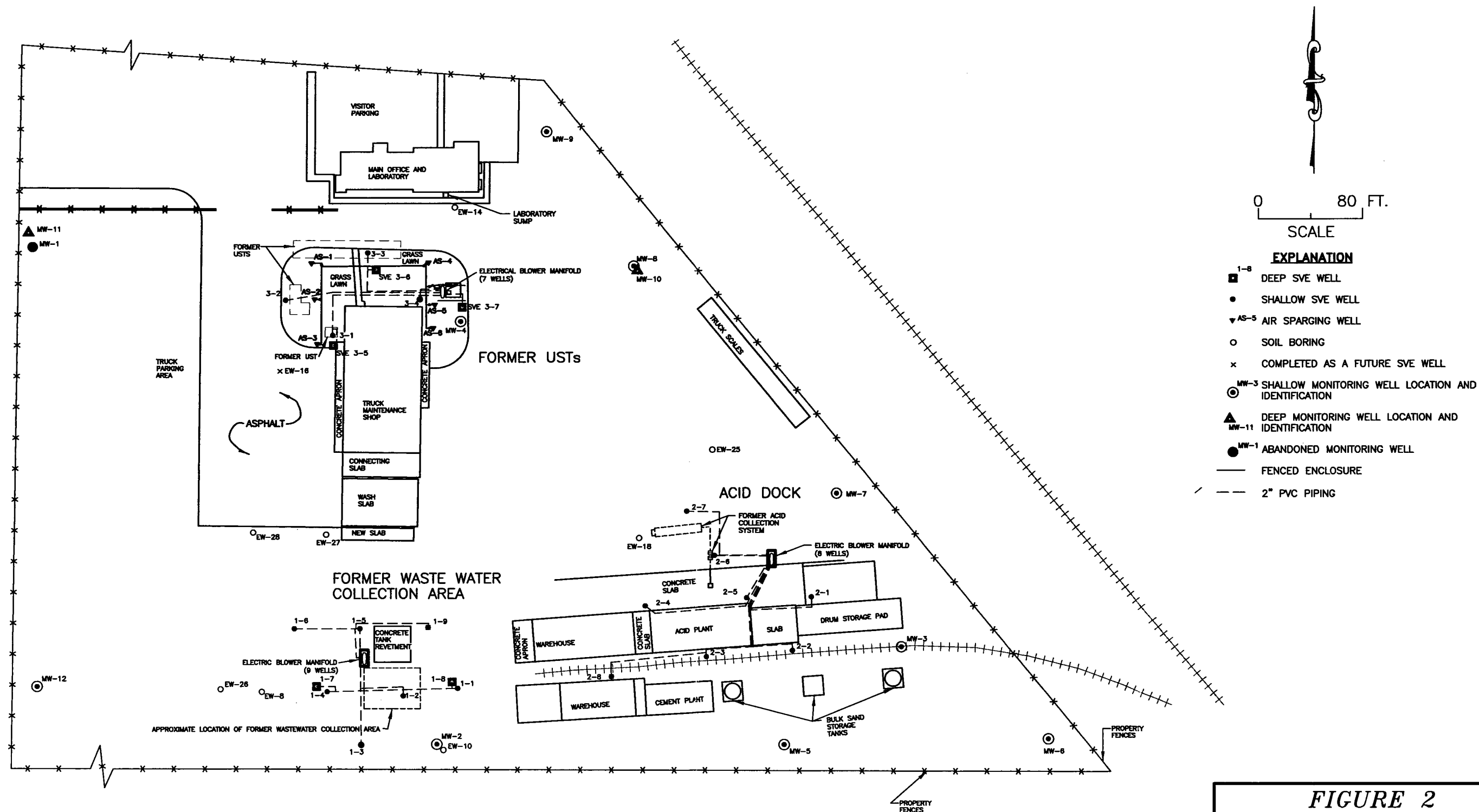


FIGURE 1

MONITORING WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

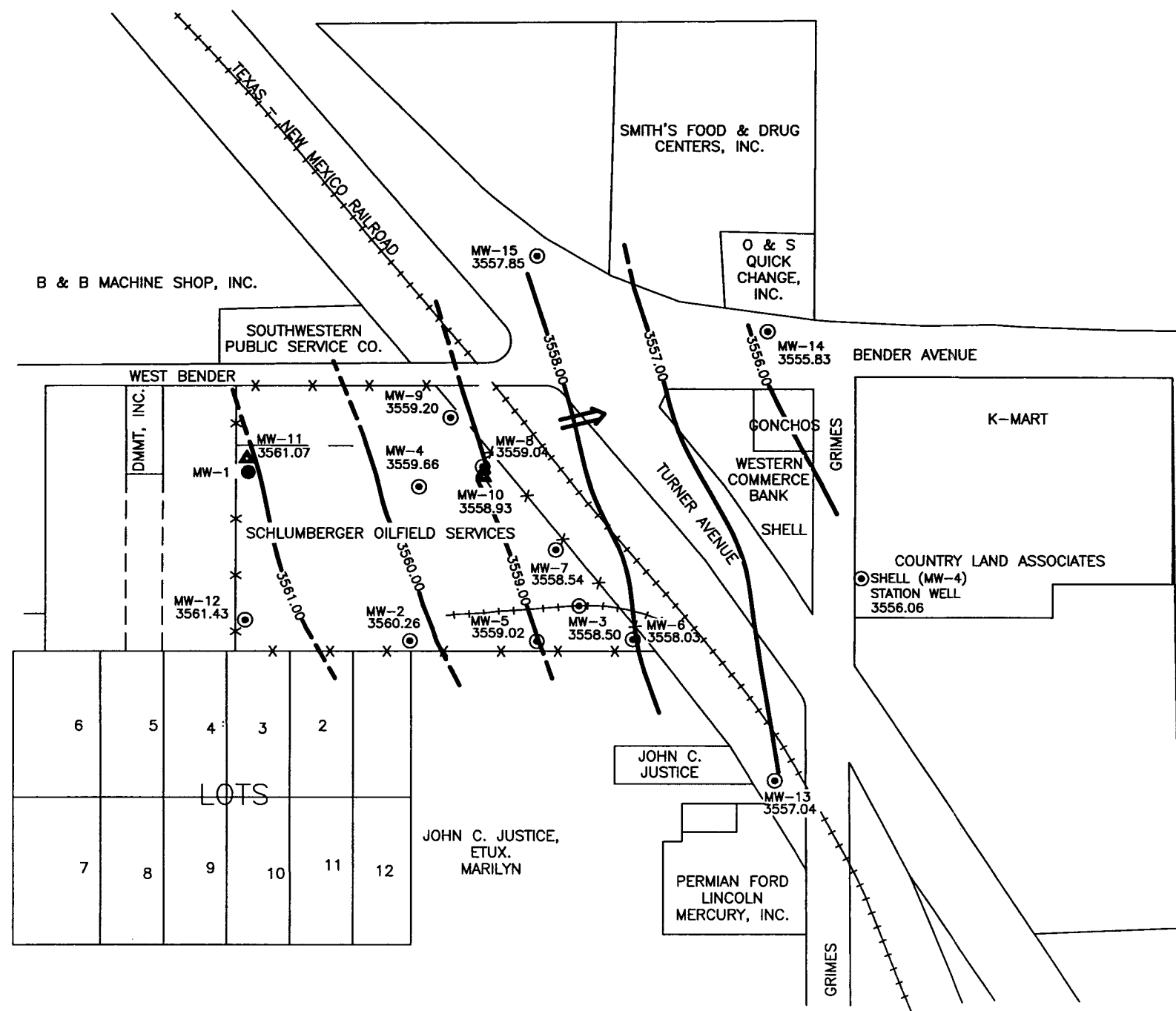
WWCENGINEERING



0 80 FT.
SCALE

- FIGURE 2**
SITE MAP AND
MONITORING AND REMEDIATION
WELL LOCATIONS
- SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING



EXPLANATION

- MW-14 3555.83 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 3561.07 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 --- POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- ← GROUND-WATER FLOW DIRECTION

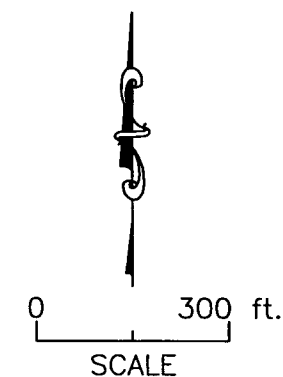
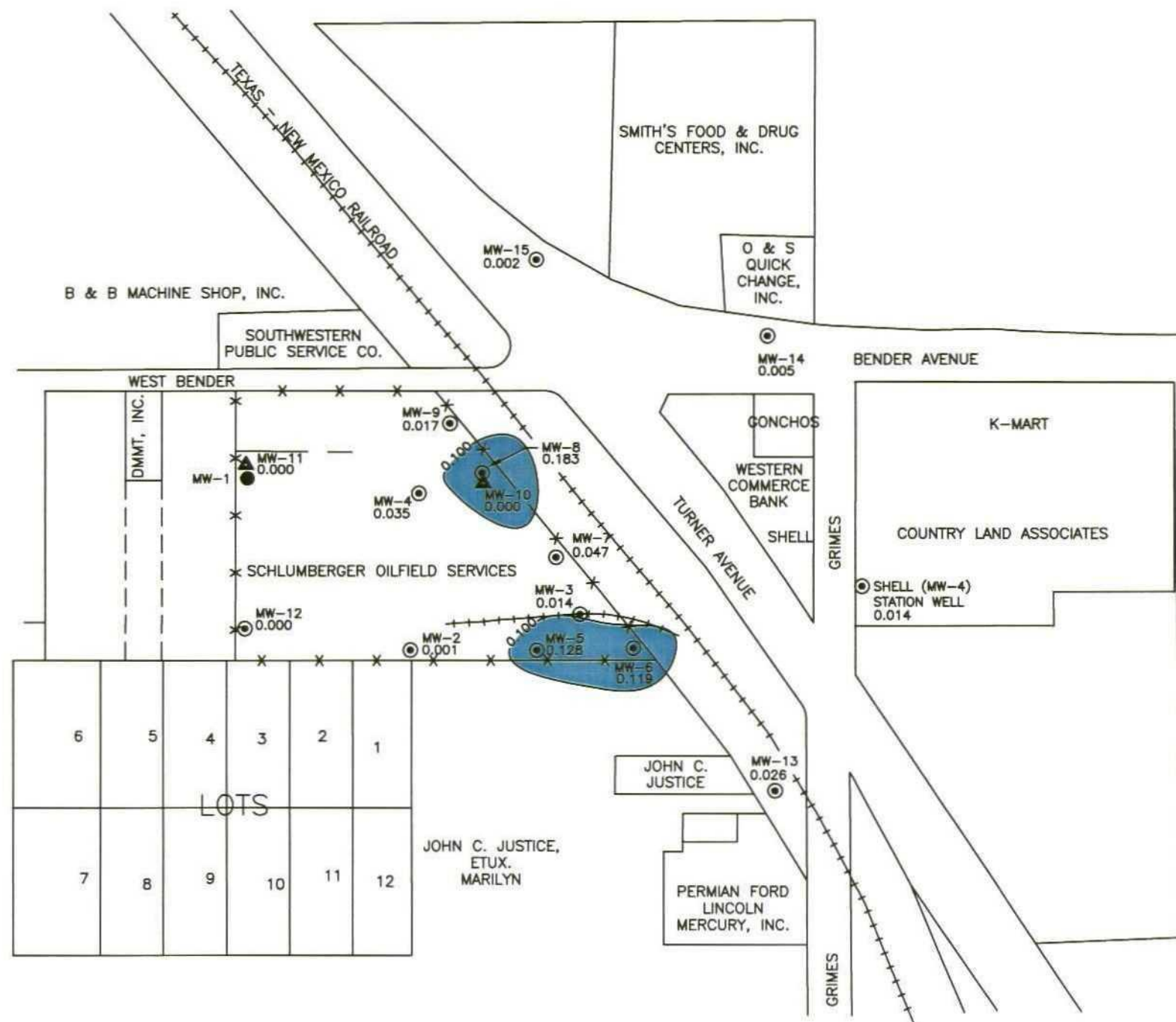


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(10/17/02)

SCHLUMBERGER OILFIELD SERVICES
HOBBBS, NM

WWCENGINEERING



EXPLANATION

- MW-8 0.634 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 0.000 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00' TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

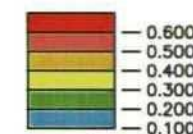


FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(10/17/02)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WWCENGINEERING

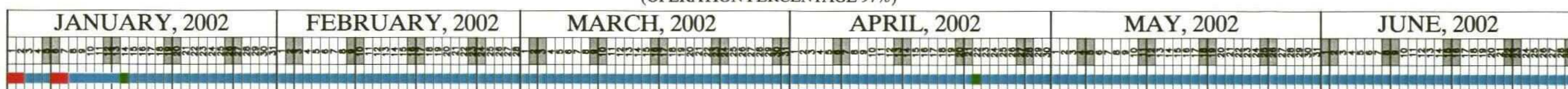
FORMER WASTE WATER LAGOON, UNIT 1

(OPERATION PERCENTAGE 96%)



ACID DOCK, UNIT 2

(OPERATION PERCENTAGE 97%)



FORMER USTs, UNIT 3

(OPERATION PERCENTAGE 88%)



EXPLANATION

- UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
- UNIT IS NOT OPERATING
- AIR SAMPLES COLLECTED

FIGURE 5

SVE OPERATION TIMELINE
01/01/02 THRU 06/30/02

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

 **WWC**ENGINEERING

FORMER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



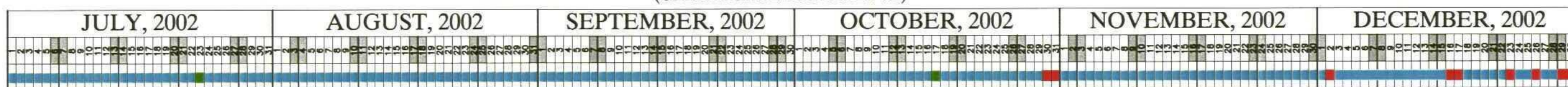
ACID PLANT, UNIT 2

(OPERATION PERCENTAGE 99%)



FORMER UST, UNIT 3

(OPERATION PERCENTAGE 94%)



EXPLANATION

-  UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
-  UNIT IS NOT OPERATING
-  AIR SAMPLES COLLECTED

FIGURE 6
SVE OPERATION TIMELINE
07/01/02 THRU 12/31/02

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

 **WWC**ENGINEERING

TABLES

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
		01/16/01		75.04	3562.22	-1.00
		04/10/01		74.73	3562.53	0.31
		07/17/01		75.65	3561.61	-0.92
		10/16/01		75.57	3561.69	0.08
		01/13/02		76.00	3561.26	-0.43
		04/21/02		76.32	3560.94	-0.32
		07/23/02		76.76	3560.50	-0.44
		10/17/02		77.00	3560.26	-0.24
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
		01/16/01		77.24	3561.04	-0.36
		04/10/01		77.59	3560.69	-0.35
		07/17/01		78.00	3560.28	-0.41
		10/16/01		78.39	3559.89	-0.39

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-3 (Cont.)		01/13/02		78.80	3559.48	-0.41
		04/21/02		79.21	3559.07	-0.41
		07/23/02		79.50	3558.78	-0.29
		10/17/02		79.78	3558.50	-0.28
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11
		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
		01/16/01		76.76	3562.44	-0.24
		04/10/01		77.27	3561.93	-0.51
		07/17/01		77.35	3561.85	-0.08
		10/16/01		77.71	3561.49	-0.36
		01/13/02		78.57	3560.63	-0.86
		04/21/02		78.89	3560.31	-0.32
		07/23/02		79.24	3559.96	-0.35
		10/17/02		79.54	3559.66	-0.30
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
		01/16/01		76.04	3561.66	-0.36
		04/10/01		76.38	3561.32	-0.34

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-5 (Cont.)		07/17/01		76.82	3560.88	-0.44
		10/16/01		77.24	3560.46	-0.42
		01/13/02		77.62	3560.08	-0.38
		04/21/02		78.04	3559.66	-0.42
		07/23/02		78.30	3559.40	-0.26
		10/17/02		78.68	3559.02	-0.38
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
		01/16/01		77.00	3560.52	-0.36
		04/10/01		77.34	3560.18	-0.34
		07/17/01		77.77	3559.75	-0.43
		10/16/01		78.16	3559.36	-0.39
		01/13/02		78.56	3558.96	-0.40
		04/21/02		78.90	3558.62	-0.34
		07/23/02		79.23	3558.29	-0.33
		10/17/02		79.49	3558.03	-0.26
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26
		01/25/00		76.23	3562.39	-0.29
		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
		01/16/01		77.55	3561.07	-0.39
		04/10/01		77.88	3560.74	-0.33

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-7 (Cont.)		07/17/01		78.29	3560.33	-0.41
		10/16/01		78.68	3559.94	-0.39
		01/13/02		79.12	3559.50	-0.44
		04/21/02		79.48	3559.14	-0.36
		07/23/02		79.79	3558.83	-0.31
		10/17/02		80.08	3558.54	-0.29
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37
		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.80	3561.91	-0.32
		01/16/01		77.18	3561.53	-0.38
		04/10/01		77.49	3561.22	-0.31
		07/17/01		77.92	3560.79	-0.43
		10/16/01		78.26	3560.45	-0.34
		01/13/02		78.74	3559.97	-0.48
		04/21/02		79.11	3559.60	-0.37
		07/23/02		79.42	3559.29	-0.31
		10/17/02		79.67	3559.04	-0.25
MW-9	3638.76	01/22/97	85	72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
		01/16/01		77.03	3561.73	-0.41
		04/10/01		77.34	3561.42	-0.31

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-9 (Cont.)		07/17/01		77.77	3560.99	-0.43
		10/16/01		78.11	3560.65	-0.34
		01/13/02		78.60	3560.16	-0.49
		04/21/02		78.96	3559.80	-0.36
		07/23/02		79.29	3559.47	-0.33
		10/17/02		79.56	3559.20	-0.27
MW-10	3638.86	05/27/97	130.5	73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28
		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34
		01/16/01		77.34	3561.52	-0.37
		04/10/01		77.68	3561.18	-0.34
		07/17/01		78.06	3560.80	-0.38
		10/16/01		78.42	3560.44	-0.36
		01/13/02		78.88	3559.98	-0.46
		04/21/02		79.31	3559.55	-0.43
		07/23/02		79.64	3559.22	-0.33
		10/17/02		79.93	3558.93	-0.29
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
		01/16/01		74.88	3563.67	-0.44
		04/10/01		75.25	3563.30	-0.37
		07/17/01		75.74	3562.81	-0.49
		10/16/01		76.14	3562.41	-0.40

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-11 (Cont.)		01/13/02		76.50	3562.05	-0.36
		04/21/02		76.88	3561.67	-0.38
		07/23/02		77.22	3561.33	-0.34
		10/17/02		77.48	3561.07	-0.26
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
		01/16/01		72.00	3564.15	-0.54
		04/10/01		72.93	3563.22	-0.93
		07/17/01		72.92	3563.23	0.01
		10/16/01		73.32	3562.83	-0.40
		01/13/02		73.72	3562.43	-0.40
		04/21/02		74.08	3562.07	-0.36
		07/23/02		74.42	3561.73	-0.34
		10/17/02		74.72	3561.43	-0.30
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
		10/20/99		73.88	3561.51	0.29
	3634.76	01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
		01/16/01		75.33	3559.43	-0.38
		04/10/01		75.65	3559.11	-0.32
		07/17/01		76.04	3558.72	-0.39
		10/16/01		76.42	3558.34	-0.38
		01/13/02		76.82	3557.94	-0.40
		04/21/02		77.11	3557.65	-0.29

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-13 (Cont.)		07/23/02		77.41	3557.35	-0.30
		10/17/02		77.72	3557.04	-0.31
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17
		07/16/98		75.98	3561.21	-0.37
		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
		01/16/01		78.91	3558.28	-0.40
		04/10/01		79.24	3557.95	-0.33
		07/17/01		79.66	3557.53	-0.42
		10/16/01		80.06	3557.13	-0.40
		01/13/02		80.40	3556.79	-0.34
		04/21/02		80.78	3556.41	-0.38
		07/23/02		81.05	3556.14	-0.27
		10/17/02		81.36	3555.83	-0.31
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31
		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
		01/16/01		76.27	3560.30	-0.42
		04/10/01		76.58	3559.99	-0.31
		07/17/01		77.01	3559.56	-0.43
		10/16/01		77.44	3559.13	-0.43
		01/13/02		77.87	3558.70	-0.43
		04/21/02		78.18	3558.39	-0.31
		07/23/02		78.53	3558.04	-0.35
		10/17/02		78.72	3557.85	-0.19

Table 1 - Static Water Level Elevation Data

<i>Well Number</i>	<i>Top of Casing Elevations (ft)</i>	<i>Date Measured</i>	<i>Total Depth (ft)</i>	<i>Depth to Water (ft)</i>	<i>*Static Water Elevation (ft)</i>	<i>Difference From Prior Level (ft)</i>
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31
		01/16/01		79.83	3557.86	-0.34
		04/10/01		80.14	3557.55	-0.31
		07/17/01		80.53	3557.16	-0.39
		10/16/01		80.85	3556.84	-0.32
Shell Station MW-4 (Cont.)		01/13/02		81.27	3556.42	-0.42
		04/21/02		81.61	3556.08	-0.34
		07/23/02		81.63	3556.06	-0.02
		10/17/02		81.69	3556.00	-0.06

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	0.000	0.000	0.015
	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.008
Abandoned															
MW-2	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.002	0.044	ND(0.002)	0.014	0.134	0.134	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.002	0.044	ND(0.002)	0.024	0.135	0.135	0.353
	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.000	0.247	ND(0.005)	0.049	0.193	0.193	0.648
Duplicate	01/22/97	0.019	0.009	0.014	0.016	0.082	ND(0.005)	0.011	0.000	0.083	ND(0.005)	0.017	0.059	0.059	0.193
	05/23/97	0.009	0.004	0.003	0.005	0.039	ND(0.001)	0.007	0.000	0.057	ND(0.001)	0.014	0.021	0.021	0.117
	08/25/97	0.011	0.005	0.007	0.007	0.590	ND(0.002)	0.009	0.000	0.180	ND(0.002)	0.027	0.030	0.030	0.806
Duplicate	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.000	0.097	ND(0.002)	0.011	0.007	0.007	0.143
	10/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.000	0.023	ND(0.002)	0.012	0.005	0.005	0.049
	01/06/98	0.004	0.002	0.001	0.001	0.023	ND(0.002)	0.002	0.000	0.043	ND(0.002)	0.007	0.008	0.008	0.075
Duplicate	04/16/98	0.010	ND(0.002)	0.002	0.001	0.053	ND(0.002)	0.008	0.000	0.130	ND(0.002)	0.058	0.013	0.013	0.249
	04/16/98	0.010	ND(0.001)	ND(0.001)	ND(0.002)	0.058	ND(0.001)	0.008	0.000	0.142	ND(0.001)	0.084	0.010	0.010	0.272
	10/27/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.001	0.000	0.013	ND(0.002)	0.034	0.001	0.001	0.054
Duplicate	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.018	ND(0.001)	0.003	0.000	0.011	ND(0.002)	0.018	0.002	0.002	0.052
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.000	0.004	ND(0.001)	0.035	0.000	0.000	0.060
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.037	ND(0.001)	0.005	0.000	0.004	ND(0.001)	0.034	0.000	0.000	0.057
Duplicate	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	0.000	0.007	0.001	0.084	0.000	0.000	0.144
	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	0.001	0.000	ND(0.001)	ND(0.001)	0.021	0.000	0.000	0.034
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.003	0.000	ND(0.001)	ND(0.001)	0.041	0.000	0.000	0.028
Duplicate	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	0.001	0.000	ND(0.001)	ND(0.001)	0.023	0.000	0.000	0.057
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.004	ND(0.001)	0.005	0.000	ND(0.001)	ND(0.001)	0.007	0.000	0.000	0.032
	10/19/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	0.011
Duplicate	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.008
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.004
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.001)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.002
Duplicate	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.000
	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.000
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.000
Duplicate	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.002
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.002
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.002
MW-3	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.000	0.007	ND(0.002)	0.012	0.002	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.000	0.028	ND(0.002)	0.019	0.000	0.000	0.071
	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.027	ND(0.002)	0.010	0.000	0.014	ND(0.002)	0.016	0.000	0.000	0.067
Duplicate	05/22/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.026	0.001	0.015	0.000	0.015	ND(0.001)	0.016	0.002	0.002	0.073
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.012	0.000	0.008	ND(0.002)	0.012	0.003	0.003	0.067
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.000	0.011	ND(0.002)	0.022	0.001	0.001	0.063
Duplicate	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.023	0.000	0.031	ND(0.002)	0.028	0.000	0.000	0.103
	04/16/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.030	ND(0.002)	0.014	0.000	0.012	0.003	0.025	0.003	0.003	0.084
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.034	ND(0.002)	0.015	0.000	0.013	0.003	0.026	0.002	0.002	0.091
Duplicate	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.035	ND(0.002)	0.012	0.000	0.005	0.002	0.016	0.002	0.002	0.070
	10/20/99	0.002	ND(0.001)	0.002	ND(0.002)	0.025	ND(0.001)	0.023	0.000	ND(0.001)	ND(0.001)	0.020	0.004	0.004	0.068
	10/18/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.026	ND(0.001)	0.020	0.000	0.014	ND(0.001)	0.017	ND(0.001)	0.003	0.077
Duplicate	10/18/01	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.026	ND(0.001)	0.020	0.002	0.005	ND(0.001)	0.010	ND(0.001)	0.000	0.052
	10/17/02	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.022	ND(0.001)	0.007	0.001	0.002	ND(0.001)	0.004	ND(0.001)	0.002	0.014

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLOROETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-4	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	0.051	0.488	0.488	1.040	0.005	2.590	0.000	0.000	4.234
	11/2/96	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.110	ND(0.05)	0.623	0.623	0.941	ND(0.05)	3.526	0.000	0.000	5.200
Duplicate	11/2/96	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.106	0.042	0.694	0.694	1.080	ND(0.02)	3.980	0.000	0.000	5.902
	01/22/97	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.089	0.037	0.509	0.509	0.557	ND(0.05)	3.100	0.000	0.000	4.292
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.062	0.017	0.423	0.423	0.550	ND(0.01)	1.720	0.000	0.000	2.777
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.047	0.017	0.175	0.175	0.349	ND(0.02)	1.250	0.000	0.000	1.838
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.044	0.017	0.167	0.167	0.332	ND(0.02)	1.190	0.000	0.000	1.750
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.037	0.015	0.124	0.124	0.267	ND(0.02)	1.060	0.000	0.000	1.503
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.031	0.011	0.103	0.103	0.225	ND(0.02)	1.170	0.000	0.000	1.540
	01/06/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.087	0.087	0.148	ND(0.02)	0.970	0.000	0.000	1.226
	01/06/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	0.006	0.077	0.077	0.138	ND(0.01)	0.907	0.000	0.000	1.149
	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.019	ND(0.05)	0.116	0.116	0.114	ND(0.05)	0.651	0.000	0.000	0.900
	07/17/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.206	0.206	0.194	ND(0.01)	1.120	0.000	0.000	1.551
Duplicate	07/17/98	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.031	ND(0.02)	0.240	0.240	0.216	ND(0.02)	0.843	0.000	0.000	1.330
	10/27/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.10)	0.021	ND(0.05)	0.201	0.201	0.209	ND(0.05)	1.080	0.000	0.000	1.521
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.019	ND(0.01)	0.118	0.118	0.090	ND(0.01)	0.511	0.000	0.000	0.738
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.151	0.151	0.166	ND(0.01)	0.875	0.000	0.000	1.223
Duplicate	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.014	ND(0.01)	0.081	0.081	0.058	ND(0.01)	0.386	0.000	0.000	0.539
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.004	0.084	0.084	0.055	ND(0.001)	0.350	0.000	0.000	0.508
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.059	0.027	0.149	0.149	0.155	ND(0.01)	0.977	0.000	0.000	1.367
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.044	0.044	0.030	ND(0.01)	0.249	0.000	0.000	0.336
Duplicate	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.015	ND(0.01)	0.054	0.054	0.036	ND(0.01)	0.282	0.000	0.000	0.367
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.013	ND(0.0025)	0.038	0.038	0.021	ND(0.0025)	0.252	0.000	0.000	0.324
STL Duplicate	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.011	0.005	0.028	0.028	0.021	ND(0.0025)	0.170	0.000	0.000	0.235
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.016	0.007	0.041	0.041	0.025	ND(0.0025)	0.140	0.000	0.000	0.229
Duplicate	01/16/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.011	0.005	0.021	0.021	0.013	ND(0.0025)	0.107	ND(0.0025)	0.000	0.157
	04/10/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.005	ND(0.0025)	0.008	0.008	0.004	ND(0.0025)	0.053	ND(0.0025)	0.000	0.070
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.007	0.007	0.004	ND(0.005)	0.041	ND(0.005)	0.000	0.066
	01/13/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.014	0.005	0.013	0.013	0.011	ND(0.0025)	0.085	ND(0.0025)	0.000	0.128
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.006	0.006	0.003	ND(0.001)	0.028	ND(0.001)	0.000	0.073
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.005	0.005	0.001	ND(0.001)	0.021	ND(0.001)	0.000	0.031
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.004	0.004	0.002	ND(0.001)	0.024	ND(0.001)	0.000	0.035
MW-5	01/23/97	0.018	0.004	ND(0.001)	0.001	0.180	0.002	0.020	0.020	0.036	0.001	0.012	0.023	0.023	0.251
Duplicate	01/23/97	0.018	0.004	ND(0.001)	0.001	0.190	0.002	0.018	0.018	0.034	0.001	0.009	0.023	0.023	0.254
	05/23/97	0.029	ND(0.002)	ND(0.002)	ND(0.004)	0.191	0.003	0.055	0.055	0.069	0.002	0.079	0.029	0.029	0.389
	07/28/97	0.051	0.023	ND(0.002)	0.007	0.241	0.004	0.072	0.072	0.051	0.002	0.058	0.081	0.081	0.428
Duplicate	07/28/97	0.052	0.023	ND(0.005)	0.007	0.259	0.004	0.069	0.069	0.050	ND(0.005)	0.052	0.082	0.082	0.433
	10/16/97	0.059	0.027	ND(0.01)	0.008	0.214	0.004	0.066	0.066	0.039	ND(0.01)	0.070	0.084	0.084	0.393
	01/08/98	0.048	0.016	ND(0.01)	0.006	0.215	0.004	0.060	0.060	0.029	ND(0.01)	0.055	0.070	0.070	0.363
	04/18/98	0.034	0.011	ND(0.005)	ND(0.01)	0.136	0.002	0.033	0.033	0.008	ND(0.005)	0.031	0.045	0.045	0.210
	07/17/98	0.025	0.007	ND(0.002)	0.001	0.106	0.002	0.023	0.023	0.007	0.002	0.029	0.033	0.033	0.169
	10/27/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.080	ND(0.01)	0.042	0.042	0.016	ND(0.01)	0.033	0.000	0.000	0.177
Duplicate	10/27/98	0.011	0.002	ND(0.002)	ND(0.004)	0.053	ND(0.002)	0.011	0.011	0.002	ND(0.002)	0.031	0.013	0.013	0.077
	10/20/99	0.027	0.009	ND(0.0025)	ND(0.005)	0.113	ND(0.0025)	0.022	0.022	ND(0.0025)	ND(0.0025)	0.005	0.036	0.036	0.140
	10/19/00	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.069	ND(0.001)	0.002	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.011
	10/19/01	0.006	0.001	ND(0.001)	ND(0.001)	0.028	ND(0.001)	0.006	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.007	0.039
	10/17/02	0.017	0.003	ND(0.001)	ND(0.001)	0.074	0.001	0.020	0.020	ND(0.001)	0.006	0.010	0.020	0.020	0.128

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCM (mg/L)	1,2-DCM (mg/L)	1,1-DCM (mg/L)	TOTAL 1,2-DCM (mg/L)	1,1,1-TCM (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-6	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.041	0.001	0.004	0.004	0.004	ND(0.001)	0.003		0.001	0.053
	05/22/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.085	0.002	0.034	0.034	0.017	0.002	0.023		0.004	0.163
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.081	0.002	0.027	0.027	0.008	0.002	0.021		0.003	0.141
	10/19/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.082	0.002	0.025	0.025	0.006	0.002	0.019		0.003	0.136
	01/09/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.113	0.003	0.038	0.038	0.012	0.002	0.024		0.003	0.192
	04/19/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.088	0.003	0.027	0.027	0.008	0.002	0.017		0.002	0.145
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.091	0.004	0.051	0.051	0.022	0.002	0.032		0.002	0.202
	10/29/98	0.011	0.002	ND(0.001)	ND(0.002)	0.055	ND(0.001)	0.011	0.011	ND(0.001)	ND(0.001)	0.011		0.013	0.077
	02/10/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.113	0.005	0.056	0.056	0.016	0.003	0.039		0.003	0.232
	04/21/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.133	0.006	0.061	0.061	0.023	0.003	0.047		0.003	0.273
	07/13/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.108	0.004	0.068	0.068	0.021	ND(0.002)	0.062		0.003	0.263
	10/20/99	ND(0.002)	ND(0.002)	0.002	ND(0.005)	0.066	0.003	0.058	0.058	0.032	ND(0.002)	0.046		0.002	0.205
	01/25/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.093	0.003	0.049	0.049	0.015	ND(0.002)	0.048		0.002	0.208
	04/19/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.082	ND(0.002)	0.036	0.036	0.009	ND(0.002)	0.033		0.000	0.180
Duplicate	07/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.057	ND(0.002)	0.028	0.028	0.010	ND(0.002)	0.027		0.000	0.122
	10/19/00	0.002	ND(0.001)	0.002	ND(0.001)	0.024	0.003	0.015	0.015	0.014	ND(0.001)	0.030	ND(0.001)	0.004	0.090
Duplicate	01/19/01	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.061	0.005	0.035	0.035	0.013	ND(0.001)	0.027	ND(0.001)	0.004	0.145
	04/19/01	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.063	ND(0.002)	0.035	0.035	0.011	ND(0.002)	0.033	ND(0.002)	0.000	0.146
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.002)	0.033	0.033	0.008	ND(0.002)	0.028	ND(0.005)	0.003	0.140
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.063	0.003	0.033	0.033	0.008	ND(0.002)	0.028	ND(0.002)	0.000	0.110
	10/19/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.062	ND(0.002)	0.039	0.039	0.009	ND(0.002)	0.036	ND(0.002)	0.000	0.151
	01/13/02	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.060	ND(0.002)	0.030	0.030	0.007	ND(0.002)	0.028	ND(0.002)	0.000	0.128
	04/21/02	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.062	0.004	0.035	0.035	0.007	ND(0.001)	0.031	ND(0.001)	0.000	0.144
	07/23/02	0.001	ND(0.001)	0.001	ND(0.001)	0.062	0.003	0.032	0.032	0.007	ND(0.001)	0.034	0.001	0.002	0.143
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.056	0.002	0.024	0.024	0.005	ND(0.001)	0.026	0.001	0.000	0.119
	01/23/97	0.001	ND(0.001)	ND(0.001)	0.001	0.047	0.001	0.009	0.009	ND(0.001)	0.004	0.014		0.002	0.075
MW-7	05/22/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.087	0.002	0.066	0.066	0.022	0.014	0.116		0.003	0.287
	07/28/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.073	0.002	0.061	0.061	ND(0.002)	0.021	0.110		0.004	0.267
	10/19/97	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.050	0.050	ND(0.005)	0.018	0.091		0.003	0.224
	01/09/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.078	ND(0.005)	0.054	0.054	ND(0.005)	0.018	0.111		0.003	0.259
	04/19/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.035	0.035	ND(0.005)	0.020	0.078		0.003	0.188
	07/17/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.038	0.038	ND(0.005)	0.024	0.073		0.003	0.200
	10/29/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	0.047	ND(0.005)	0.030	0.030	ND(0.005)	0.019	0.073		0.000	0.189
	02/10/99	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.050	ND(0.001)	0.032	0.032	0.002	0.014	0.066		0.002	0.164
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.047	ND(0.001)	0.029	0.029	0.002	0.011	0.071		0.000	0.160
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.034	ND(0.001)	0.027	0.027	ND(0.001)	0.007	0.066		0.000	0.134
	10/20/99	ND(0.001)	ND(0.001)	0.002	ND(0.002)	0.046	ND(0.001)	0.035	0.035	ND(0.001)	0.006	0.081		0.002	0.168
	01/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.025	ND(0.002)	0.020	0.020	ND(0.002)	0.003	0.061		0.000	0.109
	04/19/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.022	ND(0.002)	0.020	0.020	ND(0.002)	0.003	0.069		0.000	0.114
	07/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.030	ND(0.002)	0.026	0.026	ND(0.002)	0.003	0.081		0.000	0.140
Duplicate	10/19/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.036	ND(0.002)	0.030	0.030	ND(0.002)	0.003	0.090	ND(0.002)	0.000	0.159
	01/19/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.030	ND(0.002)	0.021	0.021	ND(0.002)	0.003	0.086	ND(0.002)	0.000	0.140
	04/19/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.005)	0.035	ND(0.002)	0.020	0.020	ND(0.002)	0.004	0.066	ND(0.002)	0.000	0.125
	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.015	0.015	ND(0.005)	0.005	0.052	ND(0.005)	0.000	0.113
	10/19/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.047	ND(0.002)	0.019	0.019	ND(0.002)	0.006	0.064	ND(0.002)	0.000	0.136
	01/13/02	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.038	ND(0.002)	0.013	0.013	ND(0.002)	0.004	0.064	ND(0.002)	0.000	0.095
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.014	0.014	ND(0.001)	0.003	0.034	ND(0.001)	0.000	0.079
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.025	ND(0.001)	0.013	0.013	ND(0.001)	0.003	0.032	ND(0.001)	0.000	0.073
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.022	ND(0.001)	0.009	0.009	ND(0.001)	0.002	0.025	ND(0.001)	0.000	0.058
	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.005	0.005	ND(0.001)	0.002	0.019	ND(0.001)	0.000	0.047

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLOROETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-6	01/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.068	0.005	0.280	ND(0.001)	0.460	ND(0.01)	0.810	ND(0.01)	0.000	1.623
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.082	ND(0.01)	1.360	ND(0.01)	0.805	ND(0.01)	4.150	ND(0.01)	0.000	6.397
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.077	ND(0.02)	0.975	ND(0.02)	0.774	ND(0.02)	3.600	ND(0.02)	0.000	5.426
	07/28/97	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	ND(0.1)	1.120	ND(0.1)	0.798	ND(0.1)	4.520	ND(0.1)	0.000	6.438
	10/18/97	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	0.858	ND(0.2)	0.596	ND(0.2)	4.570	ND(0.2)	0.000	6.024
	01/05/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.230	ND(0.2)	0.798	ND(0.2)	4.653	ND(0.2)	0.000	6.678
	04/19/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.050	ND(0.2)	0.658	ND(0.2)	4.620	ND(0.2)	0.000	6.328
	07/17/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	1.200	ND(0.2)	0.740	ND(0.2)	5.080	ND(0.2)	0.000	7.030
	10/27/98	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	0.060	ND(0.2)	0.760	ND(0.2)	0.522	ND(0.2)	4.160	ND(0.2)	0.000	5.522
	02/10/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.083	ND(0.025)	0.836	ND(0.025)	0.569	ND(0.025)	3.870	ND(0.025)	0.000	5.458
	04/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.080	ND(0.025)	0.808	ND(0.025)	0.800	ND(0.025)	3.900	ND(0.025)	0.000	5.388
	07/13/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.058	ND(0.025)	0.634	ND(0.025)	0.341	ND(0.025)	2.970	ND(0.025)	0.000	4.003
	10/21/99	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.081	ND(0.025)	0.857	ND(0.025)	0.447	ND(0.025)	3.610	ND(0.025)	0.000	4.995
	01/25/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.078	ND(0.025)	0.887	ND(0.025)	0.349	ND(0.025)	3.190	ND(0.025)	0.000	4.302
	04/18/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.412	ND(0.01)	0.219	ND(0.01)	2.420	ND(0.01)	0.000	3.104
	07/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.03)	ND(0.01)	ND(0.01)	0.422	ND(0.01)	0.238	ND(0.01)	2.140	ND(0.01)	0.000	2.800
STL Duplicate	07/25/00	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	ND(0.1)	0.700	ND(0.1)	0.300	ND(0.1)	2.500	ND(0.1)	0.000	3.500
	10/18/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.085	ND(0.01)	0.546	ND(0.01)	0.317	ND(0.01)	5.780	ND(0.01)	0.000	6.728
	01/19/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.094	ND(0.01)	0.512	ND(0.01)	0.353	ND(0.01)	3.340	ND(0.01)	0.000	4.299
	04/10/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.083	ND(0.01)	0.401	ND(0.01)	0.258	ND(0.01)	6.150	ND(0.01)	0.000	6.892
Duplicate	07/17/01	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	0.076	ND(0.02)	0.350	ND(0.02)	0.240	ND(0.02)	2.600	ND(0.02)	0.000	3.266
	10/19/01	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.048	ND(0.01)	0.200	ND(0.01)	0.120	ND(0.01)	1.700	ND(0.01)	0.000	2.085
	01/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.045	0.017	0.210	ND(0.001)	0.120	0.003	1.800	ND(0.001)	0.000	2.195
	10/18/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.029	0.011	0.100	ND(0.005)	0.060	ND(0.005)	0.980	ND(0.005)	0.000	1.190
	01/13/02	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.032	0.013	0.110	ND(0.002)	0.059	ND(0.002)	0.420	ND(0.002)	0.000	0.634
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.003	0.018	ND(0.001)	0.010	ND(0.001)	0.160	ND(0.001)	0.000	0.198
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.003	0.018	ND(0.001)	0.010	ND(0.001)	0.160	ND(0.001)	0.000	0.198
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.003	0.014	ND(0.001)	0.010	ND(0.001)	0.150	ND(0.001)	0.000	0.183
	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063	ND(0.001)	0.045	ND(0.001)	0.080	ND(0.001)	0.000	0.209
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.322	ND(0.01)	0.147	ND(0.01)	1.550	ND(0.01)	0.000	2.045
Duplicate	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.02)	0.326	ND(0.02)	ND(0.02)	ND(0.02)	1.130	ND(0.02)	0.000	1.489
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.02)	0.278	ND(0.02)	0.121	ND(0.02)	1.020	ND(0.02)	0.000	1.440
	10/18/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.02)	0.278	ND(0.02)	0.104	ND(0.02)	1.160	ND(0.02)	0.000	1.561
	10/18/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.023	ND(0.02)	0.321	ND(0.02)	0.141	ND(0.02)	1.160	ND(0.02)	0.000	1.645
	01/05/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.033	ND(0.1)	0.502	ND(0.1)	0.174	ND(0.1)	1.350	ND(0.1)	0.000	2.059
	04/18/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)	0.029	ND(0.05)	0.444	ND(0.05)	0.144	ND(0.05)	1.290	ND(0.05)	0.000	1.907
	07/17/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.042	ND(0.1)	0.690	ND(0.1)	0.242	ND(0.1)	1.770	ND(0.1)	0.000	2.744
	10/27/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.030	ND(0.1)	0.507	ND(0.1)	0.193	ND(0.1)	1.740	ND(0.1)	0.000	2.470
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.467	ND(0.01)	0.159	ND(0.01)	1.400	ND(0.01)	0.000	2.077
	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.368	ND(0.01)	0.161	ND(0.01)	1.320	ND(0.01)	0.000	1.875
Duplicate	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.01)	0.353	ND(0.01)	0.110	ND(0.01)	1.100	ND(0.01)	0.000	1.584
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.018	ND(0.01)	0.261	ND(0.01)	0.085	ND(0.01)	1.080	ND(0.01)	0.000	1.454
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.145	ND(0.01)	0.048	ND(0.01)	0.556	ND(0.01)	0.000	0.762
	04/18/00	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.050)	0.008	ND(0.025)	0.046	ND(0.025)	0.015	ND(0.025)	0.235	ND(0.025)	0.000	0.302
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	ND(0.0025)	ND(0.0025)	0.012	ND(0.001)	0.006	ND(0.0025)	0.228	ND(0.001)	0.000	0.246
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.001	0.036
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	01/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.022	ND(0.001)	0.000	0.028
	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.017	ND(0.001)	0.000	0.022
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	ND(0.002)	0.000	0.009
	10/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.011	ND(0.001)	0.000	0.014
Duplicate	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.001	ND(0.001)	0.012	ND(0.001)	0.000	0.016
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.018	ND(0.001)	0.000	0.025
	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.005	ND(0.001)	0.001	ND(0.001)	0.021	ND(0.001)	0.000	0.028
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.017
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	0.014	ND(0.001)	0.000	0.017

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DC (mg/L)	1,2-DC (mg/L)	1,4-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-10 Duplicate	05/26/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.007	ND(0.001)	ND(0.002)	0.001	0.026	ND(0.001)	0.004	0.038
	05/26/97	0.007	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.006	ND(0.001)	ND(0.002)	0.001	0.028	ND(0.001)	0.007	0.037
Duplicate	07/28/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.009	ND(0.002)	0.002	ND(0.002)	0.014	ND(0.002)	0.002	0.028
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.001	0.010
Duplicate	01/06/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008	ND(0.002)	0.001	0.010
	04/16/98	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)	0.002	ND(0.002)	0.002	0.002
Duplicate	07/17/98	0.003	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)	0.002	ND(0.001)	0.003	0.002
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.000
Duplicate	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.005
Duplicate	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	05/24/07	0.002	ND(0.001)	ND(0.001)	0.001	0.001	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	0.010
MW-11	07/28/97	0.003	0.001	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.010	0.000
	10/16/97	0.002	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.000
Duplicate	01/06/98	0.002	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.005	0.000
	04/16/98	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	0.000
Duplicate	07/17/98	0.002	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
	10/26/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.000
Duplicate	10/18/99	0.002	0.001	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
	10/18/99	0.001	0.001	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000
MW-12	05/25/97	ND(0.001)	0.006	0.005	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.014	0.001
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
Duplicate	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.001
Duplicate	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/16/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	0.005
	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Duplicate	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-13	05/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.010	ND(0.001)	0.000	0.023
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.009	ND(0.001)	0.000	0.022
Duplicate	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.015	ND(0.001)	0.001	ND(0.001)	0.013	ND(0.001)	0.000	0.029
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.011	ND(0.002)	0.001	ND(0.002)	0.013	ND(0.002)	0.000	0.025
Duplicate	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017	ND(0.002)	0.002	ND(0.002)	0.011	ND(0.002)	0.000	0.030
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.016	ND(0.001)	0.003	ND(0.001)	0.010	ND(0.001)	0.000	0.029
Duplicate	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	ND(0.002)	0.002	ND(0.002)	0.016	ND(0.002)	0.000	0.037
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	ND(0.002)	0.002	ND(0.002)	0.020	ND(0.002)	0.000	0.041
Duplicate	02/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.017	ND(0.001)	0.002	ND(0.001)	0.018	ND(0.001)	0.000	0.033
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017	ND(0.001)	0.002	ND(0.001)	0.018	ND(0.001)	0.000	0.037
Duplicate	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	ND(0.001)	0.001	ND(0.001)	0.012	ND(0.001)	0.000	0.025
	10/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.002	ND(0.001)	0.015	ND(0.001)	0.000	0.035
Duplicate	01/26/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.022	ND(0.001)	0.002	ND(0.001)	0.021	ND(0.001)	0.000	0.047
	04/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.025	ND(0.001)	0.002	ND(0.001)	0.027	ND(0.001)	0.000	0.055
Duplicate	07/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.023	ND(0.001)	0.002	ND(0.001)	0.026	ND(0.001)	0.000	0.052
	10/23/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.002	ND(0.001)	0.027	ND(0.001)	0.002	ND(0.001)	0.019	ND(0.001)	0.000	0.050
Duplicate	10/16/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	0.024	ND(0.001)	0.002	ND(0.001)	0.055	ND(0.001)	0.001	0.083
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.024	ND(0.001)	0.002	ND(0.001)	0.055	ND(0.001)	0.001	0.083

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-15 (Cont.)	04/10/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
Duplicate	10/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	10/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
Duplicate	01/13/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.001
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
Duplicate	07/23/02	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.002
*SO4	05/25/97	ND(0.01)	0.469	0.470	1.936	0.021	ND(0.01)	0.024	ND(0.01)	0.005	ND(0.01)	ND(0.01)	ND(0.01)	2.875	0.050
	07/28/97	ND(0.02)	0.411	0.138	0.905	0.020	ND(0.02)	0.020	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	1.454	0.040
Duplicate	10/19/97	ND(0.02)	0.322	0.039	0.713	0.018	ND(0.02)	0.022	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.02)	1.074	0.040
	01/08/98	0.002	0.042	0.001	0.019	0.051	ND(0.002)	0.075	ND(0.002)	0.014	ND(0.002)	0.004	0.004	0.064	0.144
Duplicate	04/18/98	0.002	0.008	ND(0.005)	ND(0.01)	0.049	ND(0.005)	0.087	ND(0.005)	0.015	ND(0.005)	0.005	0.005	0.010	0.156
	07/17/98	ND(0.005)	0.016	ND(0.005)	ND(0.01)	0.038	ND(0.005)	0.075	ND(0.005)	0.015	ND(0.005)	0.005	0.005	0.016	0.133
Duplicate	10/28/98	ND(0.002)	0.003	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.024	ND(0.002)	0.005	ND(0.002)	0.002	0.002	0.003	0.041
	02/10/99	0.001	0.013	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.079	ND(0.001)	0.016	ND(0.001)	0.005	0.005	0.014	0.125
Duplicate	04/21/99	ND(0.001)	0.006	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.089	ND(0.001)	0.026	ND(0.001)	0.006	0.006	0.006	0.146
	07/12/99	ND(0.0025)	0.003	ND(0.0025)	ND(0.005)	0.021	ND(0.0025)	0.096	ND(0.0025)	0.021	ND(0.0025)	0.008	0.008	0.003	0.146
Duplicate	10/21/99	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.025	ND(0.0025)	0.073	ND(0.0025)	0.012	ND(0.0025)	0.005	0.005	0.000	0.115
	01/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.046	ND(0.0025)	0.086	ND(0.0025)	0.013	ND(0.0025)	0.007	0.007	0.000	0.164
Duplicate	04/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.057	ND(0.0025)	0.089	ND(0.0025)	0.008	ND(0.0025)	0.006	0.006	0.000	0.160
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.057	ND(0.0025)	0.056	ND(0.0025)	0.003	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.116
Duplicate	07/25/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.720	ND(0.005)	0.080	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.800
	10/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.102	ND(0.0025)	0.097	ND(0.0025)	0.003	ND(0.0025)	0.003	ND(0.0025)	0.000	0.219
Duplicate	01/19/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.085	ND(0.0025)	0.077	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.174
	04/10/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.093	ND(0.0025)	0.074	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.172
Duplicate	07/17/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.076
	10/19/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.068	ND(0.0025)	0.055	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.000	0.134
Duplicate	01/13/02	0.003	0.007	ND(0.0025)	ND(0.0025)	0.055	ND(0.0025)	0.040	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.010	0.105
	04/21/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.027	ND(0.001)	0.018	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.052
Duplicate	07/23/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.015	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.041
	10/17/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.014

Notes:

Only commonly detected compounds are listed. Other compounds that have been detected infrequently are included in the laboratory reports.

ND - Not Detected at detection limit shown in parentheses.

Italicized value - is below the method detection limit.

< - analyte detected above the method detection limit but table is reported only to 1 part per billion

*SO4 = Shell Service Station monitoring well MW-4

1,1-DCA - 1,1-Dichloroethane

1,2-DCA - 1,2-Dichloroethane

1,1-DCE - 1,1-Dichloroethene

PCE - Tetrachloroethane

TCA - 1,1,1-Trichloroethane

TCE - Trichloroethene

STL - Duplicate samples sent to STL, Corpus Christi, Texas

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER LAGOON																	
Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35	29.80	0.487			20.7			36.5				
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	111.2	46.2	48.3	ND(0.2)	450	ND(0.2)	1.23	135	425.8		680.73	
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.83		0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	ND(0.2)	216.6	ND(0.2)	1.3	19	136.1		296	
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	35.7	ND(0.2)	3.7	1.9			57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	ND(0.2)	283	ND(0.2)	2.73	111.8	245.2		489.03	
Unit 1 Output 9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	ND(0.2)	6	13.4			21.4
Unit 1 Output 9/95-2		Exhaust 2	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.3		0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01		0	
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		15.3
93007-WatPDIinput	04/11/96	Input	ND(0.2)	114	19.1	81.5	9.7	11.4	ND(0.2)	116	ND(0.2)	ND(0.2)	120	214.6		257.1	
93007-WatPDExh 4/96		Exhaust	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	1.2	ND(0.2)	0.5		1		5.8
93007-WPINPUT 7/96	07/23/96	Input	2.8	49.5	2.6	11.2	6.9	6.1	ND(0.5)	64.6	ND(0.5)	0.4	17.9	66.1		95.9	
93007-WPEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	0.7	ND(0.3)	0.6		0		3.7
WP-INPUT-10/96	10/24/96	Input	2.07	44	12.1	77.1	4.9	ND(0.2)	ND(0.2)	74.4	ND(0.2)	1.02	51.9	135.27		132.22	
WP-OUTPUT-10/96		Exhaust	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	3.02	ND(0.2)	2.97	ND(0.2)	0.832		1.02		6.822
93-007-WP-IMP 5/97	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	ND(5.0)	66.3	230.3		159.7	
93007-WP 10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	ND(5.0)	81	277.6		220.45	
93007-WP 1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	ND(2.0)	68.4	189.42		206.8	
93007-WP 4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	ND(5.0)	117	219.8		364.8	
93007-WP 7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	ND(0.10)	105	202.3		280	
93007-WP 10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	ND(2.5)	50.5	167.28		132.95	
93007-WP 1/99	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	ND(10.0)	121	364.5		193.7	
93007-WP 2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	ND(2.5)	87.3	385.95		131.2	
93007-WP 4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	ND(2.5)	51.6	172.7		79.7	
93007-WP 7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	ND(2.5)	40	136.1		54.5	
93007-WP 10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	ND(2.5)	34.9	101.9		44.25	
93007-WP 1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	ND(2.5)	34.6	91.6		41.5	
93007-WP 4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	ND(5.0)	26.2	62.65		31.2	
93007-WP 7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	ND(2.5)	18.1	34.65		21.35	
93007-WP 10/00	10/16/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	ND(2.5)	22	82.35		24.85	
93007-WP 1/01	01/16/01	Input	ND(1.0)	8.08	5.94	36.7	ND(1.0)	ND(1.0)	ND(1.0)	2.36	ND(1.0)	ND(1.0)	31.33	50.72		33.69	
93007-WP 4/01	04/10/01	Input	ND(5.0)	63.5	51.1	278	ND(5.0)	ND(5.0)	ND(5.0)	21.9	ND(5.0)	ND(5.0)	215	392.6		236.9	
93007-WP 7/01	07/17/01	Input	ND(2.0)	2.9	2.8	15.5	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	14	21.2		14	
93007-WP 10/01	10/16/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	7.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	7.6		22	
93007-WP 01/02	01/14/02	Input	ND(1.5)	ND(1.5)	1.8	9.8	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	10	11.6		10	
93007-WP 04/02	04/22/02	Input	ND(1.2)	1.3	1.9	9.8	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	11	13		11	
93007-WP 07/02	07/23/02	Input	ND(1.0)	ND(1.0)	1.9	11.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.2	13.4		9.2	
93007-WP 10/02	10/17/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	6.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6	6.6		11.2	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

ACID PLANT

Sample ID	Date Sampled	Sample Location	Benzene (mg/m ³)	Toluene (mg/m ³)	Ethyl-Benzene (mg/m ³)	Total Xylene (mg/m ³)	1,1-DCE (mg/m ³)	1,1-DCA (mg/m ³)	Chloromethane (mg/m ³)	1,1,1-TCA (mg/m ³)	Vinyl Chloride (mg/m ³)	TCE (mg/m ³)	PCE (mg/m ³)	Input BTEX (mg/m ³)	Output BTEX (mg/m ³)	Input Halocarbons (mg/m ³)	Output Halocarbons (mg/m ³)
007-AREA 2	11/02/94	Pilot	4.5	23.2	11.4	46.18	4.4	12.2	ND(0.2)	88.5	ND(0.2)	ND(0.2)	30.5	89.41		13.35	
Unit 2 (7/95) Input	07/13/95	Input	3.13	27.2	12.9	46.18	1.52	1.53	ND(0.2)	3.39	ND(0.2)	ND(0.2)	6.91	89.41		13.35	
Unit 2 (7/95) Exhaust		Exhaust	ND(0.2)	0.26	ND(0.2)	1.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	85.12	1.76	22.6	0
Unit 2 (8/95) Input	08/12/95	Input	1.42	24.8	10.4	48.5	5.1	1.6	ND(0.2)	7	ND(0.2)	ND(0.2)	8.9	85.12		22.6	
Unit 2 (8/95) Exhaust		Exhaust	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0	0.5	0	0
Unit 2 Output 9/95	09/07/95	Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	54.3	0	27.3	0
93007-ACDKINPT 4/96	04/11/96	Input	0.7	17.7	5.6	30.3	1.9	0.6	ND(0.2)	5.5	ND(0.2)	0.3	19	54.3		27.3	
93007-ACDKExh 4/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0	0	0	0
93007-ADINPT 7/96	07/23/96	Input	ND(0.3)	1	ND(0.3)	1.1	0.8	ND(0.3)	ND(0.5)	0.9	ND(0.5)	ND(0.3)	1.6	2.1		3.3	
93007-ADEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.5)	ND(0.3)	ND(0.3)	0	0	0	0
AD-INPT-10/96	10/24/96	Input	0.61	4.51	0.88	5.62	1.69	0.55	ND(0.2)	1.48	ND(0.2)	ND(0.2)	3.33	11.62		7.05	
AD-OUTPUT-10/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.477	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0	0	0	0.477
93007-AD-INP-1/97	01/21/97	Input	ND(1.0)	5.67	ND(1.0)	2.38	ND(1.0)	ND(1.0)	ND(1.0)	1.34	ND(1.0)	ND(1.0)	8.86	8.05		10.2	
93007-AD-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0	0	0	0
93007-AD-INP 5/97	05/13/97	Input	ND(1.0)	4.06	ND(1.0)	3.88	2.19	ND(1.0)	ND(1.0)	2.09	ND(1.0)	ND(1.0)	10.3	7.94		14.58	
93007-AD 10/97	10/14/97	Input	ND(1.0)	1.31	ND(1.0)	0.75J	ND(1.0)	ND(1.0)	ND(1.0)	3.98	ND(1.0)	ND(1.0)	1.74	1.31		1.74	
93007-AD 1/98	01/06/98	Input	ND(1.0)	6.4	2.46	16.36	ND(1.0)	ND(1.0)	ND(1.0)	0.56J	ND(1.0)	ND(1.0)	7.29	25.22		11.27	
93007-AD 7/98	07/16/98	Input	ND(1.0)	2.08	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.68J	ND(1.0)	ND(1.0)	2.26	2.08		2.26	
93007-AD 2/99	02/10/99	Input	ND(0.5)	2.38	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.77J	0		0	
93007-AD 4/99	04/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 7/99	07/12/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 10/99	10/21/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/00	01/25/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 4/00	04/17/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 7/00	07/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 10/00	10/16/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/01	01/16/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 4/01	04/10/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0		0	
93007-AD 7/01	04/17/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0		0	
93007-AD 10/01	10/16/01	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 01/02	01/14/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 04/02		Input	Sample damaged during shipment.														
93007-AD 07/02	07/23/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 10/02	10/17/02	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0		0	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER UST

Sample ID	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	TCE (mg/m3)	PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5	6.4	ND(0.1)	ND(0.1)	ND(0.2)	215	ND(0.1)	2.68	870	15.84		1379.58	
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.47	7.88	281	10.9	ND(0.2)	17.2	ND(0.2)	0.87	ND(0.2)	2.76	12.9		21.1
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	4.9	0.27	15.6	ND(0.2)	48	ND(0.2)	2.1	636	8.1		1738.7	
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	13.3	ND(0.2)	492	ND(0.2)	0.8	21.5	0	4.9		108.1
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	593.4	56.2	ND(0.2)	31.9	ND(0.2)	2	444.4	0		1545.1	
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	56.2	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.9	81.4		1.6		170.4
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	13	ND(0.2)	35.6	ND(0.2)	9.7	1.01		58.3	
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)	10.5	ND(0.2)	14.5		1.01		41.21
Unit 3 Output		After Cat	ND(0.2)	0.9	0.5	3.4	99.4	ND(0.2)	ND(0.2)	254	ND(0.2)	1	611	4.8		965.4	
93007-TKShpInpt	04/11/96	Input	ND(0.2)	0.6	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)	6.8	0.4	8.5	0	0.6		26.7
93007-TKShpExh 4/96		Exhaust	0.6	ND(0.2)	ND(0.2)	ND(0.2)	47.1	4.8	ND(0.5)	ND(0.3)	ND(0.5)	0.5	46.2	0		98.6	
93007-TSINPUT 7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.3)	2.2	ND(0.3)	2.8	0	0.4		12.9
93007-TSEXHST 7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	57.6	4.37	ND(0.2)	97.7	ND(0.2)	ND(0.2)	179	1.95		338.67	
UST-INP-10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	ND(0.2)	4.66	ND(0.2)	2.59	ND(0.2)	1.62				8.87
UST-OUTPUT-10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	2.5	ND(1.0)	ND(1.0)	0.58J	205	0		301.1	
93007-UST-INP-1/97	1/21/1997	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	30	2.8	ND(1.0)	63.3	ND(1.0)	ND(1.0)	6.19	0	0		8.69
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	21.3J	ND(25.0)	ND(25.0)	41.8	ND(25.0)	ND(25.0)	155	0		196.8	
93-007-UST-INP 5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	3.85J	ND(5.0)	ND(5.0)	8.25	ND(5.0)	ND(5.0)	102	0		110.25	
93007-UST 1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	121	0		121	
93007-UST 4/98	04/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.80J	ND(5.0)	ND(5.0)	104	0		104	
93007-UST 10/98	10/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	468	0		468	
93007-UST 2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	37.9	0		37.9	
93007-UST 4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	36.6	0		36.6	
93007-UST 7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	37	0		37	
93007-UST 10/99	10/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	27.6	0		27.6	
93007-UST 1/00	01/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	27.6	0		27.6	
93007-UST 4/00	04/17/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	36.2	0		36.2	
93007-UST 7/00	07/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	41.9	0		41.9	
93007-UST 10/00	10/16/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	29.4	0		29.4	
93007-UST 1/01	01/16/01	Input	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)	48.4	0		48.4	
93007-UST 7/01	07/17/01	Input	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)	21	0		21	
93007-UST 10/01	10/16/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	2.6	0		2.6	
93007-UST 01/02	01/14/02	Input	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)	17	0		17	
93007-UST 04/02	04/22/02	Input	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)	26	0		26	
93007-UST 07/02	07/23/02	Input	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)	23	0		23	
93007-UST 10/02	10/17/02	Input	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)	13.8	0		13.8	

Notes: mg/m3 = milligrams per cubic meter

ND=Not Detected at detection limit shown in parentheses.

DCA=Dichloroethane

DCE= Dichloroethene

TCE = Trichloroethene

PCE = Tetachloroethene

APPENDIX A

Laboratory Analytical Reports



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-015
Client Sample ID: 93007-2.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 18:15
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0029



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-015

Client Sample ID: 93007-2.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 18:15

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 01:20 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Tetrachloroethene	1.6	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 01:20 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/31/02 01:20 / rlo
Surr: Dibromofluoromethane	100	%REC			70-130	SW8260B	10/31/02 01:20 / rlo
Surr: p-Bromofluorobenzene	98.8	%REC			80-120	SW8260B	10/31/02 01:20 / rlo
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/31/02 01:20 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0030



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-009

Client Sample ID: 93007-3.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 16:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1,1-Trichloroethane	2.1	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1-Dichloroethane	19	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1-Dichloroethene	7.4	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Benzene	1.7	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Chloroform	2.2	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
cis-1,2-Dichloroethene	1.3	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0017



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-009
Client Sample ID: 93007-3.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 16:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 20:47 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Tetrachloroethene	4.4	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 20:47 / rlo
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/30/02 20:47 / rlo
Surr: Dibromofluoromethane	98.2	%REC			70-130	SW8260B	10/30/02 20:47 / rlo
Surr: p-Bromofluorobenzene	98.3	%REC			80-120	SW8260B	10/30/02 20:47 / rlo
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/30/02 20:47 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0018



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-014

Client Sample ID: 93007-4.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 18:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1,1-Trichloroethane	1.7	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1,2-Trichloroethane	1.6	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1-Dichloroethane	4.6	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1-Dichloroethene	4.1	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Chloroform	4.4	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

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100745R0027



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Report Date: 11/04/02

Project: 93007 - HOBBS

Collection Date: 10/17/02 18:00

Lab ID: C02100745-014

Date Received: 10/22/02

Client Sample ID: 93007-4.10/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 00:41 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Tetrachloroethene	24	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 00:41 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/31/02 00:41 / rlo
Surr: Dibromofluoromethane	96.1	%REC			70-130	SW8260B	10/31/02 00:41 / rlo
Surr: p-Bromofluorobenzene	97.8	%REC			80-120	SW8260B	10/31/02 00:41 / rlo
Surr: Toluene-d8	99.5	%REC			80-120	SW8260B	10/31/02 00:41 / rlo

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0028



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-007

Client Sample ID: 93007-5.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 15:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	1.0		SW8260B	10/30/02 18:50 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,1-Dichloroethane	74	ug/L		2.5		SW8260B	10/31/02 13:41 / rlo
1,1-Dichloroethene	20	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2-Dichloroethane	1.1	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
2,2-Dichloropropane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
2-Chlorotoluene	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
4-Chlorotoluene	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Benzene	17	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Bromobenzene	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Bromochloromethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Bromodichloromethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Bromoform	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Bromomethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Carbon tetrachloride	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Chlorobenzene	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Chlorodibromomethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Chloroethane	1.1	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Chloroform	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Chloromethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
cis-1,2-Dichloroethene	16	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
cis-1,3-Dichloropropene	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	
Dibromomethane	ND	ug/L	1.0		SW8260B	10/30/02 18:50 / rlo	

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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100745R0013



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-007

Client Sample ID: 93007-5.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 15:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Ethylbenzene	2.5	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 18:50 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Tetrachloroethene	9.9	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Trichloroethene	6.4	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Vinyl chloride	2.0	ug/L		1.0		SW8260B	10/30/02 18:50 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/30/02 18:50 / rlo
Surr: Dibromofluoromethane	97.9	%REC			70-130	SW8260B	10/30/02 18:50 / rlo
Surr: p-Bromofluorobenzene	103	%REC			80-120	SW8260B	10/30/02 18:50 / rlo
Surr: Toluene-d8	102	%REC			80-120	SW8260B	10/30/02 18:50 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0014



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-008

Client Sample ID: 93007-6.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 15:30

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,1,1-Trichloroethane	5.2	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,1,2-Trichloroethane	2.2	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,1-Dichloroethane	56	ug/L	D	2.5		SW8260B	10/30/02 19:27 / rto
1,1-Dichloroethene	24	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2-Dichloroethane	2.4	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Chloroethane	1.0	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Chloroform	6.5	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
cis-1,2-Dichloroethene	4.6	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rto

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0015



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-008
Client Sample ID: 93007-6.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 15:30
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 20:07 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Tetrachloroethene	26	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Vinyl chloride	1.0	ug/L		1.0		SW8260B	10/30/02 20:07 / rlo
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/30/02 20:07 / rlo
Surr: Dibromofluoromethane	96.8	%REC			70-130	SW8260B	10/30/02 20:07 / rlo
Surr: p-Bromofluorobenzene	99.3	%REC			80-120	SW8260B	10/30/02 20:07 / rlo
Surr: Toluene-d8	99.7	%REC			80-120	SW8260B	10/30/02 20:07 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0016



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-010

Client Sample ID: 93007-7.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1-Dichloroethane	20	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1-Dichloroethene	6.2	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0019



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-010

Client Sample ID: 93007-7.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 22:04 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Tetrachloroethene	19	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Trichloroethene	1.8	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 22:04 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/30/02 22:04 / rlo
Surr: Dibromofluoromethane	99.1	%REC			70-130	SW8260B	10/30/02 22:04 / rlo
Surr: p-Bromofluorobenzene	101	%REC			80-120	SW8260B	10/30/02 22:04 / rlo
Surr: Toluene-d8	99.0	%REC			80-120	SW8260B	10/30/02 22:04 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0020



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-011

Client Sample ID: 93007-8.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:15

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1,1-Trichloroethane	9.9	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1,2-Trichloroethane	1.8	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1-Dichloroethane	5.6	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1-Dichloroethene	14	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2-Dichloroethane	2.7	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Chloroform	3.4	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0021



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-011

Client Sample ID: 93007-8.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:15

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 05:56 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Tetrachloroethene	150	ug/L	D	5.0		SW8260B	10/30/02 22:44 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 05:56 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/31/02 05:56 / rlo
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	10/31/02 05:56 / rlo
Surr: p-Bromofluorobenzene	99.8	%REC			80-120	SW8260B	10/31/02 05:56 / rlo
Surr: Toluene-d8	99.1	%REC			80-120	SW8260B	10/31/02 05:56 / rlo

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0022



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-013

Client Sample ID: 93007-9.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:45

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1-Dichloroethene	3.3	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0025



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-013
Client Sample ID: 93007-9.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 17:45
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 00:01 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Tetrachloroethene	14	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 00:01 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/31/02 00:01 / rlo
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	10/31/02 00:01 / rlo
Surr: p-Bromofluorobenzene	98.1	%REC			80-120	SW8260B	10/31/02 00:01 / rlo
Surr: Toluene-d8	97.5	%REC			80-120	SW8260B	10/31/02 00:01 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0026



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-012
Client Sample ID: 93007-10.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 17:30
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0023



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-012

Client Sample ID: 93007-10.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 17:30

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 23:23 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 23:23 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/30/02 23:23 / rlo
Surr: Dibromofluoromethane	97.9	%REC			70-130	SW8260B	10/30/02 23:23 / rlo
Surr: p-Bromofluorobenzene	102	%REC			80-120	SW8260B	10/30/02 23:23 / rlo
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/30/02 23:23 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0024



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-006
Client Sample ID: 93007-11.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 14:30
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1,2-Trichloroethane	1.0	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0011



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-006

Client Sample ID: 93007-11.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 14:30

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Ethylbenzene	2.1	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Isopropylbenzene	10	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 18:13 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
n-Propylbenzene	1.6	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
sec-Butylbenzene	1.3	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 18:13 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/30/02 18:13 / rlo
Surr: Dibromofluoromethane	98.8	%REC			70-130	SW8260B	10/30/02 18:13 / rlo
Surr: p-Bromofluorobenzene	105	%REC			80-120	SW8260B	10/30/02 18:13 / rlo
Surr: Toluene-d8	99.5	%REC			80-120	SW8260B	10/30/02 18:13 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0012



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-005

Client Sample ID: 93007-12.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 14:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0009



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-005
Client Sample ID: 93007-12.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 14:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 17:37 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 17:37 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/30/02 17:37 / rlo
Surr: Dibromofluoromethane	96.8	%REC			70-130	SW8260B	10/30/02 17:37 / rlo
Surr: p-Bromofluorobenzene	101	%REC			80-120	SW8260B	10/30/02 17:37 / rlo
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/30/02 17:37 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0010



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-004
Client Sample ID: 93007-13.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 13:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1-Dichloroethene	12	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
cis-1,2-Dichloroethene	NO	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Dibromomethane	NO	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0007



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-004
Client Sample ID: 93007-13.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 13:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 17:00 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Tetrachloroethene	14	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 17:00 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/30/02 17:00 / rlo
Surr: Dibromofluoromethane	96.2	%REC			70-130	SW8260B	10/30/02 17:00 / rlo
Surr: p-Bromofluorobenzene	102	%REC			80-120	SW8260B	10/30/02 17:00 / rlo
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/30/02 17:00 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0008



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-001

Client Sample ID: 93007-14.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 11:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1-Dichloroethene	3.6	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0001



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-001
Client Sample ID: 93007-14.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 11:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 15:06 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Tetrachloroethene	1.3	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 15:06 / rlo
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/30/02 15:06 / rlo
Surr: Dibromofluoromethane	95.7	%REC			70-130	SW8260B	10/30/02 15:06 / rlo
Surr: p-Bromofluorobenzene	101	%REC			80-120	SW8260B	10/30/02 15:06 / rlo
Surr: Toluene-d8	99.5	%REC			80-120	SW8260B	10/30/02 15:06 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0002



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-002
Client Sample ID: 93007-15.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 11:15
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1-Dichloroethene	1.6	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0003



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-002
Client Sample ID: 93007-15.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 11:15
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 15:43 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 15:43 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/30/02 15:43 / rlo
Surr: Dibromofluoromethane	97.9	%REC			70-130	SW8260B	10/30/02 15:43 / rlo
Surr: p-Bromofluorobenzene	100	%REC			80-120	SW8260B	10/30/02 15:43 / rlo
Surr: Toluene-d8	99.9	%REC			80-120	SW8260B	10/30/02 15:43 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0004



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-003

Client Sample ID: 93007-S04.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 11:30

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1-Dichloroethane	6.8	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1-Dichloroethene	5.1	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
cis-1,2-Dichloroethene	1.8	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0005



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-003
Client Sample ID: 93007-S04.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 11:30
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 16:23 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 16:23 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/30/02 16:23 / rlo
Surr: Dibromofluoromethane	95.7	%REC			70-130	SW8260B	10/30/02 16:23 / rlo
Surr: p-Bromofluorobenzene	97.8	%REC			80-120	SW8260B	10/30/02 16:23 / rlo
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/30/02 16:23 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-016

Client Sample ID: 93007-A.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 10:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0031



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-016
Client Sample ID: 93007-A.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 10:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 04:37 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 04:37 / rlo
Surr: 1,2-Dichlorobenzene-d4	101	%REC			80-120	SW8260B	10/31/02 04:37 / rlo
Surr: Dibromofluoromethane	99.6	%REC			70-130	SW8260B	10/31/02 04:37 / rlo
Surr: p-Bromofluorobenzene	99.7	%REC			80-120	SW8260B	10/31/02 04:37 / rlo
Surr: Toluene-d8	97.6	%REC			80-120	SW8260B	10/31/02 04:37 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0032



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 - HOBBS
Lab ID: C02100745-017
Client Sample ID: 93007-B.10/02

Report Date: 11/04/02
Collection Date: 10/17/02 09:00
Date Received: 10/22/02
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0033



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-017

Client Sample ID: 93007-B.10/02

Report Date: 11/04/02

Collection Date: 10/17/02 09:00

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/31/02 05:16 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Tetrachloroethene	1.4	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/31/02 05:16 / rlo
Surr: 1,2-Dichlorobenzene-d4	99.3	%REC			80-120	SW8260B	10/31/02 05:16 / rlo
Surr: Dibromofluoromethane	102	%REC			70-130	SW8260B	10/31/02 05:16 / rlo
Surr: p-Bromofluorobenzene	98.7	%REC			80-120	SW8260B	10/31/02 05:16 / rlo
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/31/02 05:16 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0034



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 - HOBBS

Lab ID: C02100745-018

Client Sample ID: Trip Blank

Report Date: 11/04/02

Collection Date: 10/08/02 11:30

Date Received: 10/22/02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Benzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Bromobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Bromoform	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Bromomethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Chloroethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Chloroform	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Chloromethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Dibromomethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100745R0035



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Report Date: 11/04/02

Project: 93007 - HOBBS

Collection Date: 10/08/02 11:30

Lab ID: C02100745-018

Date Received: 10/22/02

Client Sample ID: Trip Blank

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/30/02 14:27 / rlo
Methylene chloride	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Naphthalene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
o-Xylene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Styrene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Toluene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Trichloroethene	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/30/02 14:27 / rlo
Surr: 1,2-Dichlorobenzene-d4	102	%REC			80-120	SW8260B	10/30/02 14:27 / rlo
Surr: Dibromofluoromethane	96.5	%REC			70-130	SW8260B	10/30/02 14:27 / rlo
Surr: p-Bromofluorobenzene	101	%REC			80-120	SW8260B	10/30/02 14:27 / rlo
Surr: Toluene-d8	97.7	%REC			80-120	SW8260B	10/30/02 14:27 / rlo

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

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

TRACKING NO. PAGE NO.

100745R0036



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 - HOBBS

Report Date: 11/04/02

Work Order: C02100745

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R15569		
Sample ID: C02100745-001A							10/31/02 09:49		
Matrix Spike									
1,2-Dichlorobenzene	100	ug/L	5.0	101	80	140			
1,2-Dichloropropane	100	ug/L	5.0	100	65	125			
Chlorobenzene	100	ug/L	5.0	99.5	75	135			
cis-1,2-Dichloroethene	100	ug/L	5.0	99.5	80	140			
Ethylbenzene	99	ug/L	5.0	99.4	70	130			
m+p-Xylenes	97	ug/L	5.0	97.2	70	130			
o-Xylene	110	ug/L	5.0	107	70	130			
Styrene	79	ug/L	5.0	78.9	70	130			
Tetrachloroethene	92	ug/L	5.0	91.1	70	130			
Toluene	97	ug/L	5.0	97.4	70	130			
trans-1,2-Dichloroethene	91	ug/L	5.0	91.3	80	140			
Surr: 1,2-Dichlorobenzene-d4			5.0	105	80	120			
Surr: Dibromofluoromethane			5.0	99.6	70	130			
Surr: p-Bromofluorobenzene			5.0	102	80	120			
Surr: Toluene-d8			5.0	100	80	120			
Sample ID: C02100745-013A							10/31/02 02:39		
Matrix Spike									
1,1,1-Trichloroethane	97	ug/L	5.0	96.2	60	120			
1,1-Dichloroethene	99	ug/L	5.0	96	80	140			
1,2-Dichloroethane	90	ug/L	5.0	89.7	60	120			
1,4-Dichlorobenzene	86	ug/L	5.0	86.4	80	140			
Benzene	100	ug/L	5.0	101	70	130			
Bromodichloromethane	100	ug/L	5.0	101	65	125			
Bromoform	82	ug/L	5.0	81.5	65	125			
Carbon tetrachloride	110	ug/L	5.0	107	60	120			
Chlorodibromomethane	90	ug/L	5.0	89.7	70	130			
Chloroform	100	ug/L	5.0	99.4	70	130			
Trichloroethene	98	ug/L	5.0	98.2	70	130			
Vinyl chloride	84	ug/L	5.0	84.2	60	120			
Surr: 1,2-Dichlorobenzene-d4			5.0	102	80	120			
Surr: Dibromofluoromethane			5.0	98.5	70	130			
Surr: p-Bromofluorobenzene			5.0	97.1	80	120			
Surr: Toluene-d8			5.0	98.2	80	120			
Sample ID: C02100745-001A							10/31/02 10:31		
Matrix Spike Duplicate									
1,2-Dichlorobenzene	99	ug/L	5.0	99.1	80	140	2.1	20	
1,2-Dichloropropane	96	ug/L	5.0	96.4	65	125	4.0	20	
Chlorobenzene	96	ug/L	5.0	96.2	75	135	3.4	20	
cis-1,2-Dichloroethene	95	ug/L	5.0	95.2	80	140	4.4	20	
Ethylbenzene	95	ug/L	5.0	95	70	130	4.5	20	
m+p-Xylenes	97	ug/L	5.0	97.1	70	130	0.1	20	
o-Xylene	100	ug/L	5.0	104	70	130	2.6	20	
Styrene	87	ug/L	5.0	87.3	70	130	10	20	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

TRACKING NO. PAGE NO.

100745R0037



QA/QC Summary Report

Client: Western Water Consultants
Project: 93007 - HOBBS

Report Date: 11/04/02
Work Order: C02100745

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R15569
Sample ID: C02100745-001A									10/31/02 10:31
Matrix Spike Duplicate									
Tetrachloroethene	89	ug/L	5.0	87.4	70	130	4.1	20	
Toluene	93	ug/L	5.0	93	70	130	4.6	20	
trans-1,2-Dichloroethene	92	ug/L	5.0	92.5	80	140	1.3	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	100	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	101	80	120	0	10	
Surr: Toluene-d8			5.0	99.2	80	120	0	10	
Sample ID: C02100745-013A									10/31/02 03:18
Matrix Spike Duplicate									
1,1,1-Trichloroethane	100	ug/L	5.0	99.1	60	120	2.9	20	
1,1-Dichloroethene	100	ug/L	5.0	102	80	140	5.5	20	
1,2-Dichloroethane	93	ug/L	5.0	92.8	60	120	3.4	20	
1,4-Dichlorobenzene	98	ug/L	5.0	98.5	80	140	13	20	
Benzene	100	ug/L	5.0	105	70	130	3.9	20	
Bromodichloromethane	110	ug/L	5.0	110	65	125	8.3	20	
Bromoform	88	ug/L	5.0	87.5	65	125	7.1	20	
Carbon tetrachloride	110	ug/L	5.0	112	60	120	4.7	20	
Chlorodibromomethane	96	ug/L	5.0	96.4	70	130	7.2	20	
Chloroform	100	ug/L	5.0	102	70	130	3.0	20	
Trichloroethene	100	ug/L	5.0	102	70	130	4.2	20	
Vinyl chloride	89	ug/L	5.0	88.9	60	120	5.4	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	103	80	120	0	10	
Surr: Dibromofluoromethane			5.0	98.1	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	98.4	80	120	0	10	
Surr: Toluene-d8			5.0	97.9	80	120	0	10	

Qualifiers: ND - Not Detected at the Reporting Limit
R - RPD outside of recommended recovery limits

S - Spike Recovery outside of recommended recovery limits

TRACKING NO. PAGE NO.

100745R0038



Chain of Custody and Analytical Request Record

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

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: 93007 - HOBBS	
Report Address: 611 SKYLINE RD LARAMIE, WY 82070		Contact Name, Phone, Fax, E-mail: Rich Decker 307 742 0031	
Invoice Address: SARE		Purchase Order #: 93007.4 ELI Quote #:	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		ANALYSIS REQUESTED	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time
1 93007 - 14.10.02	10/17/02	11:00	3:00
2 93007 - 15.10.02		11:15	
3 93007 - 504.10.02		11:30	
4 93007 - 13.10.02		13:00	
5 93007 - 12.10.02		14:00	
6 93007 - 11.10.02		14:30	
7 93007 - 5.10.02		15:00	
8 93007 - 6.10.02		15:30	
9 93007 - 3.10.02		16:00	
10 93007 - 7.10.02		17:00	
Relinquished by: Rich Decker		Date/Time: 10/21/02 15:00	Shipped by: UPS
Relinquished by:		Date/Time:	Shipped by:
Custody Record MUST be Signed		LABORATORY USE ONLY	
Sample Disposal: _____ Return to client: _____		Sample Type: _____ # of fractions _____	
Relinquished by: Subira Edward		Date/Time: 10/21/02 10:00	Received by: _____
Relinquished by:		Date/Time:	Received by:
Receipt Temp: 22 °C		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Cooler ID(s): 421		Comments:	
Custody Seal: (Y) N		RUSH Turnaround (TAT)	
Intact: (Y) N		Normal Turnaround (TAT)	
Signature Match: (Y) N		SEE ATTACHED	
Lab ID: CO2100745		LABORATORY USE ONLY	

100745R0039



Chain of Custody and Analytical Request Record

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

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: 93007- HOBBS	
Report Address: 611 SKYLINE RD LABORIE WY 02070		Contact Name, Phone, Fax, E-mail: Rick Devere 307 742 0031	
Invoice Address: SAME		Purchase Order #: 93007.4 ELI Quote #:	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		ANALYSIS REQUESTED SEE ATTACHED	
Number of Containers Sample Type: A W S V U O Air Water Soils/Solids Vegetation Urine Other		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments:	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Receipt Temp _____ °C Cooler ID(s) _____ Custody Seal Y N Intact Y N Signature Y N Match _____ Lab ID _____	
Collection Date		RUSH Turnaround (TAT) _____ Normal Turnaround (TAT) _____	
Collection Time		LABORATORY USE ONLY	
1 93007 - 8.10.02		1451 REPORT	
2 93007 - 10.10.02		UNIT WHERE	
3 93007 - 9.10.02		PRACTICABLE	
4 93007 - 4.10.02			
5 93007 - 2.10.02			
6 93007 - A.10.02			
7 93007 - B.10.02			
TRIP BLANK			
10/8/02 11:30			
per bottle			
Relinquished by: RWD		Shipped by: UPS	
Relinquished by: THE		Shipped by: 10/22/02	
Date/Time: 10/22/02 15:00		Date/Time: 10/22/02 10:00	
Custody Record MUST be Signed		LABORATORY USE ONLY	
Sample Disposal: _____		Sample Type: _____ # of fractions _____	
Return to client: _____		Lab Disposal: _____	

100745R0040

Energy Laboratories Inc.

Sample Receipt Checklist

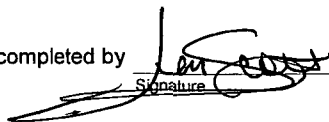
Client Name WSTRN-WTR-CNSLTNTS-LR

Date and Time Received: 10/22/2002 10:00:00

Work Order Number C02100745

Received by tae

Checklist completed by



10/22/02

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

2 °C

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

Not Applicable ☒

Adjusted?

Checked by

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

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

TRACKING NO. PAGE NO.

100745R0041



ANALYTICAL SUMMARY REPORT

November 04, 2002

Rick Deuell

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C02100745

Project Name: 93007 - HOBBS

Energy Laboratories Inc. received the following 18 samples from Western Water Consultants on 10/22/2002 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C02100745-001	93007-14.10/02	10/17/02 11:00	10/22/02	Aqueous	SW8260B VOCs, Standard List VOC Preservation Check
C02100745-002	93007-15.10/02	10/17/02 11:15	10/22/02	Aqueous	Same As Above
C02100745-003	93007-S04.10/02	10/17/02 11:30	10/22/02	Aqueous	Same As Above
C02100745-004	93007-13.10/02	10/17/02 13:00	10/22/02	Aqueous	Same As Above
C02100745-005	93007-12.10/02	10/17/02 14:00	10/22/02	Aqueous	Same As Above
C02100745-006	93007-11.10/02	10/17/02 14:30	10/22/02	Aqueous	Same As Above
C02100745-007	93007-5.10/02	10/17/02 15:00	10/22/02	Aqueous	Same As Above
C02100745-008	93007-6.10/02	10/17/02 15:30	10/22/02	Aqueous	Same As Above
C02100745-009	93007-3.10/02	10/17/02 16:00	10/22/02	Aqueous	Same As Above
C02100745-010	93007-7.10/02	10/17/02 17:00	10/22/02	Aqueous	Same As Above
C02100745-011	93007-8.10/02	10/17/02 17:15	10/22/02	Aqueous	Same As Above
C02100745-012	93007-10.10/02	10/17/02 17:30	10/22/02	Aqueous	Same As Above
C02100745-013	93007-9.10/02	10/17/02 17:45	10/22/02	Aqueous	Same As Above
C02100745-014	93007-4.10/02	10/17/02 18:00	10/22/02	Aqueous	Same As Above
C02100745-015	93007-2.10/02	10/17/02 18:15	10/22/02	Aqueous	Same As Above
C02100745-016	93007-A.10/02	10/17/02 10:00	10/22/02	Aqueous	Same As Above
C02100745-017	93007-B.10/02	10/17/02 09:00	10/22/02	Aqueous	Same As Above
C02100745-018	Trip Blank	10/08/02 11:30	10/22/02	Aqueous	Same As Above

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

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

Report Approved By:

TRACKING NO. PAGE NO.

100745R0042



Date: 04-Nov-02

CLIENT: Western Water Consultants
Project: 93007 - HOBBS
Sample Delivery Group: C02100745

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

SUBCONTRACTING ANALYSIS

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

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

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

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

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

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

TRACKING NO. PAGE NO.

100745R0043



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C02100643-001
Client Sample ID: 93007 - WP.10/02

Report Date: 10/24/02
Collection Date: 10/17/02 16:15
Date Received: 10/18/02
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2,4-Trimethylbenzene	6.7	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,3,5-Trimethylbenzene	3.2	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Benzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Bromoform	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Bromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Chloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Chloroform	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Chloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo

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

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

TRANSMISSION PAGE NO.

1006430000



ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C02100643-001
Client Sample ID: 93007 - WP.10/02

Report Date: 10/24/02
Collection Date: 10/17/02 16:15
Date Received: 10/18/02
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
m+p-Xylenes	2.8	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/18/02 14:52 / rlo
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Naphthalene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
n-Propylbenzene	1.0	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
o-Xylene	3.8	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Styrene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Tetrachloroethene	4.6	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Toluene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/18/02 14:52 / rlo
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/18/02 14:52 / rlo
Surr: Dibromofluoromethane	99.9	%REC			80-120	SW8260B	10/18/02 14:52 / rlo
Surr: p-Bromofluorobenzene	106	%REC			80-120	SW8260B	10/18/02 14:52 / rlo
Surr: Toluene-d8	105	%REC			80-120	SW8260B	10/18/02 14:52 / rlo

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

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

TRANSFERRING TO FILE NO.
100643R00002



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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C02100643-002

Client Sample ID: 93007 - AD.10/02

Report Date: 10/24/02

Collection Date: 10/17/02 16:30

Date Received: 10/18/02

Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Benzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Bromoform	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Bromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Chloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Chloroform	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Chloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo

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

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

TRANSF. FILED.

100643-00003



ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C02100643-002

Client Sample ID: 93007 - AD.10/02

Report Date: 10/24/02

Collection Date: 10/17/02 16:30

Date Received: 10/18/02

Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/18/02 15:29 / rlo
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Naphthalene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
o-Xylene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Styrene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Tetrachloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Toluene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/18/02 15:29 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/18/02 15:29 / rlo
Surr: Dibromofluoromethane	99.2	%REC			80-120	SW8260B	10/18/02 15:29 / rlo
Surr: p-Bromofluorobenzene	103	%REC			80-120	SW8260B	10/18/02 15:29 / rlo
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/18/02 15:29 / rlo

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

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

TRAILER # 7022 RC.
100543K0006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C02100643-003
Client Sample ID: 93007 - UST.10/02

Report Date: 10/24/02
Collection Date: 10/17/02 16:45
Date Received: 10/18/02
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Benzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Bromoform	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Bromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Chloroethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Chloroform	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Chloromethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo

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

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

10064380665



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LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C02100643-003
Client Sample ID: 93007 - UST.10/02

Report Date: 10/24/02
Collection Date: 10/17/02 16:45
Date Received: 10/18/02
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/18/02 18:13 / rlo
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Naphthalene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
o-Xylene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Styrene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Tetrachloroethene	13.8	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Toluene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/18/02 18:13 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/18/02 18:13 / rlo
Surr: Dibromofluoromethane	95.3	%REC			80-120	SW8260B	10/18/02 18:13 / rlo
Surr: p-Bromofluorobenzene	102	%REC			80-120	SW8260B	10/18/02 18:13 / rlo
Surr: Toluene-d8	102	%REC			80-120	SW8260B	10/18/02 18:13 / rlo

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

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

TRANSDATA FILE NO.
10064300000



QA/QC Summary Report

Client: Western Water Consultants

Project: 93007 Hobbs

Report Date: 10/24/02

Work Order: C02100643

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R15110		
Sample ID: C02100643-002A							10/18/02 19:19		
Matrix Spike									
1,1,1-Trichloroethane	9.91	mg/m3	1.00	99.1	70	130			
1,1-Dichloroethene	10.1	mg/m3	1.00	101	70	130			
1,2-Dichloroethane	8.84	mg/m3	1.00	88.4	70	130			
1,4-Dichlorobenzene	10.8	mg/m3	1.00	108	70	130			
Benzene	10.5	mg/m3	1.00	105	70	130			
Bromodichloromethane	10.3	mg/m3	1.00	103	70	130			
Bromoform	8.36	mg/m3	1.00	83.6	70	130			
Carbon tetrachloride	11.3	mg/m3	1.00	113	70	130			
Chlorodibromomethane	9.32	mg/m3	1.00	93.2	70	130			
Chloroform	9.63	mg/m3	1.00	96.3	70	130			
Trichloroethene	10.2	mg/m3	1.00	102	70	130			
Vinyl chloride	10.3	mg/m3	1.00	103	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.00	99.3	80	120			
Surr: Dibromofluoromethane			1.00	95.6	80	120			
Surr: p-Bromofluorobenzene			1.00	99.9	80	120			
Surr: Toluene-d8			1.00	99.6	80	120			
Sample ID: C02100643-002A							10/18/02 19:56		
Matrix Spike Duplicate									
1,1,1-Trichloroethane	9.60	mg/m3	1.00	96	70	130	3.2	20	
1,1-Dichloroethene	9.79	mg/m3	1.00	97.9	70	130	3.1	20	
1,2-Dichloroethane	8.75	mg/m3	1.00	87.5	70	130	1.0	20	
1,4-Dichlorobenzene	10.5	mg/m3	1.00	105	70	130	2.4	20	
Benzene	10.2	mg/m3	1.00	103	70	130	2.2	20	
Bromodichloromethane	10.3	mg/m3	1.00	103	70	130	0.3	20	
Bromoform	8.73	mg/m3	1.00	87.3	70	130	4.3	20	
Carbon tetrachloride	11.0	mg/m3	1.00	110	70	130	2.5	20	
Chlorodibromomethane	9.48	mg/m3	1.00	94.8	70	130	1.7	20	
Chloroform	9.73	mg/m3	1.00	97.3	70	130	1.0	20	
Trichloroethene	9.99	mg/m3	1.00	99.9	70	130	2.2	20	
Vinyl chloride	9.90	mg/m3	1.00	99	70	130	3.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.00	101	80	120	0	10	
Surr: Dibromofluoromethane			1.00	97	80	120	0	10	
Surr: p-Bromofluorobenzene			1.00	101	80	120	0	10	
Surr: Toluene-d8			1.00	99.7	80	120	0	10	

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside of recommended recovery limits

R - RPD outside of recommended recovery limits

TRAC INC. 10/24/02

10064340007



Chain of Custody and Analytical Request Record

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

Page 1 of 1

Company Name: <u>WUX</u>		Project Name, PWS #, Permit #, Etc.: <u>93007 HABBS</u>	
Report Address: <u>CA SKYLINE RD</u>		Contact Name, Phone, Fax, E-mail: <u>RICK DENEW</u>	
Invoice Address: <u>SAME</u>		Purchase Order #: <u>93007.5</u>	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Comments:	
EDD/EDT ☐ Format _____		Receipt Temp <u>N/A</u> °C	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Cooler ID(s) <u>Client</u>	
Collection Date		Custody Seal <u>Y</u> <u>N</u>	
Collection Time		Intact <u>Y</u> <u>N</u>	
1 <u>93007-WP-10/02-10/17/02 16:15</u>		Signature Match <u>Y</u> <u>N</u>	
2 <u>93007-AD-10/02-10/30</u>		Lab ID	
3 <u>93007-UST-10/02-10/15</u>		LABORATORY USE ONLY	
4			
5			
6			
7			
8			
9			
10			
Custody Record MUST be Signed		Received by: <u>[Signature]</u> Date/Time: <u>10/16/02 10:00</u>	
Relinquished by: <u>[Signature]</u> Date/Time: <u>10/17/02 17:00</u>		Received by: <u>[Signature]</u> Date/Time: <u>10/16/02 10:00</u>	
Sample Disposal: _____ Return to client: _____		LABORATORY USE ONLY	
Sample Type: _____ # of fractions _____			

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: WSTRN-WTR-CNSLTNTS-LR

Date and Time Received:

10/18/2002 10:00:00

Work Order Number C02100643

Received by:

ks

Checklist completed by

Keri Schneider 10/18/02
Signature Date

Reviewed by

Initials

Date

Carrier name: UPS

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

Adjusted? _____

Checked by _____

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

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

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

TRANSMISSION PAGE NO.

100643R0009



ANALYTICAL SUMMARY REPORT

October 24, 2002

Rick Deuell

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C02100643

Project Name: 93007 Hobbs

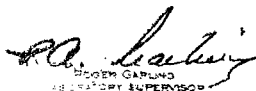
Energy Laboratories Inc. received the following 3 samples from Western Water Consultants on 10/18/2002 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C02100643-001	93007 - WP.10/02	10/17/02 16:15	10/18/02	Air	SW8260B VOCs, Standard List
C02100643-002	93007 - AD.10/02	10/17/02 16:30	10/18/02	Air	Same As Above
C02100643-003	93007 - UST.10/02	10/17/02 16:45	10/18/02	Air	Same As Above

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

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

Report Approved By:


ROBERT CARLSON
LABORATORY SUPERVISOR

TRANSMISSION FILED

10064300010



Date: 24-Oct-02

CLIENT: Western Water Consultants
Project: 93007 Hobbs
Sample Delivery Group: C02100643

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

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

SUBCONTRACTING ANALYSIS

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

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

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

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

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

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

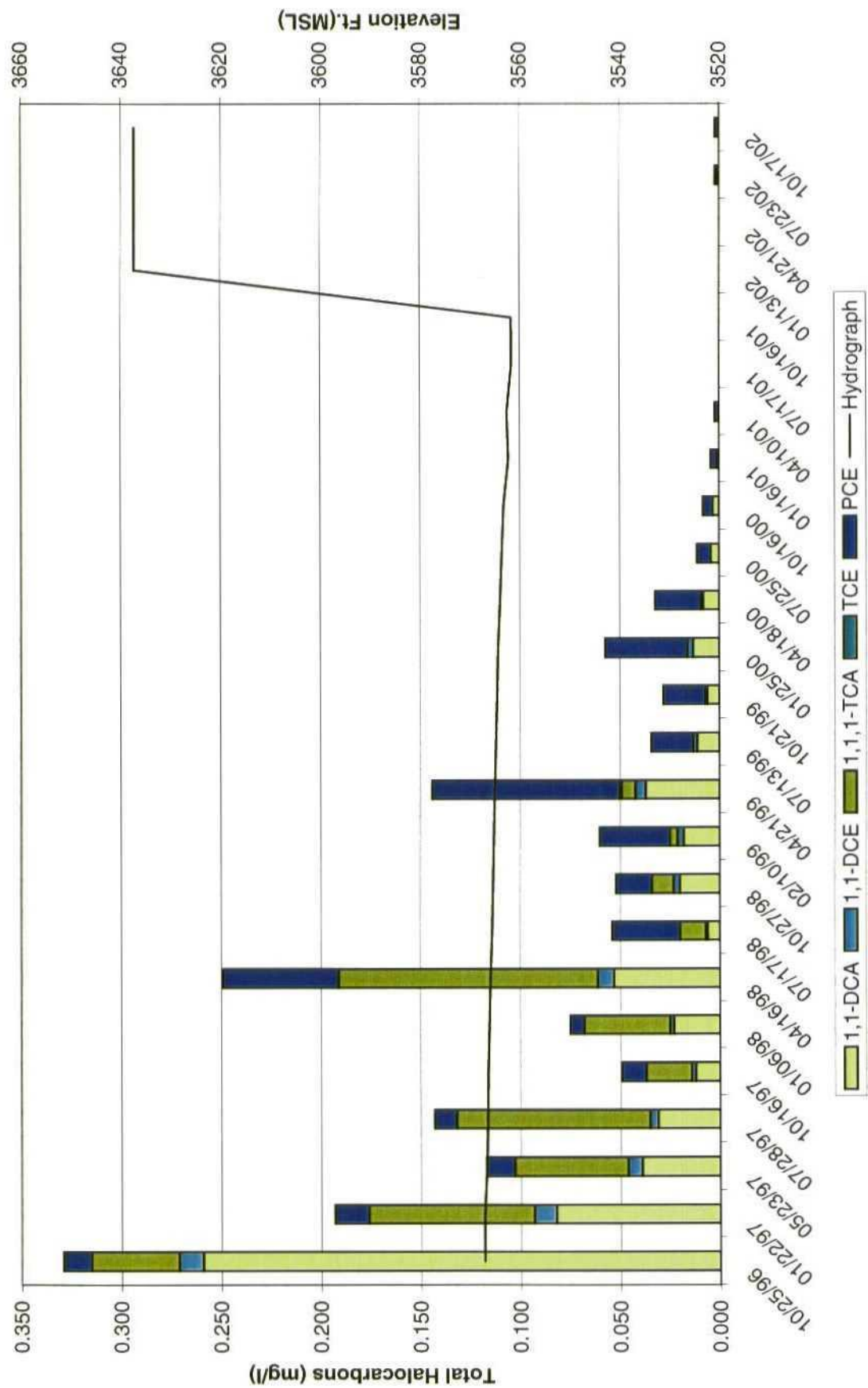
TRACKING NO. PAGE NO.

100546R0011

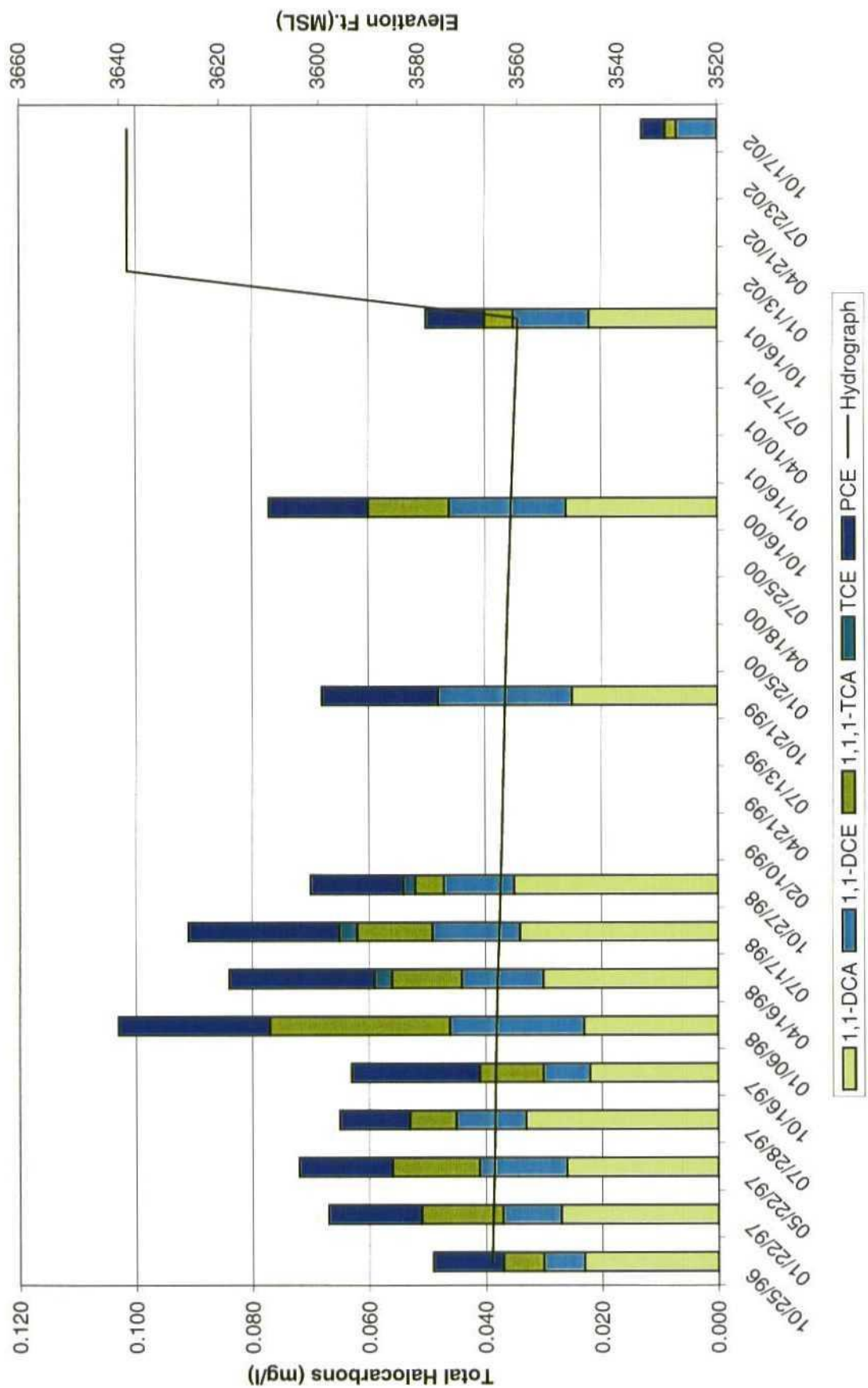
APPENDIX B

Halocarbons and Ground-water Level Plots

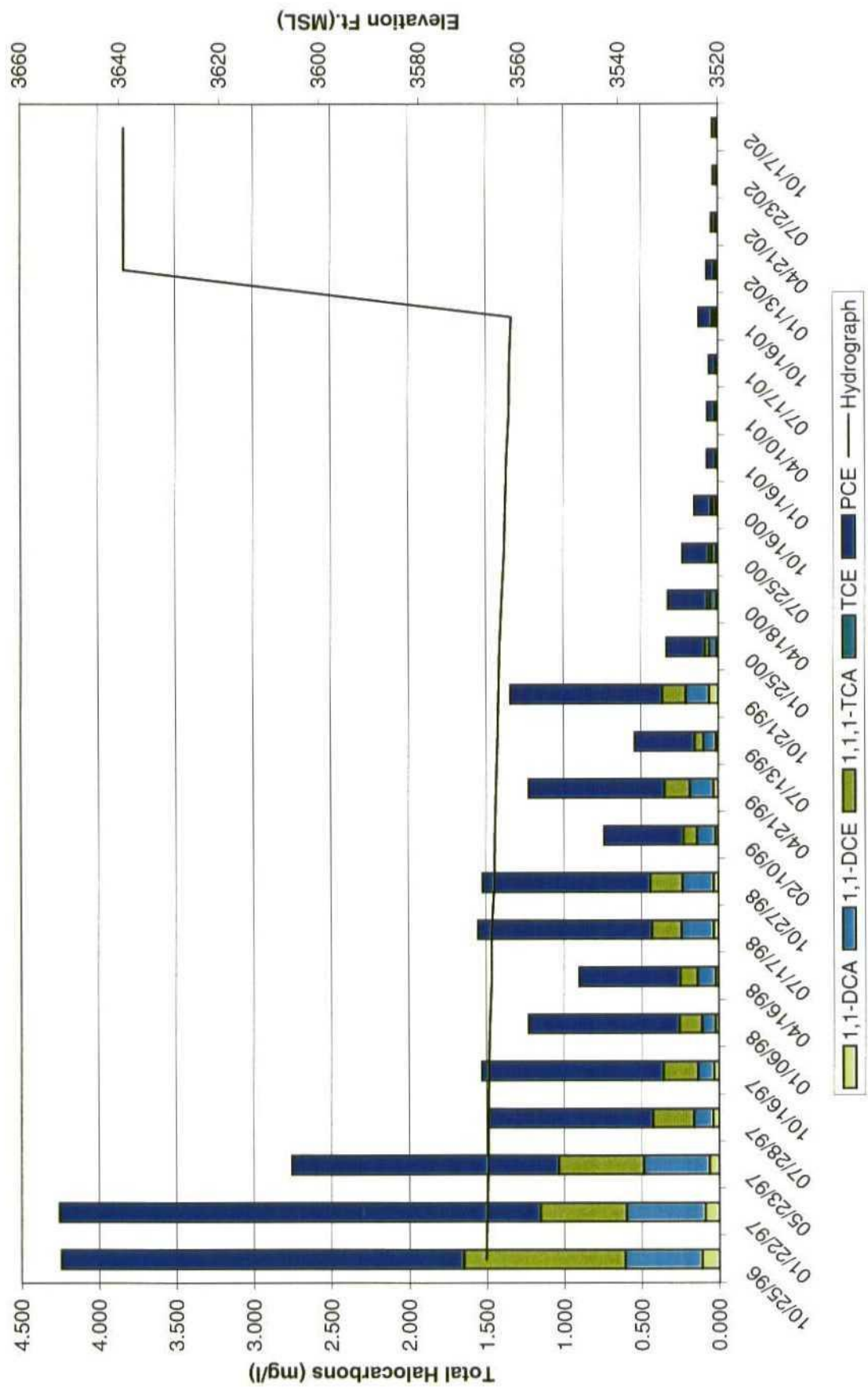
Monitoring Well MW-2



Monitoring Well MW-3



Monitoring Well MW-4



Monitoring Well MW-5

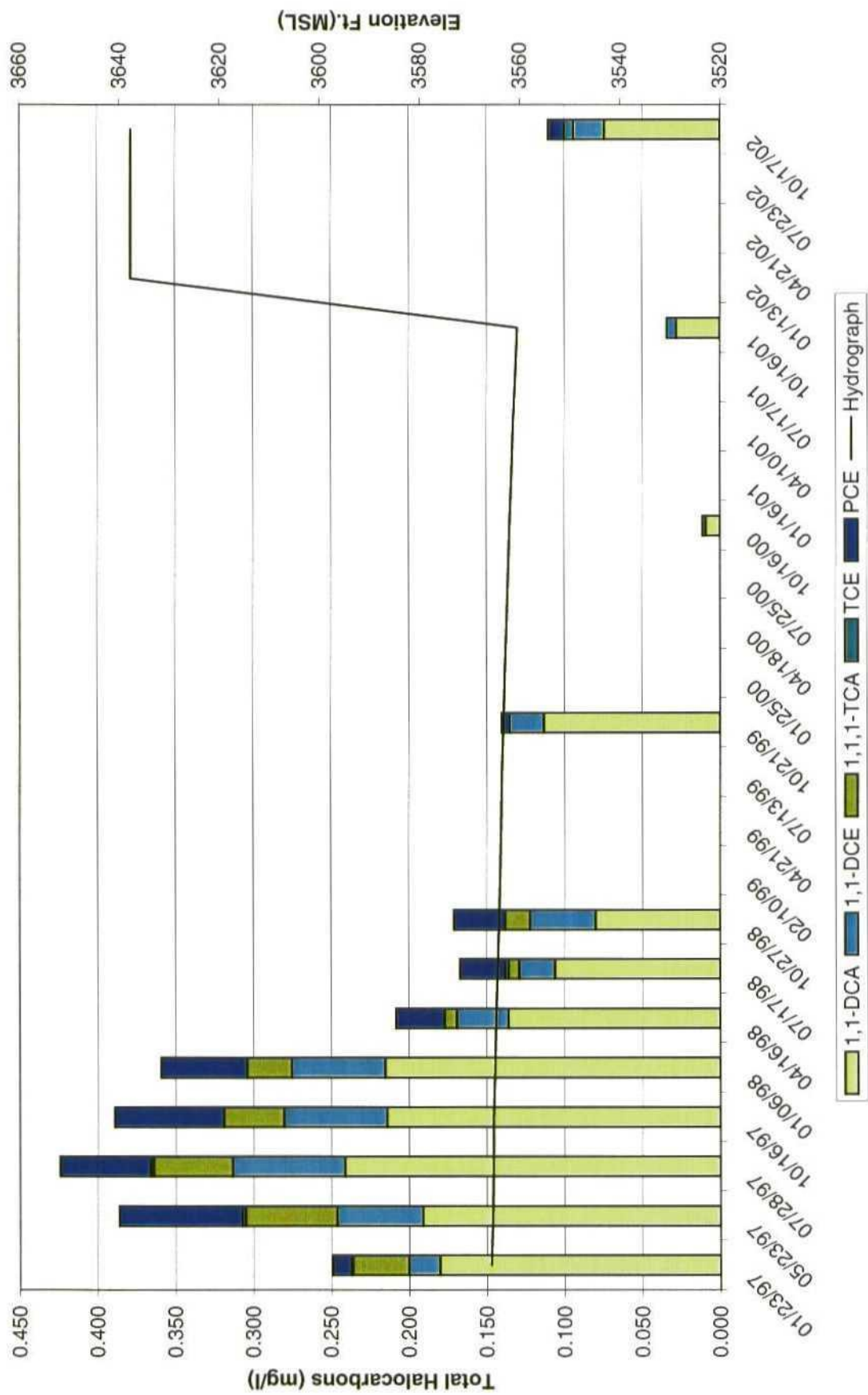
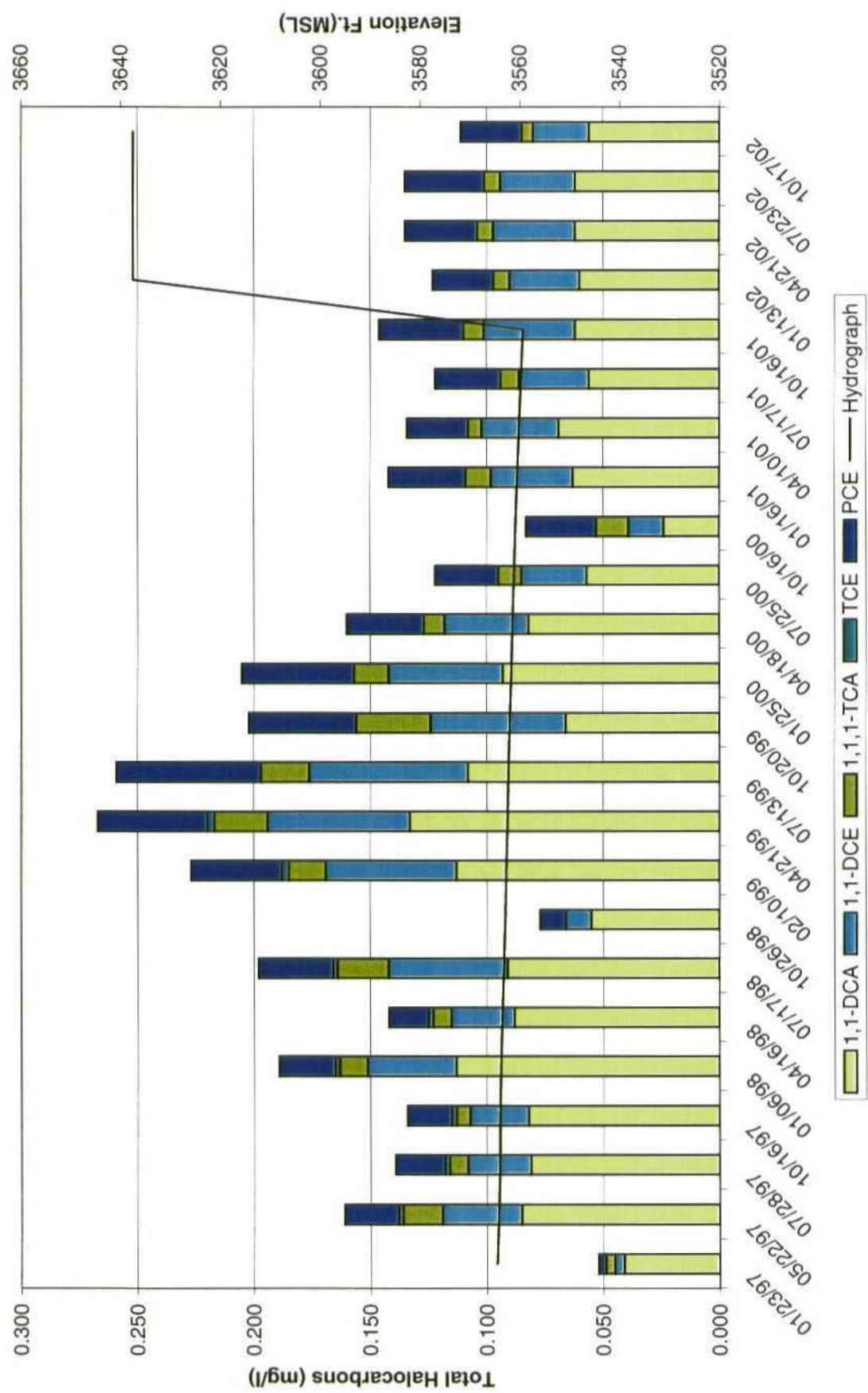
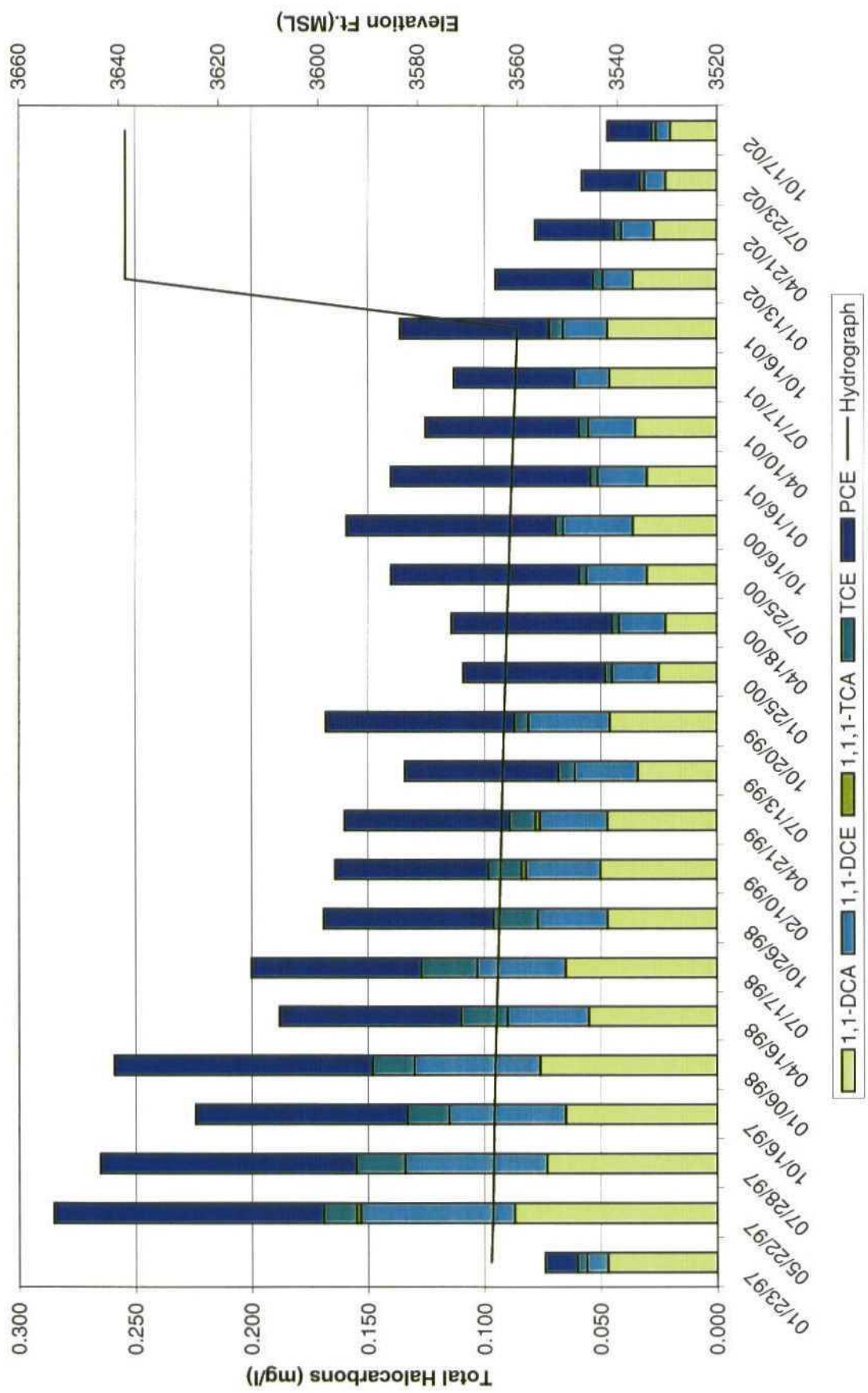
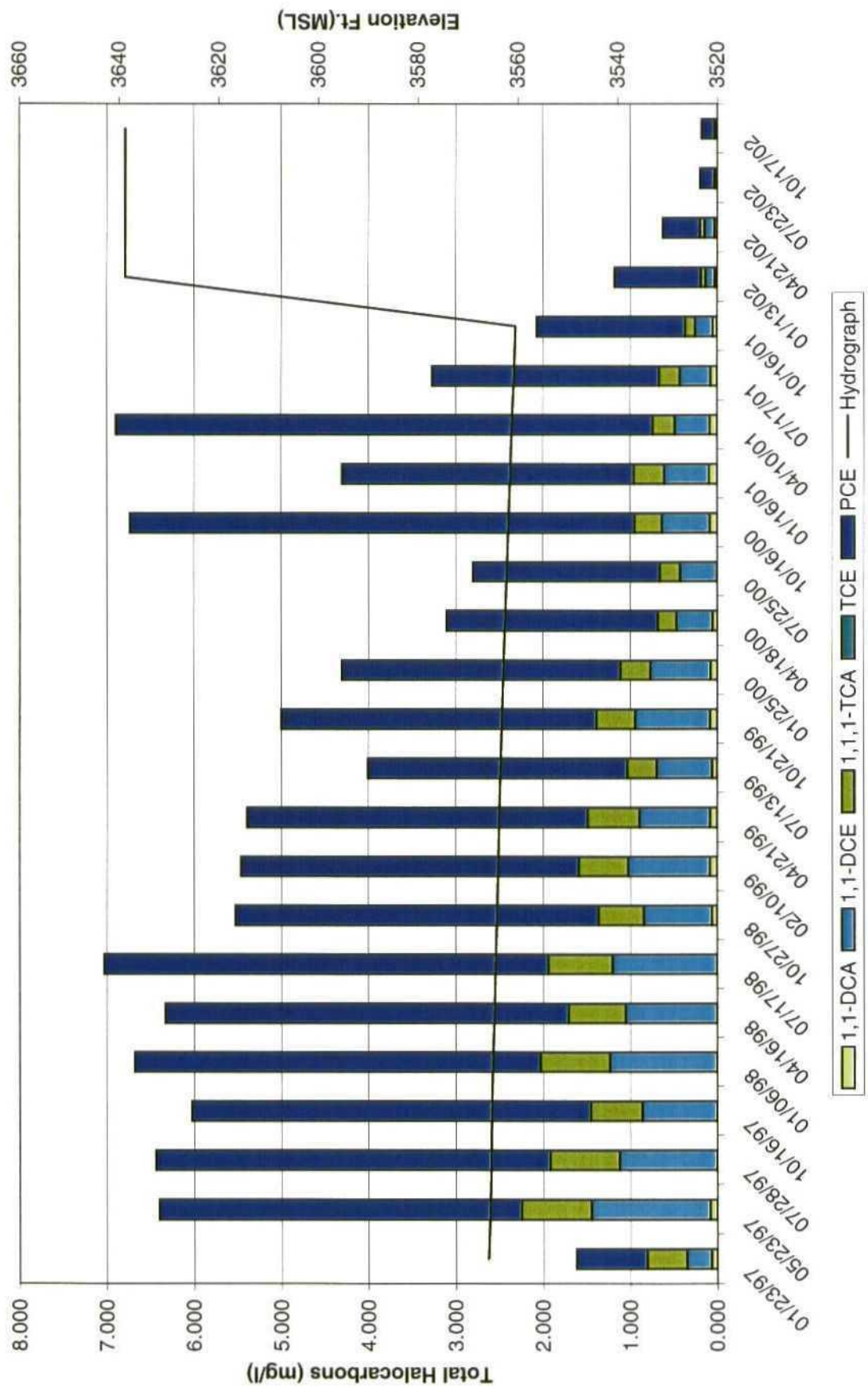


Figure 1 is a dual-axis chart showing the relationship between Total Halocarbons (mg/l) and Elevation Ft.(MSL) over time from 01/23/97 to 10/17/02. The left y-axis represents Total Halocarbons (mg/l) from 0.000 to 0.300. The right y-axis represents Elevation Ft.(MSL) from 3520 to 3660. The chart includes stacked bars for 1,1-DCA (yellow), 1,1-DCE (blue), 1,1,1-TCA (green), and PCE (dark blue). A vertical line at approximately 0.11 mg/l indicates the MCL. A hydrograph line shows elevation changes, with a notable drop in late 1999/early 2000.

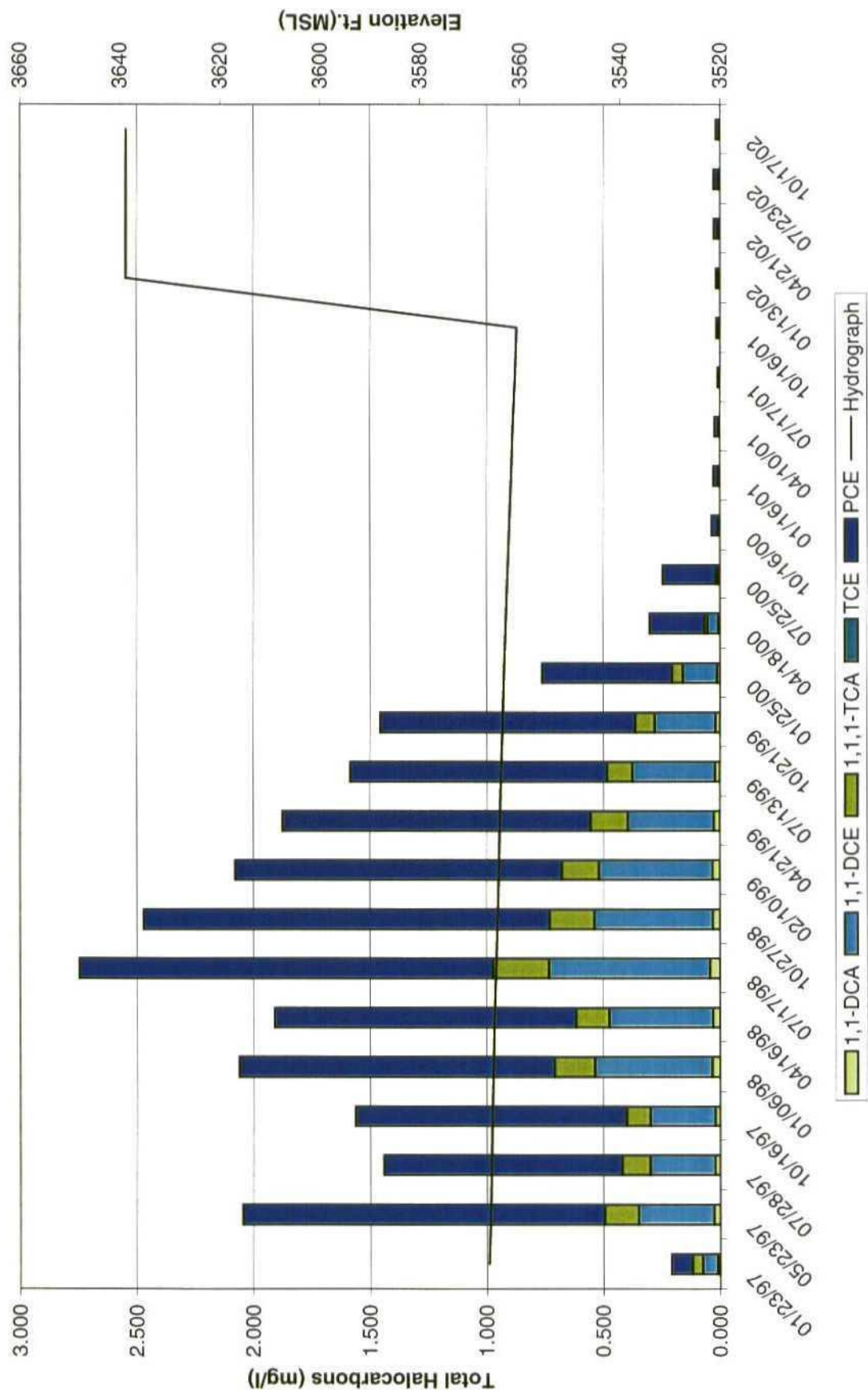




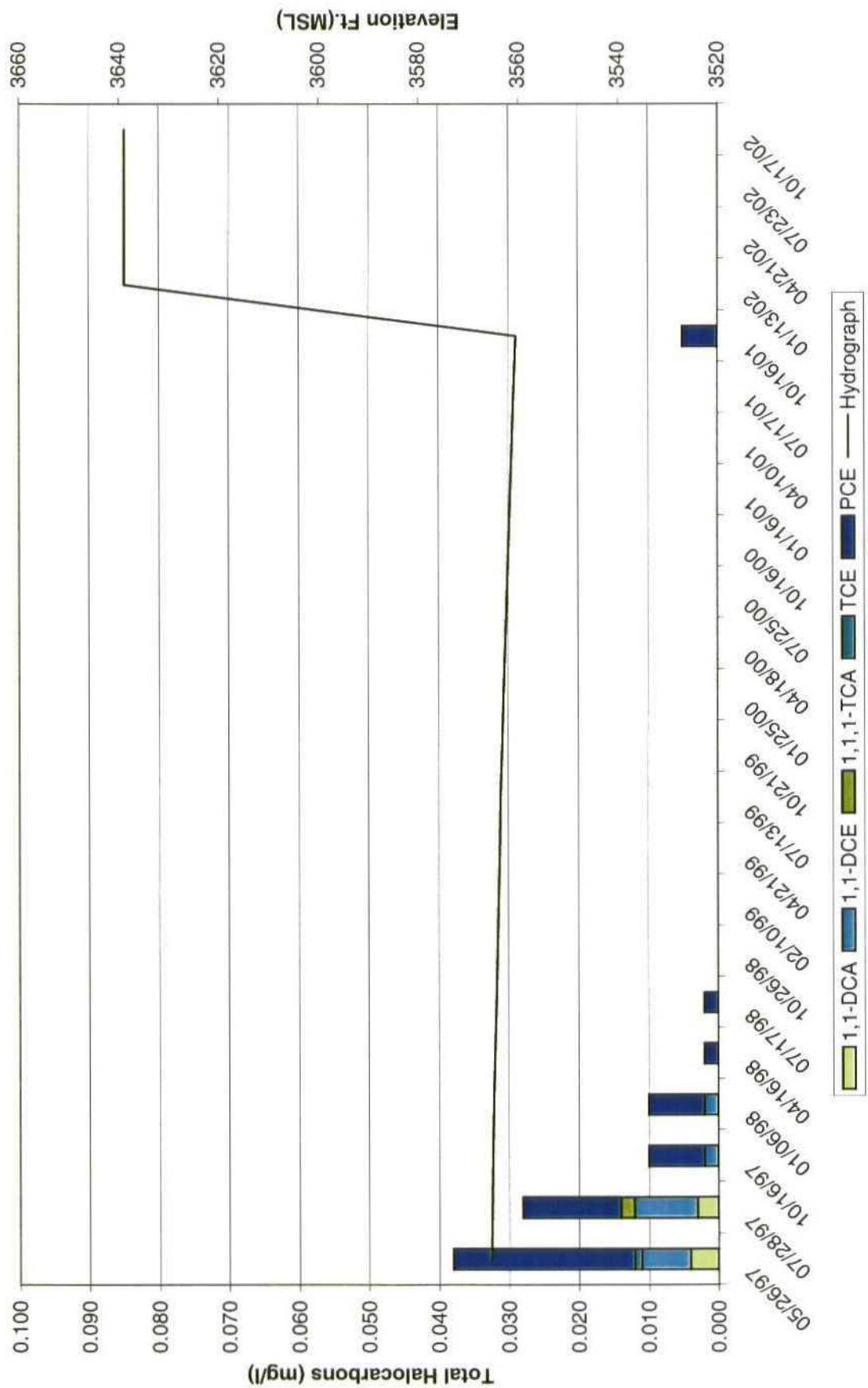
Monitoring Well MW-8



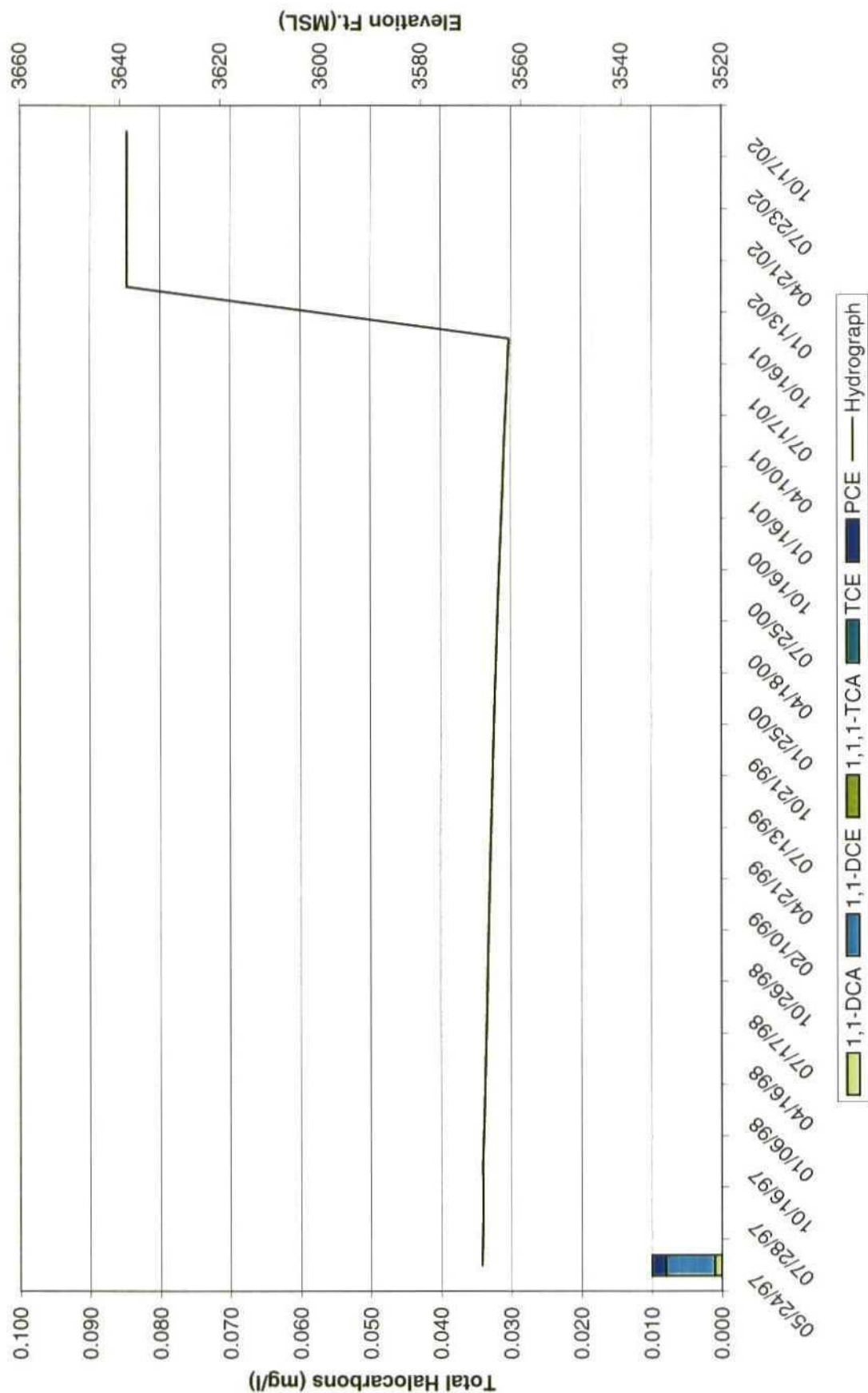
Monitoring Well MW-9



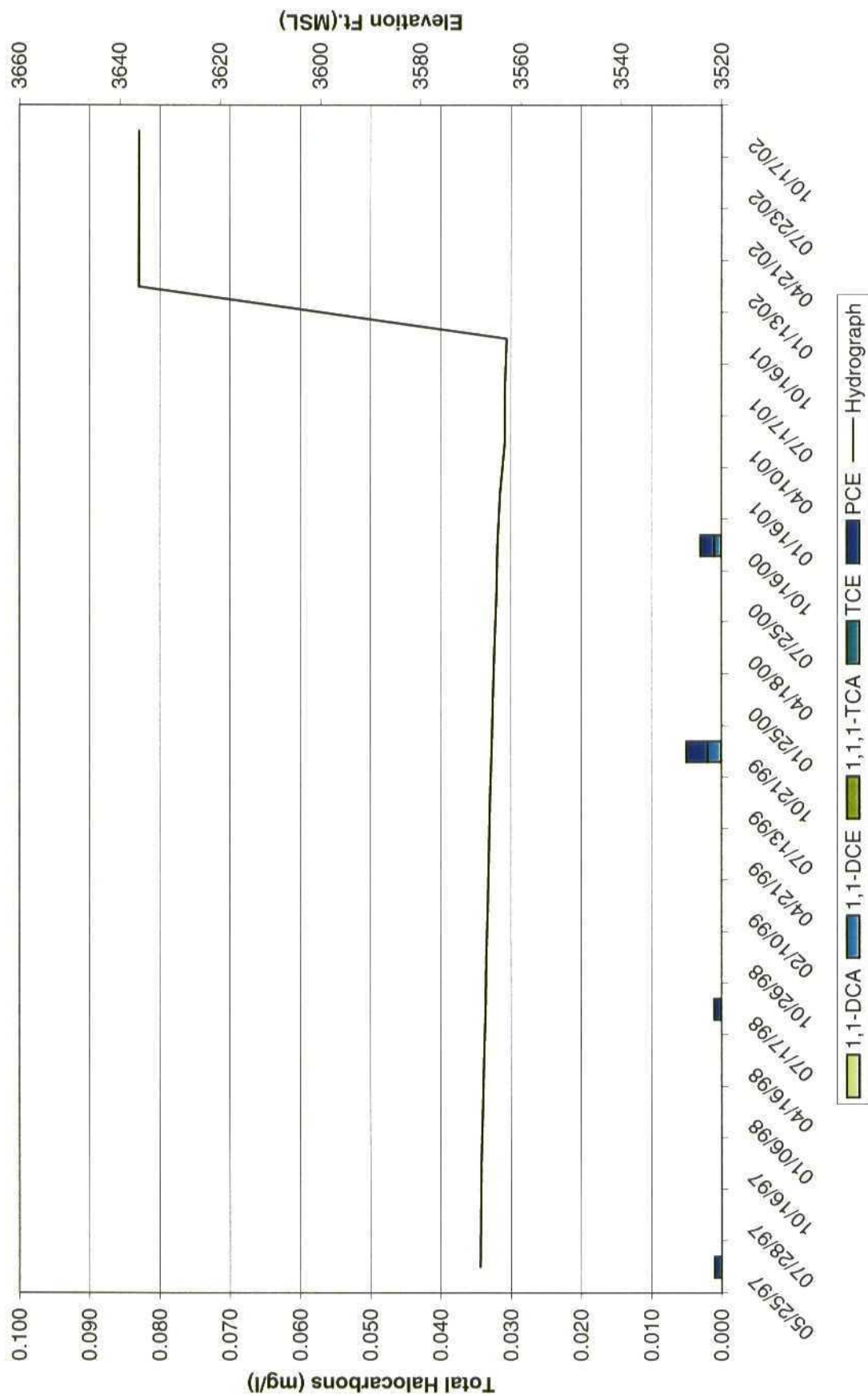
Monitoring Well MW-10



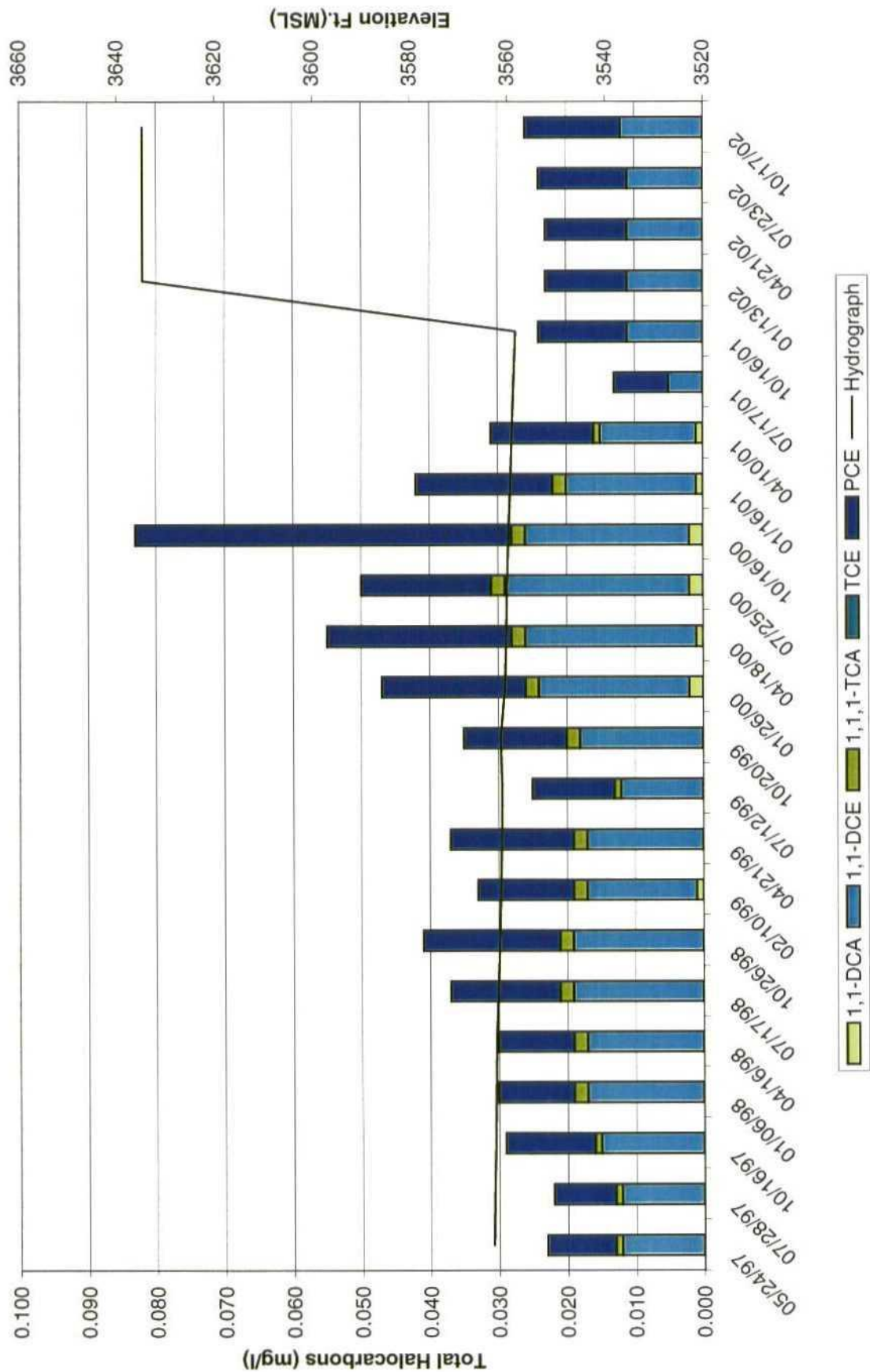
Monitoring Well MW-11



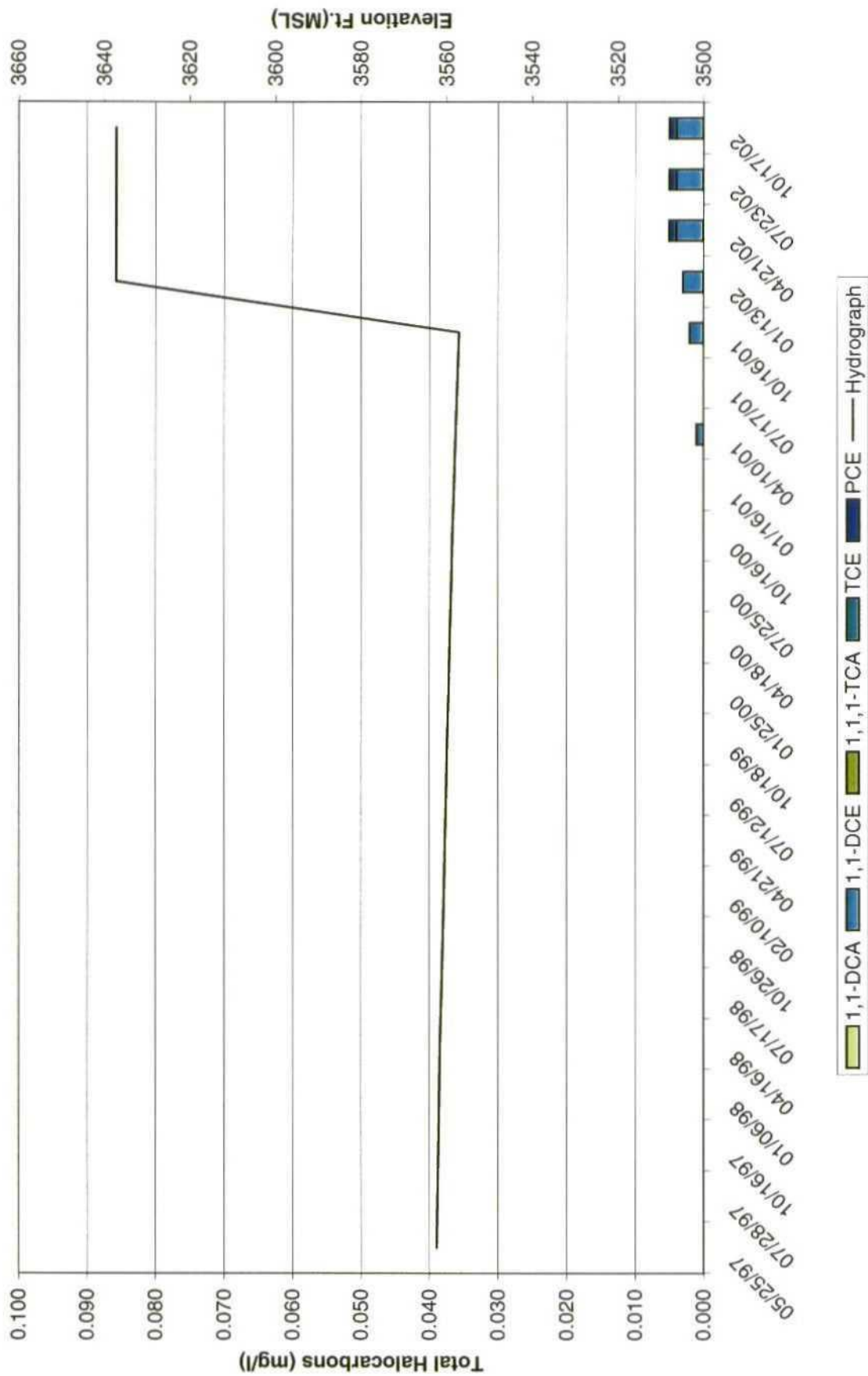
Monitoring Well MW-12



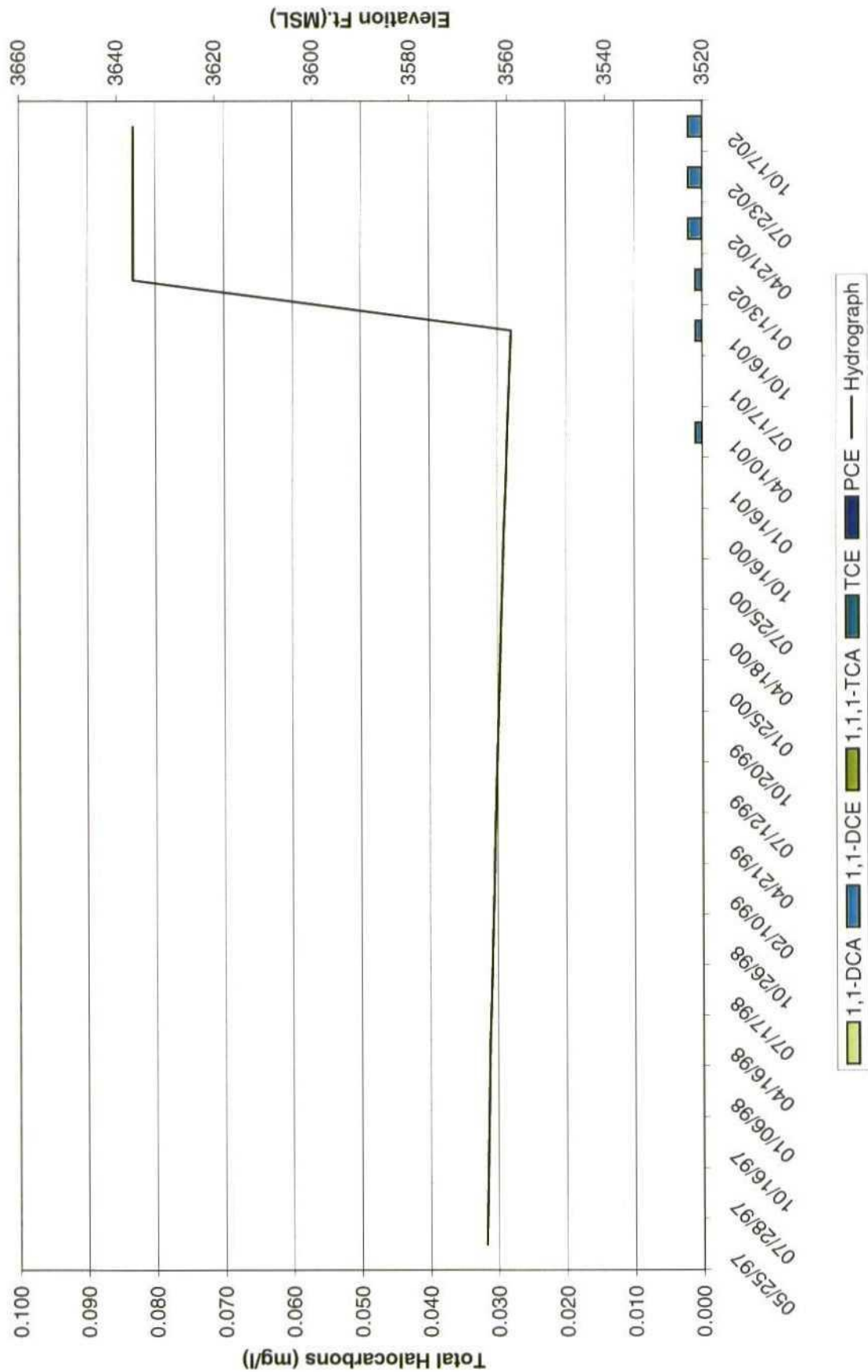
Monitoring Well MW-13



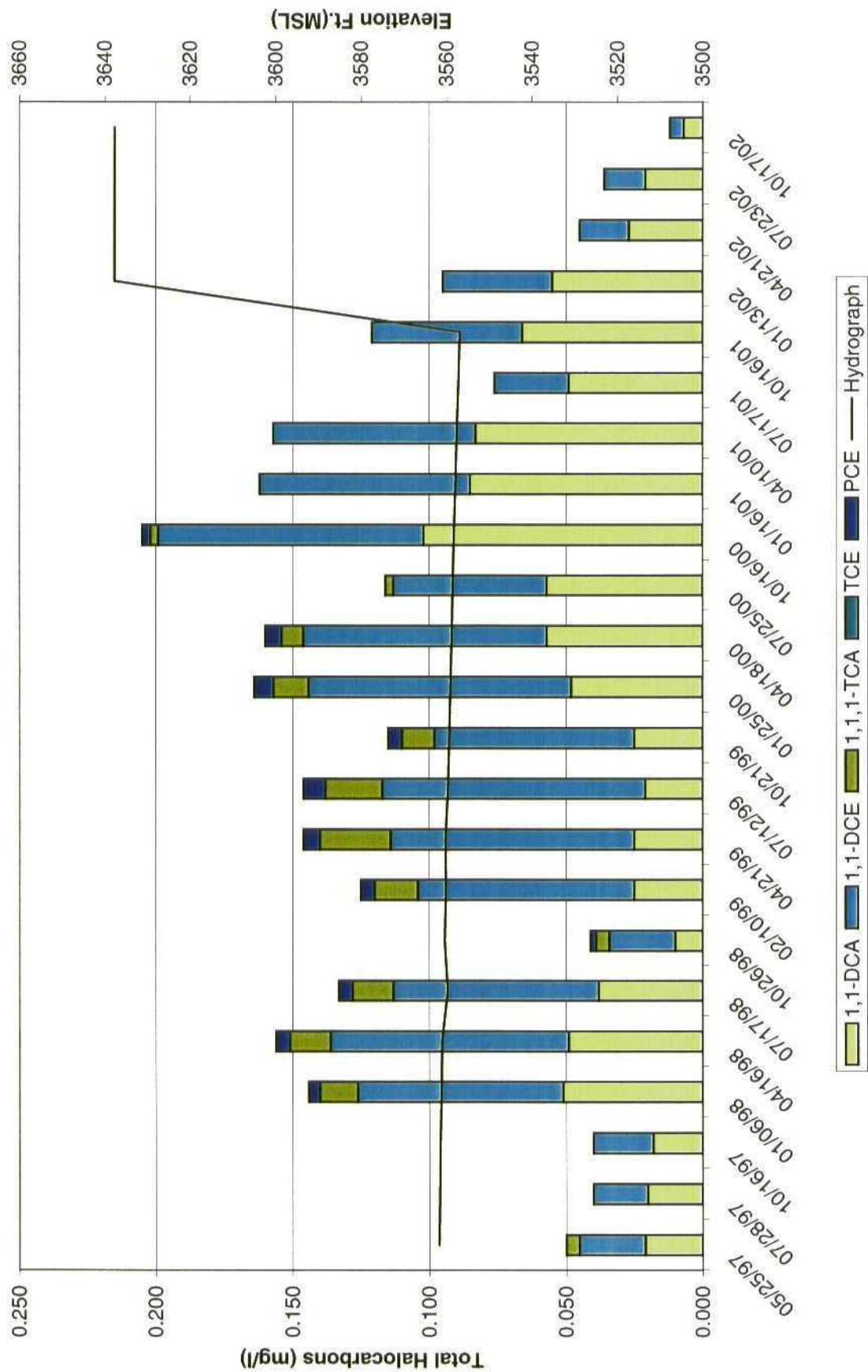
Monitoring Well MW-14



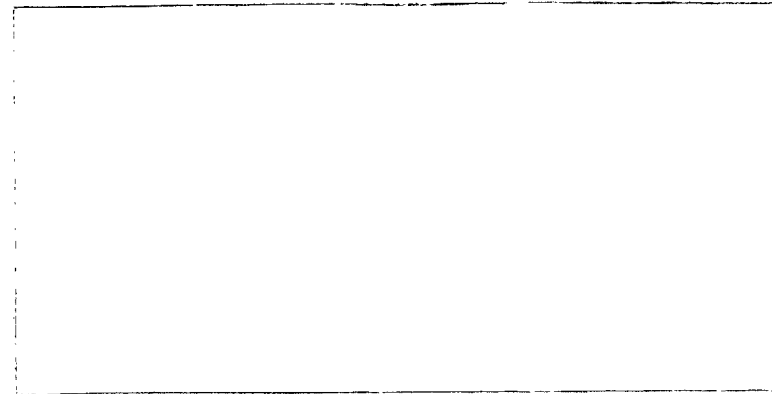
Monitoring Well MW-15



Monitoring Well MW-SO4



GW-073



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**2001 ANNUAL REPORT
SCHLUMBERGER OILFIELD SERVICES
HOBBS, NEW MEXICO**

March 4, 2002

Prepared For:

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Prepared By:



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WWC Engineering

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1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents monitoring and remedial activities performed in 2001 at the Schlumberger Oilfield Services Facility in Hobbs, New Mexico (Figures 1 and 2). Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2001 consisted of air and ground-water monitoring, and routine remediation system operation and maintenance. The following sections provide an overview of the field work performed, discussion of the data, and recommendations for 2002.

2.0 GROUND-WATER MONITORING

2.0 GROUND-WATER MONITORING

Ground-water monitoring was performed quarterly in 2001 by WWC personnel. The fourth quarter monitoring event was performed October 16, 2001. Results of the previous sampling events for 2001 were presented in reports to the New Mexico Oil and Conservation Division (NMOCD) dated March 19, 2001; May 29, 2001; and August 30, 2001.

2.1 Static Water Level

Static water levels were measured quarterly in 2001 using an oil/water interface probe. The probe was decontaminated between wells with Simple Green and a distilled water rinse. Fourth quarter water level measurements are presented in Table 1, along with historic water level data for comparison. Free product has never been detected at this site.

A map of the potentiometric surface generated from the fourth quarter water level elevations is presented as Figure 3. The ground-water flow direction continues to flow to the northeast with a hydraulic gradient of 0.006 consistent with earlier determinations of ground-water flow. Ground-water elevations decreased an average of approximately 1.5 feet over the past year.

2.2 Ground-water Sampling

Ground-water samples were collected from monitoring wells MW-2, 4, 6, 7, 8, 9, 13, 14, 15, and the Shell Station monitoring well (MW-4) the first three quarters in 2000. During the fourth quarter monitoring event, ground-water samples were collected from all monitoring wells. A minimum of three well volumes of ground-water were purged from each well using a Redi-flow submersible pump. The submersible pump was decontaminated with a Simple Green solution and clean water rinse between wells. Purge water was placed into two galvanized steel stock tanks on site and allowed to evaporate.

Ground-water samples were collected using disposable polyethylene bailers and analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-8 and MW-15. The analytical results for the fourth quarter monitoring event are provided in Table 2 along with historical data for comparison. Laboratory analytical reports for the fourth quarter monitoring event are presented as Appendix A.

***3.0 SOIL VAPOR EXTRACTION
SYSTEM MONITORING***

3.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

Air samples were collected quarterly from the three soil vapor extraction (SVE) systems in 2001 and analyzed for volatile organics by EPA Methods 8260. Results of the air quality monitoring are provided on Table 3 along with historical data for comparison. Laboratory data reports are presented as Appendix A. As expected, concentrations in the air being removed is declining. At the former UST System, halocarbons continue to be removed. At the former Waste Pond System, both aromatic and halocarbon compounds are removed. Concentrations in the air at the Acid Dock System are below detectable levels.

4.0 DISCUSSION

4.0 DISCUSSION

Constituents detected in the ground-water at the Hobbs facility are declining. Each monitoring well that has had detections in the past now exhibits an overall downward trend. Concentrations of aromatic hydrocarbon have declined to the extent that ground-water at monitoring well MW-5 is the only location with detectable BTEX constituents. Even at this location concentrations are extremely low with only Benzene at 0.006 mg/l being marginally above the MCL of 0.005 mg/l. BTEX constituents in the area of the former wastewater collection pond have not been detected in the ground-water at MW-2 during 2000 or 2001.

As shown on Table 2, halocarbons remain consistent with historic declining trends in most monitoring wells. Halocarbon concentrations have shown a decline in the ground-water at monitoring wells MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9. Low concentrations of halocarbons continue to be detected in MW-13 cross-gradient of the facility. Plots were constructed for static water level versus various halocarbon concentrations to illustrate the declines and/or stabilization of constituents at individual wells (Appendix B). An isoconcentration map for total halocarbons (Figure 4) was constructed with the fourth quarter water quality data. As shown the highest concentrations are declining, yet remain in the area of MW-8 consistent with previous distribution patterns.

SVE and air-sparge systems at the Hobbs facility have run essentially 100 percent of the time during 2001 as shown on Figures 5 and 6. Air quality monitoring indicates both BTEX and halocarbon constituents continue to be removed in the former wastewater collection area. As shown on Table 3, total concentrations have declined from high levels of 425.8 parts per million (ppm) BTEX and 680.7 ppm halocarbons in 1995 to 7.6 ppm BTEX and 22 ppm halocarbons in October 2001. The decline of these constituents in air samples and in the water quality monitoring at MW-2 indicates the area is being successfully remediated. MW-2 is now non-detect for all constituents.

BTEX constituents detected in air samples from the former UST area remain at nondetect levels, while halocarbons have declined from a high level of 1379.58 ppm in 1995 to 2.6 in October 2001 (Table 3). As shown on Table 2, halocarbons in MW-4 have declined from a high level of 5.9 ppm in 1996 to a low of 0.055 ppm in 2001. In the downgradient well MW-9, halocarbons have declined from greater than 2 ppm in 1997 and 1998, to 0.014 ppm in October 2001. Continued SVE

and air sparging of the soil and water should facilitate further declines of halocarbon constituents in the ground-water at this area.

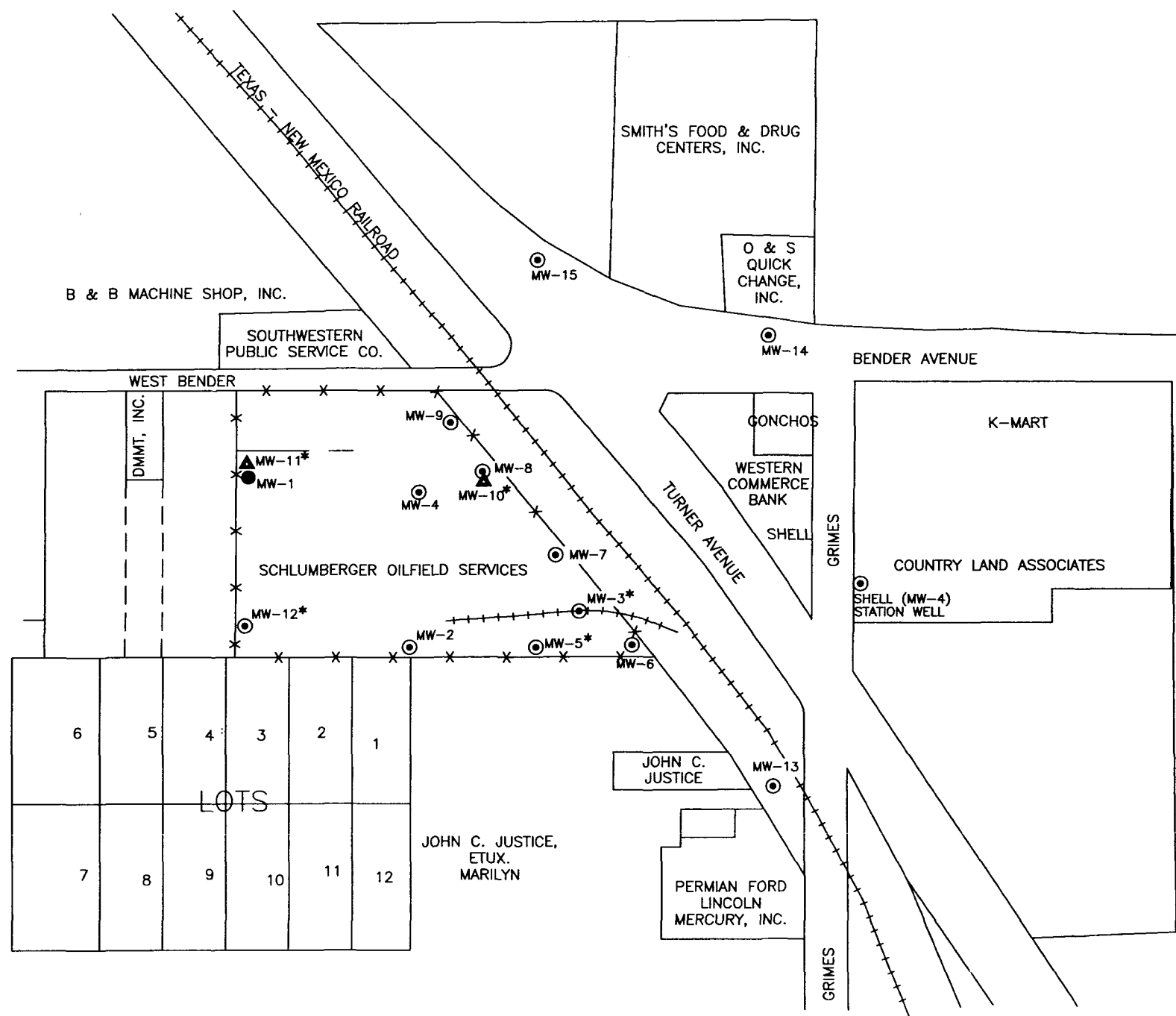
Air samples collected from the acid plant SVE system were nondetect for both BTEX and halocarbon constituents in 2001. However constituents detected in the ground-water at monitoring wells MW-3, MW-5, MW-6, and MW-7 have either declined or remained relatively stable.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

As mentioned previously, hydrocarbons remain essentially undetected in the ground-water at monitoring wells MW-14 and MW-15. Hydrocarbons and chlorocarbons have been declining in the former wastewater collection area and have either declined or stabilized in the former UST and acid plant areas. Dowell recommends that the ground-water monitoring schedule remain unchanged with regard to monitoring wells MW-3, MW-5, MW-10, MW-11, and MW-12 to be sampled only during the fourth quarter. Static water levels are proposed to be collected from all monitoring wells on a quarterly basis. Operation of the Acid Dock SVE, Waste Pond SVE, and the UST SVE and air-spargers system will continue.

FIGURES



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION
- MW-5* SAMPLED DURING 4TH QUARTER ONLY

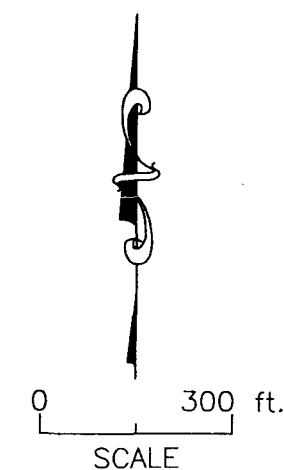


FIGURE 1

MONITORING WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WwC Engineering
Civil Environmental Mining Water Resources

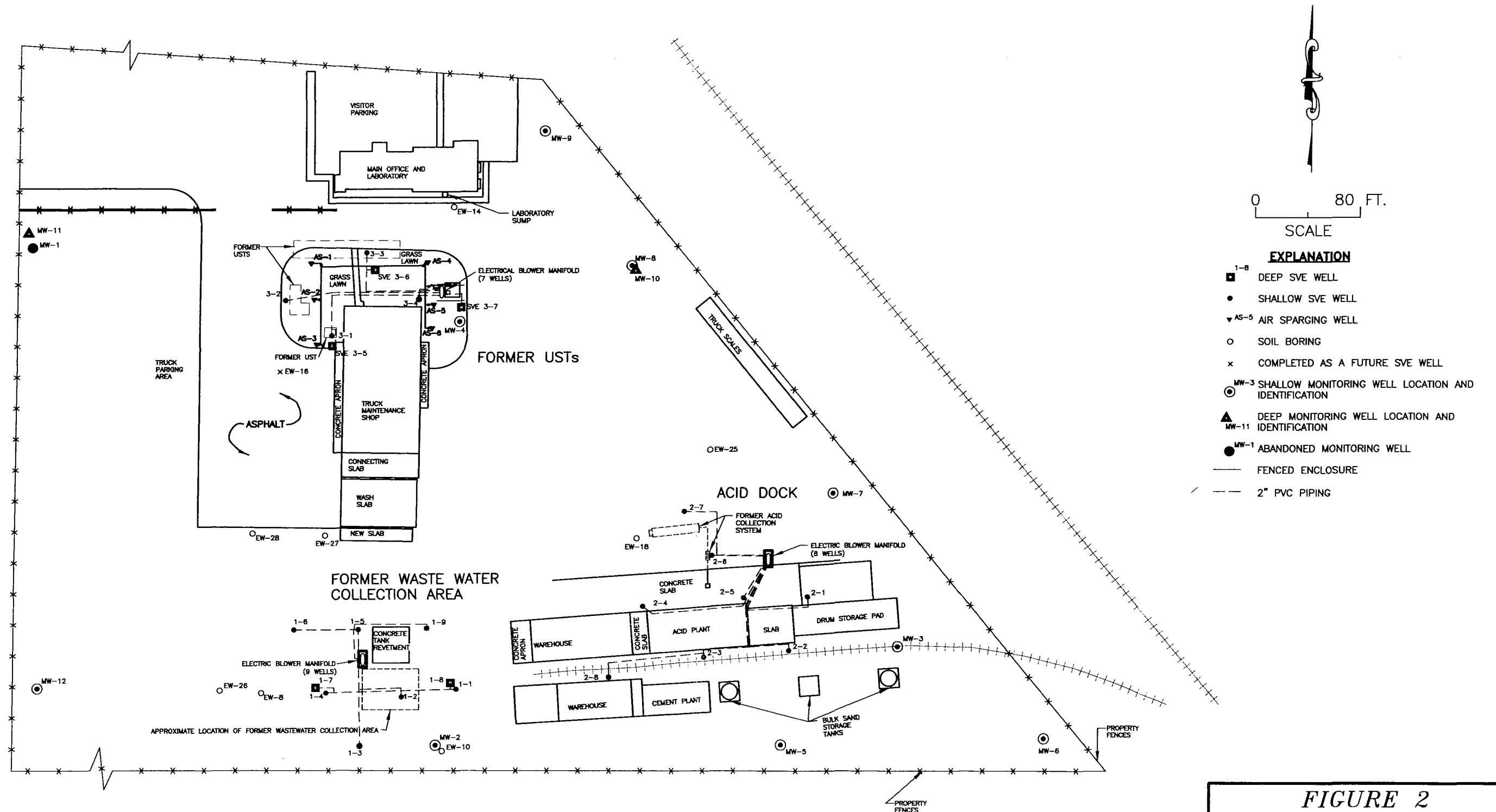
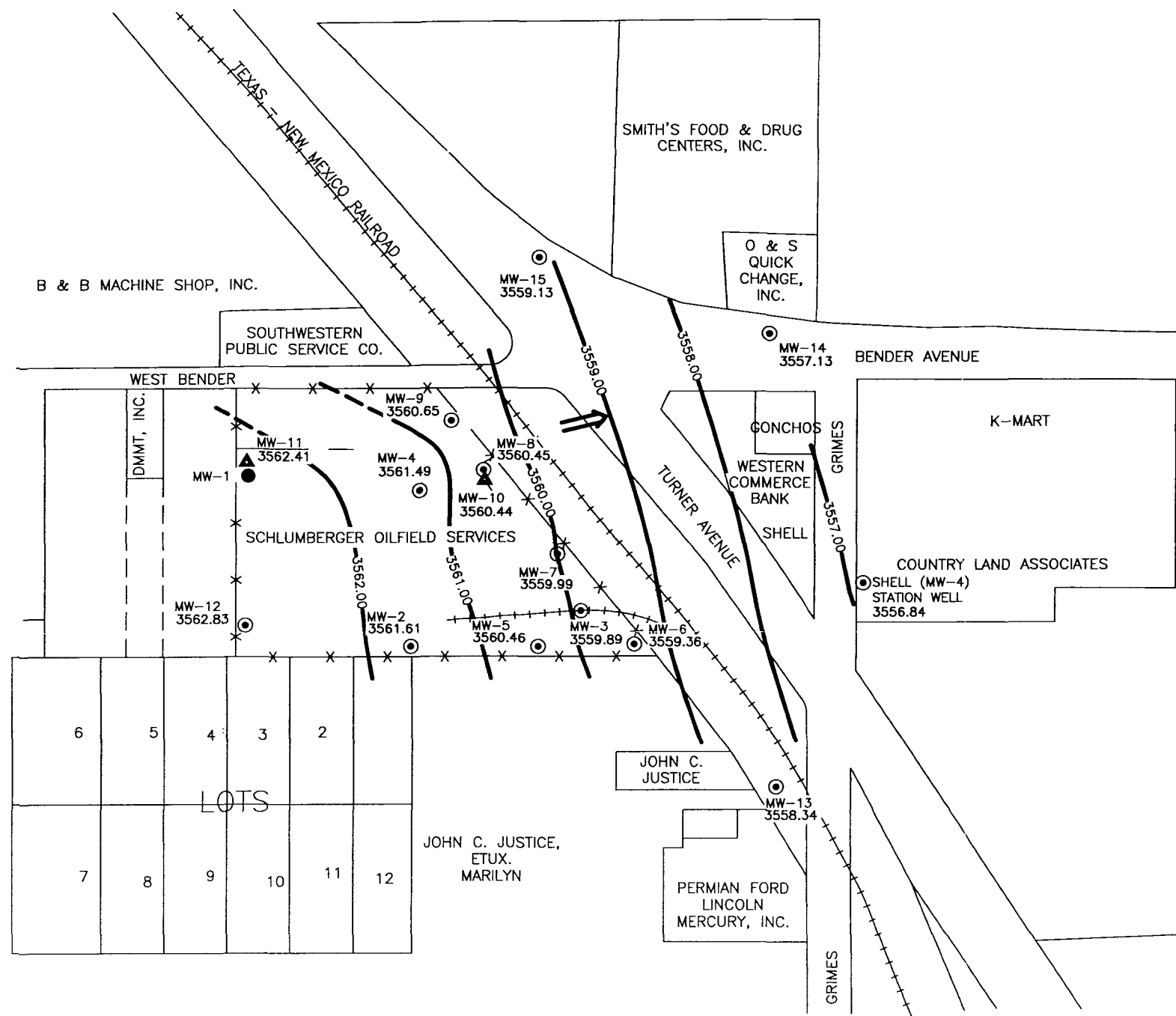


FIGURE 2
SITE MAP AND
MONITORING AND REMEDIATION
WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM



EXPLANATION

- MW-14 3557.13 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 3562.41 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 ——— POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- ⇐ GROUND-WATER FLOW DIRECTION

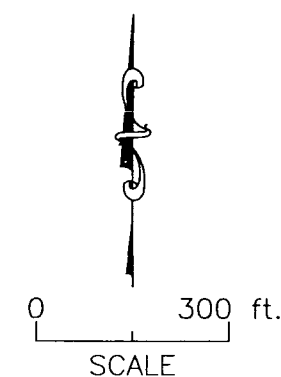
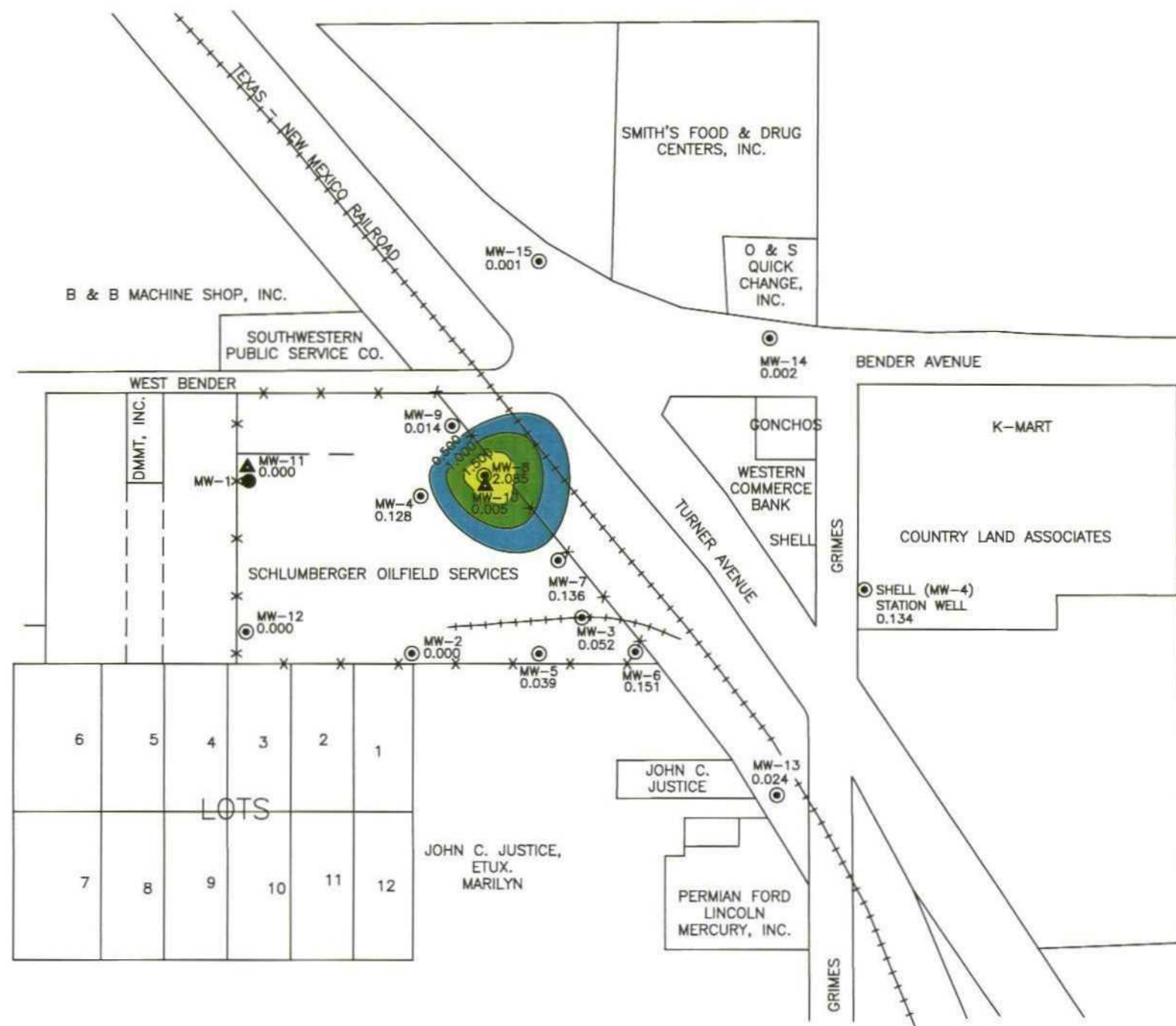


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(10/16/01)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM



EXPLANATION

- MW-8 2.085 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 0.000 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00' TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

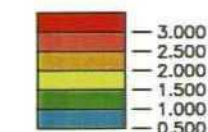


FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(10/16/01)

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HOBBS, NM

WwC Engineering
Civil Environmental Mining Water Resources

FORMER WASTE WATER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



ACID DOCK, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER USTs, UNIT 3

(OPERATION PERCENTAGE 90%)



EXPLANATION

-  UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
-  UNIT IS NOT OPERATING
-  AIR SAMPLES COLLECTED

FIGURE 5

SVE OPERATION TIMELINE
01/01/01 THRU 6/30/01

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

 **WWC Engineering**
Civil Environmental Mining Water Resources

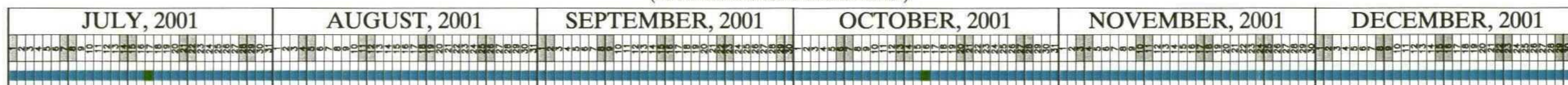
FORMER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



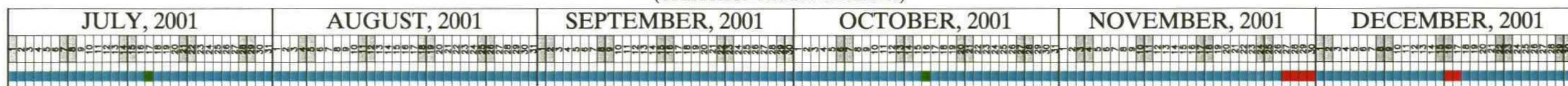
ACID PLANT, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER UST, UNIT 3

(OPERATION PERCENTAGE 97%)



EXPLANATION

-  UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
-  UNIT IS NOT OPERATING
-  AIR SAMPLES COLLECTED

FIGURE 6

SVE OPERATION TIMELINE
07/01/01 THRU 12/31/01

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM



Civil Environmental Mining Water Resources

TABLES

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
		01/16/01		75.04	3562.22	-1.00
		04/10/01		74.73	3562.53	0.31
		07/17/01		75.65	3561.61	-0.92
		10/16/01		75.57	3561.69	0.08
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
		01/16/01		77.24	3561.04	-0.36
		04/10/01		77.59	3560.69	-0.35
		07/17/01		78.00	3560.28	-0.41
		10/16/01		78.39	3559.89	-0.39
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-4 (Cont.)		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
		01/16/01		76.76	3562.44	-0.24
		04/10/01		77.27	3561.93	-0.51
		07/17/01		77.35	3561.85	-0.08
		10/16/01		77.71	3561.49	-0.36
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
		01/16/01		76.04	3561.66	-0.36
		04/10/01		76.38	3561.32	-0.34
		07/17/01		76.82	3560.88	-0.44
		10/16/01		77.24	3560.46	-0.42
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
		01/16/01		77.00	3560.52	-0.36
		04/10/01		77.34	3560.18	-0.34
		07/17/01		77.77	3559.75	-0.43
		10/16/01		78.16	3559.36	-0.39
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-7 (Cont.)		01/25/00		76.23	3562.39	-0.29
		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
		01/16/01		77.55	3561.07	-0.39
		04/10/01		77.88	3560.74	-0.33
		07/17/01		78.29	3560.33	-0.41
		10/16/01		78.68	3559.94	-0.39
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37
		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.80	3561.91	-0.32
		01/16/01		77.18	3561.53	-0.38
		04/10/01		77.49	3561.22	-0.31
		07/17/01		77.92	3560.79	-0.43
		10/16/01		78.26	3560.45	-0.34
MW-9	3638.76	01/22/97	85	72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
		01/16/01		77.03	3561.73	-0.41
		04/10/01		77.34	3561.42	-0.31
		07/17/01		77.77	3560.99	-0.43
		10/16/01		78.11	3560.65	-0.34
MW-10	3638.86	05/27/97	130.5	73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28
		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34
		01/16/01		77.34	3561.52	-0.37

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
W-10 (Cont.)		04/10/01		77.68	3561.18	-0.34
		07/17/01		78.06	3560.80	-0.38
		10/16/01		78.42	3560.44	-0.36
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
		01/16/01		74.88	3563.67	-0.44
		04/10/01		75.25	3563.30	-0.37
		07/17/01		75.74	3562.81	-0.49
		10/16/01		76.14	3562.41	-0.40
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
		01/16/01		72.00	3564.15	-0.54
		04/10/01		72.93	3563.22	-0.93
		07/17/01		72.92	3563.23	0.01
		10/16/01		73.32	3562.83	-0.40
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
		10/20/99		73.88	3561.51	0.29
	3634.76	01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
		01/16/01		75.33	3559.43	-0.38
		04/10/01		75.65	3559.11	-0.32
		07/17/01		76.04	3558.72	-0.39
		10/16/01		76.42	3558.34	-0.38
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17

Table 1 - Static Water Level Elevation Data

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
W-14 (Cont.)		07/16/98		75.98	3561.21	-0.37
		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
		01/16/01		78.91	3558.28	-0.40
		04/10/01		79.24	3557.95	-0.33
		07/17/01		79.66	3557.53	-0.42
		10/16/01		80.06	3557.13	-0.40
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31
		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
		01/16/01		76.27	3560.30	-0.42
		04/10/01		76.58	3559.99	-0.31
		07/17/01		77.01	3559.56	-0.43
		10/16/01		77.44	3559.13	-0.43
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31
		01/16/01		79.83	3557.86	-0.34
		04/10/01		80.14	3557.55	-0.31
		07/17/01		80.53	3557.16	-0.39
		10/16/01		80.85	3556.84	-0.32

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO- ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	0.007	0.000	0.015
	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.000	0.008
Abandoned															
MW-2	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.015	0.044	ND(0.002)	0.014	0.134	0.135	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.015	0.044	ND(0.002)	0.024	0.135	0.135	0.353
	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.046	0.247	ND(0.005)	0.049	0.193	0.193	0.648
	01/22/97	0.019	0.009	0.014	0.016	0.062	ND(0.005)	0.011	0.011	0.083	ND(0.005)	0.017	0.056	0.056	0.193
	05/23/97	0.009	0.003	0.003	0.005	0.039	ND(0.001)	0.007	0.007	0.057	ND(0.001)	0.014	0.021	0.021	0.117
	06/25/97	0.011	0.005	0.007	0.007	0.059	ND(0.002)	0.009	0.009	0.160	ND(0.002)	0.027	0.030	0.030	0.906
	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.004	0.097	ND(0.002)	0.011	0.007	0.007	0.143
	10/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.002	0.023	ND(0.002)	0.012	0.005	0.005	0.049
	10/16/97	0.004	0.002	0.001	0.001	0.023	ND(0.002)	0.002	0.002	0.043	ND(0.002)	0.007	0.008	0.008	0.075
	04/16/98	0.010	0.002	0.002	0.001	0.053	ND(0.002)	0.008	0.008	0.130	ND(0.002)	0.058	0.013	0.013	0.249
	04/16/98	0.010	0.002	0.002	0.001	0.058	ND(0.002)	0.008	0.008	0.142	ND(0.002)	0.058	0.010	0.010	0.272
	07/17/98	0.001	ND(0.001)	ND(0.001)	ND(0.004)	0.006	ND(0.002)	0.001	0.001	0.013	ND(0.002)	0.034	0.001	0.001	0.054
Duplicate	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.003	0.003	0.011	ND(0.002)	0.018	0.002	0.002	0.052
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.034	0.000	0.000	0.060
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.003	0.004	ND(0.001)	0.034	0.000	0.000	0.057
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.037	ND(0.001)	0.005	0.005	0.007	ND(0.001)	0.021	0.000	0.000	0.144
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	0.002	0.007	ND(0.001)	0.021	0.000	0.000	0.034
	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	0.001	0.001	0.021	ND(0.001)	0.021	0.000	0.000	0.028
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.001	0.001	0.023	ND(0.001)	0.023	0.000	0.000	0.057
	04/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.000	0.000	0.011
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	0.008
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.004
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.004
	04/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.002
MW-3	10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.007	0.007	ND(0.002)	0.012	0.002	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.007	0.028	ND(0.002)	0.019	0.000	0.000	0.071
	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.027	ND(0.002)	0.010	0.010	0.014	ND(0.002)	0.016	0.000	0.000	0.067
	05/23/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.026	0.001	0.015	0.015	0.015	ND(0.001)	0.016	0.002	0.002	0.073
	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.033	0.002	0.012	0.012	0.008	ND(0.002)	0.012	0.003	0.003	0.067
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.008	0.011	ND(0.002)	0.022	0.001	0.001	0.063
	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.023	0.023	0.031	ND(0.002)	0.026	0.000	0.000	0.103
	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.030	ND(0.002)	0.014	0.014	0.032	ND(0.002)	0.026	0.003	0.003	0.084
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.034	ND(0.002)	0.015	0.015	0.013	ND(0.002)	0.026	0.002	0.002	0.091
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.035	ND(0.002)	0.015	0.015	0.005	ND(0.002)	0.020	0.002	0.002	0.070
	02/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.023	0.023	0.014	ND(0.001)	0.017	ND(0.001)	0.003	0.077
01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.025	ND(0.001)	0.020	0.020	0.014	ND(0.001)	0.017	ND(0.001)	0.003	0.077	
10/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.022	ND(0.001)	0.013	0.013	0.005	ND(0.001)	0.010	ND(0.001)	0.000	0.052	
MW-4	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	0.051	0.086	0.086	1.040	0.056	2.580	0.000	0.000	4.294
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	ND(0.005)	0.023	0.023	0.941	ND(0.005)	2.526	0.000	0.000	5.200
	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.106	0.042	0.084	0.084	1.080	ND(0.002)	3.080	0.000	0.000	5.902
	05/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.088	0.037	0.059	0.059	0.557	ND(0.001)	3.100	0.000	0.000	4.292
	06/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.062	0.022	0.043	0.043	0.550	ND(0.001)	1.720	0.000	0.000	2.777
	07/28/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.047	0.017	0.075	0.075	0.349	ND(0.002)	1.250	0.000	0.000	1.838
	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.044	0.017	0.124	0.124	0.332	ND(0.002)	1.060	0.000	0.000	1.503
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.037	0.015	0.103	0.103	0.225	ND(0.002)	1.170	0.000	0.000	1.540
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.031	0.011	0.087	0.087	0.148	ND(0.002)	0.970	0.000	0.000	1.226
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.021	0.006	0.077	0.077	0.138	ND(0.001)	0.907	0.000	0.000	1.149
	10/27/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.005)	0.116	0.116	0.114	ND(0.005)	0.651	0.000	0.000	0.900
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.002)	0.206	0.206	0.184	ND(0.001)	1.120	0.000	0.000	1.551
04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.002)	0.240	0.240	0.216	ND(0.002)	0.943	0.000	0.000	1.330	
07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.005)	0.201	0.201	0.209	ND(0.005)	1.080	0.000	0.000	1.521	
10/27/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.001)	0.118	0.118	0.090	ND(0.001)	0.511	0.000	0.000	0.738	
02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	ND(0.001)	0.151	0.151	0.166	ND(0.001)	0.875	0.000	0.000	1.223	
07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.004	0.084	0.084	0.058	ND(0.001)	0.350	0.000	0.000	0.539	
07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.004	0.084	0.084	0.058	ND(0.001)	0.350	0.000	0.000	0.508	
10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.059	0.027	0.149	0.149	0.155	ND(0.001)	0.977	0.000	0.000	0.508	
04/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.044	0.044	0.030	ND(0.001)	0.249	0.000	0.000	0.336	
07/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.013	ND(0.002)	0.084	0.084	0.036	ND(0.002)	0.282	0.000	0.000	0.387	
SIL Duplicate	07/25/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.013	ND(0.002)	0.084	0.084	0.036	ND(0.002)	0.282	0.000	0.000	0.324
	10/16/00	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.007	0.021	0.021	0.021	ND(0.002)	0.170	0.000	0.000	0.235
	01/16/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(										

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-5 Duplicate	01/23/97	0.018	0.004	ND(0.031)	0.001	0.180	0.002	0.020	0.036	0.001	0.001	0.012	0.003	0.023	0.251
	05/23/97	0.028	0.004	ND(0.031)	0.001	0.180	0.003	0.016	0.069	0.001	0.002	0.001	0.001	0.001	0.251
	07/28/97	0.051	0.023	ND(0.035)	0.007	0.241	0.004	0.027	0.051	0.002	0.002	0.028	0.002	0.028	0.389
	10/16/97	0.059	0.027	ND(0.035)	0.008	0.258	0.004	0.009	0.050	0.002	0.002	0.058	0.002	0.082	0.438
Duplicate	01/06/98	0.048	0.016	ND(0.031)	0.008	0.215	0.004	0.066	0.039	0.003	0.003	0.070	0.003	0.070	0.363
	04/16/98	0.034	0.011	ND(0.025)	0.006	0.136	0.002	0.033	0.008	0.002	0.002	0.055	0.002	0.055	0.210
	07/17/98	0.025	0.007	ND(0.022)	0.007	0.106	0.002	0.023	0.016	0.002	0.002	0.031	0.002	0.031	0.169
	10/27/98	0.011	0.002	ND(0.021)	0.002	0.080	0.001	0.042	0.016	0.002	0.002	0.033	0.002	0.033	0.171
Duplicate	10/27/98	0.011	0.002	ND(0.022)	0.002	0.080	0.001	0.042	0.016	0.002	0.002	0.033	0.002	0.033	0.171
	10/20/99	0.027	0.009	ND(0.025)	0.005	0.113	0.002	0.027	0.002	0.002	0.002	0.005	0.002	0.005	0.140
	10/16/00	0.002	0.001	ND(0.021)	0.001	0.009	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.111
	10/16/01	0.006	0.001	ND(0.021)	0.001	0.028	0.001	0.006	0.005	0.001	0.001	0.001	0.001	0.007	0.039
MW-6	01/23/97	0.001	ND(0.001)	ND(0.021)	ND(0.002)	0.041	0.001	0.004	0.004	0.004	0.001	0.003	0.001	0.001	0.053
	05/22/97	0.004	ND(0.002)	ND(0.022)	ND(0.004)	0.085	0.002	0.034	0.017	0.002	0.002	0.003	0.004	0.003	0.163
	07/28/97	0.003	ND(0.002)	ND(0.022)	ND(0.004)	0.081	0.002	0.027	0.008	0.006	0.002	0.019	0.002	0.002	0.141
	10/16/97	0.003	ND(0.002)	ND(0.022)	ND(0.004)	0.113	0.002	0.038	0.012	0.006	0.002	0.017	0.003	0.003	0.136
Duplicate	01/06/98	0.002	ND(0.002)	ND(0.022)	ND(0.004)	0.086	0.003	0.027	0.008	0.008	0.002	0.017	0.002	0.002	0.145
	04/16/98	0.002	ND(0.002)	ND(0.022)	ND(0.004)	0.086	0.003	0.027	0.008	0.008	0.002	0.017	0.002	0.002	0.145
	07/17/98	0.002	ND(0.002)	ND(0.022)	ND(0.004)	0.086	0.003	0.027	0.008	0.008	0.002	0.017	0.002	0.002	0.145
	10/26/98	0.011	0.002	ND(0.021)	0.005	0.113	0.002	0.038	0.012	0.006	0.002	0.017	0.003	0.003	0.171
Duplicate	04/21/99	0.003	ND(0.002)	ND(0.025)	ND(0.005)	0.113	0.005	0.056	0.016	0.003	0.003	0.039	0.003	0.003	0.232
	07/13/99	0.003	ND(0.002)	ND(0.025)	ND(0.005)	0.108	0.004	0.061	0.023	0.003	0.003	0.047	0.003	0.003	0.273
	10/20/99	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.066	0.003	0.059	0.032	0.002	0.002	0.046	0.002	0.002	0.205
	04/16/00	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.093	0.003	0.049	0.015	0.002	0.002	0.048	0.002	0.002	0.208
Duplicate	07/25/00	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.057	0.002	0.036	0.009	0.002	0.002	0.033	0.002	0.002	0.160
	10/16/00	0.002	ND(0.001)	ND(0.021)	ND(0.001)	0.024	0.003	0.015	0.010	0.004	0.004	0.030	0.004	0.004	0.122
	01/16/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.061	0.005	0.035	0.014	0.004	0.004	0.027	0.004	0.004	0.090
	04/16/01	0.003	ND(0.002)	ND(0.025)	ND(0.005)	0.063	0.005	0.035	0.011	0.004	0.004	0.027	0.004	0.004	0.145
Duplicate	07/17/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.069	0.005	0.033	0.006	0.006	0.006	0.026	0.006	0.006	0.146
	10/17/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.066	0.005	0.030	0.006	0.006	0.006	0.028	0.006	0.006	0.122
	04/16/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.063	0.003	0.033	0.008	0.008	0.008	0.028	0.008	0.008	0.110
	10/16/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.062	0.002	0.039	0.005	0.005	0.005	0.036	0.005	0.005	0.151
MW-7	01/23/97	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.047	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.075
	05/22/97	0.003	ND(0.002)	ND(0.022)	ND(0.004)	0.087	0.002	0.036	0.002	0.002	0.014	0.016	0.003	0.003	0.287
	07/28/97	0.004	ND(0.002)	ND(0.022)	ND(0.004)	0.073	0.002	0.061	0.002	0.002	0.021	0.010	0.004	0.004	0.267
	10/16/97	0.003	ND(0.005)	ND(0.025)	ND(0.011)	0.065	0.005	0.050	0.005	0.018	0.018	0.091	0.003	0.003	0.224
Duplicate	01/06/98	0.003	ND(0.005)	ND(0.025)	ND(0.011)	0.076	0.005	0.054	0.005	0.018	0.018	0.111	0.003	0.003	0.259
	04/16/98	0.003	ND(0.005)	ND(0.025)	ND(0.011)	0.065	0.005	0.035	0.005	0.020	0.020	0.078	0.003	0.003	0.186
	07/17/98	0.003	ND(0.005)	ND(0.025)	ND(0.011)	0.065	0.005	0.038	0.005	0.024	0.024	0.073	0.003	0.003	0.200
	10/26/98	0.002	ND(0.005)	ND(0.021)	ND(0.001)	0.047	0.002	0.032	0.002	0.014	0.014	0.066	0.002	0.002	0.164
Duplicate	04/21/99	0.002	ND(0.001)	ND(0.021)	ND(0.001)	0.047	0.001	0.027	0.001	0.001	0.001	0.026	0.001	0.001	0.136
	07/13/99	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.034	0.001	0.027	0.001	0.001	0.001	0.026	0.001	0.001	0.136
	10/20/99	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.046	0.001	0.035	0.001	0.001	0.001	0.031	0.001	0.001	0.109
	04/16/00	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.025	0.002	0.020	0.002	0.002	0.003	0.031	0.002	0.002	0.114
Duplicate	07/25/00	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.022	0.002	0.020	0.002	0.002	0.003	0.031	0.002	0.002	0.114
	10/16/00	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.030	0.002	0.020	0.002	0.002	0.003	0.031	0.002	0.002	0.114
	01/16/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.036	0.002	0.020	0.002	0.002	0.003	0.031	0.002	0.002	0.114
	04/16/01	0.002	ND(0.002)	ND(0.025)	ND(0.005)	0.036	0.002	0.020	0.002	0.002	0.003	0.031	0.002	0.002	0.114
MW-8	01/23/97	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	05/22/97	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	07/28/97	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/16/97	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
Duplicate	01/06/98	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	04/16/98	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	07/17/98	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/26/98	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
Duplicate	04/21/99	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	07/13/99	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/20/99	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	04/16/00	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
Duplicate	07/25/00	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/16/00	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	01/16/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	04/16/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
Duplicate	07/17/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/16/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	04/16/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136
	10/16/01	0.001	ND(0.001)	ND(0.021)	ND(0.001)	0.068	0.001	0.009	0.001	0.001	0.004	0.014	0.002	0.002	0.136

Table 2 - Summary of Laboratory Analytical Results - Ground-water Samples

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-9	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063		0.045	ND(0.001)	0.090		0.000	0.208
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.001)	0.322		0.147	ND(0.001)	1.550		0.000	2.045
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.001)	0.336		ND(0.002)	ND(0.002)	1.330		0.000	1.489
	07/18/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.021	ND(0.001)	0.278		0.121	ND(0.002)	1.020		0.000	1.440
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.001)	0.278		0.104	ND(0.002)	1.160		0.000	1.561
Duplicate	01/16/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.04)	0.023	ND(0.001)	0.321		0.174	ND(0.001)	1.350		0.000	1.645
	04/16/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.033	ND(0.005)	0.502		0.242	ND(0.005)	1.290		0.000	2.059
	07/17/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.030	ND(0.001)	0.690		0.193	ND(0.001)	1.740		0.000	2.744
	10/27/98	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.21)	0.042	ND(0.001)	0.507		0.165	ND(0.001)	1.400		0.000	2.077
	02/10/99	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.21)	0.030	ND(0.001)	0.487		0.159	ND(0.001)	1.320		0.000	1.875
Duplicate	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.001)	0.368		0.161	ND(0.001)	1.100		0.000	1.584
	07/17/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.001)	0.261		0.110	ND(0.001)	0.950		0.000	1.454
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.018	ND(0.001)	0.145		0.085	ND(0.001)	0.556		0.000	0.762
	01/22/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.001)	0.065		0.048	ND(0.0025)	0.235		0.000	0.302
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	0.006	ND(0.0025)	0.046		0.015	ND(0.0025)	0.228		0.000	0.246
Duplicate	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.007		0.002	ND(0.001)	0.027	ND(0.001)	0.001	0.036
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.006		0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.005		0.001	ND(0.001)	0.022	ND(0.001)	0.000	0.028
	04/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.004		0.001	ND(0.001)	0.017	ND(0.001)	0.000	0.022
	07/17/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.009	ND(0.002)	0.000	0.009
MW-10	01/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003		ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.000	0.014
	05/25/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.007		ND(0.002)	0.001	0.026		0.004	0.038
	05/25/97	0.007	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.008		0.002	ND(0.002)	0.014		0.002	0.037
	07/28/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.009		ND(0.002)	ND(0.002)	0.008		0.001	0.010
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.002		0.002	0.002
Duplicate	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.002		0.003	0.002
	07/17/98	0.003	ND(0.002)	ND(0.002)	ND(0.002)	0.002	ND(0.001)	0.001		ND(0.002)	ND(0.002)	0.002		0.000	0.000
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.002		0.001	0.000
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.002		0.000	0.000
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.002		ND(0.001)	ND(0.001)	0.002		0.000	0.000
Duplicate	10/18/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.002		ND(0.001)	ND(0.001)	0.002		0.000	0.000
	12/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.005
	05/24/97	0.002	ND(0.001)	ND(0.001)	0.001	0.001	ND(0.001)	0.007		ND(0.001)	ND(0.001)	0.002		0.003	0.010
	07/28/97	0.003	ND(0.001)	ND(0.001)	0.006	ND(0.001)	ND(0.001)	0.006		ND(0.001)	ND(0.001)	0.002		0.010	0.000
	10/16/97	0.002	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.001)	0.002		ND(0.002)	ND(0.002)	0.002		0.006	0.000
MW-11	01/16/98	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.002)	0.001		ND(0.001)	ND(0.002)	0.001		0.004	0.000
	04/16/98	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.001		ND(0.001)	ND(0.001)	0.001		0.004	0.000
	07/17/98	0.002	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.002)	0.001		ND(0.001)	ND(0.001)	0.001		0.003	0.000
	10/26/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002		ND(0.002)	ND(0.002)	0.002		0.000	0.000
	10/26/98	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.001		ND(0.001)	ND(0.001)	0.001		0.000	0.000
Duplicate	10/18/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.001		ND(0.001)	ND(0.001)	0.001		0.003	0.000
	10/18/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.001		ND(0.001)	ND(0.001)	0.001		0.003	0.000
	12/16/01	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		ND(0.001)	ND(0.001)	0.001		0.002	0.000
	05/24/97	0.002	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.007		ND(0.001)	ND(0.001)	0.001		0.014	0.001
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.006		ND(0.001)	ND(0.001)	0.001		0.000	0.000
MW-12	01/16/97	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)	0.001		0.000	0.000
	01/16/97	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)	0.001		0.000	0.000
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		ND(0.001)	ND(0.001)	0.001		0.000	0.000
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		ND(0.001)	ND(0.001)	0.001		0.000	0.000
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)		ND(0.002)	ND(0.002)	0.001		0.000	0.000
Duplicate	10/26/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)		ND(0.001)	ND(0.002)	0.003		0.000	0.005
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002		ND(0.001)	ND(0.001)	0.003		0.000	0.005
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001		ND(0.001)	ND(0.001)	0.003		0.003	0.003
	12/16/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)		ND(0.001)	ND(0.001)	0.002		0.000	0.000
	05/24/97	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)	0.002		0.000	0.000
MW-13	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012		ND(0.001)	ND(0.001)	0.010		0.000	0.023
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012		0.001	ND(0.001)	0.009		0.000	0.022
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.015		0.001	ND(0.001)	0.013		0.000	0.029
	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.011		0.001	ND(0.002)	0.013		0.000	0.025
	01/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017		0.002	ND(0.002)	0.011		0.000	0.030
Duplicate	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.016		0.002	ND(0.002)	0.011		0.000	0.030
	07/17/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019		0.002	ND(0.002)	0.016		0.000	0.029
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019		0.002	ND(0.002)	0.020		0.000	0.037
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017		0.002	ND(0.001)	0.014		0.000	0.041
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017		0.002	ND(0.001)	0.012		0.000	0.033
Duplicate	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012		0.001	ND(0.001)	0.015		0.000	0.037
	07/17/99	ND(0.001)													

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER LAGOON																	
Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	Vinyl Chloride			PCE (mg/m3)	Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
										1,1,1-TCA (mg/m3)	Chloride (mg/m3)	TCE (mg/m3)					
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35	29.80	0.487	20.7					36.5				
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	111.2	46.2	48.3	ND(0.2)	450	ND(0.2)	1.23	135	425.8		680.73	
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.83			0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	ND(0.2)	216.6	ND(0.2)	1.3	19	136.1		296	
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	35.7	ND(0.2)	3.7		1.9		57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	ND(0.2)	283	ND(0.2)	2.73	111.8	245.2		489.03	
Unit 1 Output 9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	ND(0.2)	6		13.4		21.4
Unit 1 Output 9/95-2		Exhaust 2	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.3		0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01		0	
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		15.3
93007-WatPDIinput	04/11/96	Input	ND(0.2)	114	19.1	81.5	9.7	11.4	ND(0.2)	116	ND(0.2)	ND(0.2)	120	214.6		257.1	
93007-WatPDEXh 4/96		Exhaust	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	ND(0.2)	1.2	ND(0.2)	0.5		1		5.8
93007WPINPOT 7/96	07/23/96	Input	2.8	49.5	2.6	11.2	6.9	6.1	ND(0.5)	64.6	ND(0.5)	0.4	17.9	66.1		95.9	
93007WPEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	ND(0.3)	0.7	ND(0.3)	0.6		0		3.7
WP-INPUT-10/96	10/24/96	Input	2.07	44	12.1	77.1	4.9	ND(0.2)	ND(0.2)	74.4	ND(0.2)	1.02	51.9	135.27		132.22	
WP-OUTPUT-10/96		Exhaust	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	3.02	ND(0.2)	ND(0.2)	2.97	ND(0.2)	0.832		1.02		6.822
93-007-WP-INP 5/97	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	ND(5.0)	66.3	230.3		159.7	
93007-WP 10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	ND(5.0)	81	277.6		220.45	
93007-WP 1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	ND(2.0)	68.4	189.42		206.8	
93007-WP 4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	ND(5.0)	117	219.8		364.8	
93007-WP 7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	ND(0.10)	105	202.3		280	
93007-WP 10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	ND(2.5)	50.5	167.28		132.95	
93007-WP 11/98	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	ND(10.0)	121	364.5		193.7	
93007-WP 2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	ND(2.5)	87.3	385.95		131.2	
93007-WP 4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	ND(2.5)	51.6	172.7		79.7	
93007-WP 7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	ND(2.5)	40	136.1		54.5	
93007-WP 10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	ND(2.5)	34.9	101.9		44.25	
93007-WP 1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	ND(2.5)	34.6	91.6		41.5	
93007-WP 4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	ND(5.0)	26.2	62.65		31.2	
93007-WP 7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	ND(2.5)	18.1	34.65		21.35	
93007-WP 10/00	10/16/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	ND(2.5)	22	82.35		24.85	
93007-WP 1/01	01/16/01	Input	ND(1.0)	8.08	5.94	36.7	ND(1.0)	ND(1.0)	ND(1.0)	2.36	ND(1.0)	ND(1.0)	31.33	50.72		33.69	
93007-WP 4/01	04/10/01	Input	ND(5.0)	63.5	51.1	278	ND(5.0)	ND(5.0)	ND(5.0)	21.9	ND(5.0)	ND(5.0)	215	392.6		236.9	
93007-WP 7/01	07/17/01	Input	ND(2.0)	2.9	2.8	15.5	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	14	21.2		14	
93007-WP 10/01	10/16/01	Input	ND(5.0)	ND(5.0)	ND(5.0)	7.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	22	7.6		22	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER UST

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene (mg/m3)	Total Xylene (mg/m3)	1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Vinyl Chloride (mg/m3)	PCE (mg/m3)	BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5		ND(0.1)	ND(0.1)		ND(0.1)		0.49				
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.17	6.64	281	10.9	ND(0.2)	215	ND(0.2)	2.68	15.84		1379.58	
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	7.88	0.27	ND(0.2)	17.2	ND(0.2)	0.87	ND(0.2)		12.9		21.1
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	15.6	ND(0.2)	579	ND(0.2)	2.1	8.1		1738.7	
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	2.8	ND(0.2)	48	ND(0.2)	35	0.8	21.5	4.9		108.1
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	593.4	13.3	ND(0.2)	492	ND(0.2)	2	444.4	0	1545.1	
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	56.2	ND(0.2)	13	ND(0.2)	31.9	ND(0.2)	0	1.6		170.4
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	13	ND(0.2)	35.6	ND(0.2)	9.7	1.01	58.3	
Unit 3 Output		After Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)	10.5	ND(0.2)	14.5	1.01		41.21
93007-TKShpInpt	04/11/96	Input	ND(0.2)	0.9	0.5	3.4	99.4	ND(0.2)	ND(0.2)	254	ND(0.2)	1	4.8		965.4	
93007-TKShpExh.4/96		Exhaust	0.6	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)	6.8	0.4	8.5	0.6		26.7
93007-TSINPUT.7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	47.1	4.8	ND(0.5)	ND(0.3)	ND(0.5)	0.5	46.2	0	98.6	
93007-TSEXHST.7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.3)	2.2	ND(0.3)	2.8	0.4		12.9
UST-INPUT-10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	97.7	ND(0.2)	179	1.95		338.67	
UST-OUTPUT-10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	4.66	ND(0.2)	2.59	ND(0.2)	1.62	4.83		8.87
93007-UST-INP-1/97	1/21/97	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	30	2.8	ND(1.0)	63.3	ND(1.0)	0.58J	205	0	301.1	
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	ND(1.0)	ND(1.0)	ND(1.0)	6.19	0		8.69
93-007-UST-INP-5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	21.3J	ND(25.0)	ND(25.0)	41.8	ND(25.0)	ND(25.0)	155	0	196.8	
93007-UST-1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3.85J	ND(5.0)	ND(5.0)	8.25	ND(5.0)	ND(5.0)	102	0	110.25	
93007-UST-4/98	04/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	121	0	121	
93007-UST-10/98	10/28/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.80J	ND(5.0)	ND(5.0)	104	0	104	
93007-UST-2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	46.8	0	46.8	
93007-UST-4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	37.9	0	37.9	
93007-UST-7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(5.0)	ND(2.5)	ND(2.5)	36.6	0	36.6	
93007-UST-10/99	10/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	37	0	37		
93007-UST-1/00	01/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	27.6	0	27.6		
93007-UST-4/00	04/17/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	36.2	0	36.2		
93007-UST-7/00	07/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	41.9	0	41.9		
93007-UST-10/00	10/16/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	29.4	0	29.4		
93007-UST-1/01	01/16/01	Input	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)	48.4	0	48.4		
93007-UST-7/01	07/17/01	Input	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)	21	0	21		
93007-UST-10/01	10/16/01	Input	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	2.6	0	2.6		

Notes: mg/m3 = milligrams per cubic meter

ND=Not Detected at detection limit shown in parentheses.

DCA=Dichloroethane

DCE= Dichloroethene

TCE = Trichloroethene

PCE = Tetachloroethene

APPENDIX A

LABORATORY ANALYTICAL REPORTS



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

Lab ID: C01100530-015

Collection Date: 10/16/01 16:30

Client Sample ID: 93007-2.10/01

Date Received: 10/17/01

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 03:44 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00031



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/25/01 03:44 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/25/01 03:44 / rh
Surr: 1,2-Dichlorobenzene-d4	99.2	%REC	80-120	SW8260B	10/25/01 03:44 / rh
Surr: Dibromofluoromethane	87.1	%REC	80-120	SW8260B	10/25/01 03:44 / rh
Surr: p-Bromofluorobenzene	93.9	%REC	80-120	SW8260B	10/25/01 03:44 / rh
Surr: Toluene-d8	98.8	%REC	80-120	SW8260B	10/25/01 03:44 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00032



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

Lab ID: C01100530-009

Collection Date: 10/16/01 13:30

Client Sample ID: 93007-3.10/01

Date Received: 10/17/01

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1,1-Trichloroethane	4.6	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1-Dichloroethane	22	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1-Dichloroethene	13	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Chloroform	2.7	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
cis-1,2-Dichloroethene	1.6	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 22:15 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00019



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 22:15 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Tetrachloroethene	9.6	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 22:15 / rh
Surr: 1,2-Dichlorobenzene-d4	98.5	%REC	80-120	SW8260B	10/24/01 22:15 / rh
Surr: Dibromofluoromethane	93.0	%REC	80-120	SW8260B	10/24/01 22:15 / rh
Surr: p-Bromofluorobenzene	95.0	%REC	80-120	SW8260B	10/24/01 22:15 / rh
Surr: Toluene-d8	99.1	%REC	80-120	SW8260B	10/24/01 22:15 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00020



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-014
Client Sample ID: 93007-4.10/01

Collection Date: 10/16/01 16:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1,1-Trichloroethane	11	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1,2-Trichloroethane	8.2	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1-Dichloroethane	14	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1-Dichloroethene	13	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,1-Dichloropropene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2,3-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2,3-Trichloropropane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2,4-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2,4-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2-Dibromoethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2-Dichloroethane	5.4	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,3,5-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,3-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,3-Dichloropropane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
1,4-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
2,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
2-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
4-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Benzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Bromobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Bromochloromethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Bromodichloromethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Bromoform	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Bromomethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Carbon tetrachloride	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Chlorobenzene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Chlorodibromomethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Chloroethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Chloroform	12	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Chloromethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
cis-1,2-Dichloroethene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
cis-1,3-Dichloropropene	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh
Dibromomethane	ND	ug/L		2.5		SW8260B	10/25/01 03:03 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00029



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Ethylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Hexachlorobutadiene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Isopropylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
m+p-Xylenes	ND	ug/L	5.0	SW8260B	10/25/01 03:03 / rh
Methyl ethyl ketone	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Methylene chloride	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Naphthalene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
n-Butylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
n-Propylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
o-Xylene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
p-Isopropyltoluene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
sec-Butylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Styrene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
tert-Butylbenzene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Tetrachloroethene	85	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Toluene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
trans-1,2-Dichloroethene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
trans-1,3-Dichloropropene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Trichloroethene	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Trichlorofluoromethane	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Vinyl chloride	ND	ug/L	2.5	SW8260B	10/25/01 03:03 / rh
Surr: 1,2-Dichlorobenzene-d4	100	%REC	80-120	SW8260B	10/25/01 03:03 / rh
Surr: Dibromofluoromethane	86.9	%REC	80-120	SW8260B	10/25/01 03:03 / rh
Surr: p-Bromofluorobenzene	95.3	%REC	80-120	SW8260B	10/25/01 03:03 / rh
Surr: Toluene-d8	98.7	%REC	80-120	SW8260B	10/25/01 03:03 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00030



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-007
Client Sample ID: 93007-5.10/01

Collection Date: 10/16/01 11:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1-Dichloroethane	28	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1-Dichloroethene	5.5	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Benzene	5.7	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
cis-1,2-Dichloroethene	4.7	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:47 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00015



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Ethylbenzene	1.4	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 18:47 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 18:47 / rh
Surr: 1,2-Dichlorobenzene-d4	97.2	%REC	80-120	SW8260B	10/24/01 18:47 / rh
Surr: Dibromofluoromethane	90.9	%REC	80-120	SW8260B	10/24/01 18:47 / rh
Surr: p-Bromofluorobenzene	95.9	%REC	80-120	SW8260B	10/24/01 18:47 / rh
Surr: Toluene-d8	100	%REC	80-120	SW8260B	10/24/01 18:47 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00016



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-008
Client Sample ID: 93007-6.10/01

Collection Date: 10/16/01 13:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1,1-Trichloroethane	8.5	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1,2-Trichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1-Dichloroethane	62	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1-Dichloroethene	39	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,1-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2,3-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2,3-Trichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2,4-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2,4-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2-Dibromoethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2-Dichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,3,5-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,3-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,3-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
1,4-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
2,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
2-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
4-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Benzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Bromobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Bromochloromethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Bromodichloromethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Bromoform	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Bromomethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Carbon tetrachloride	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Chlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Chlorodibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Chloroethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Chloroform	6.8	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Chloromethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
cis-1,2-Dichloroethene	4.8	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
cis-1,3-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh
Dibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 19:29 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00017



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Ethylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Hexachlorobutadiene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Isopropylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
m+p-Xylenes	ND	ug/L	5.0	SW8260B	10/24/01 19:29 / rh
Methyl ethyl ketone	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Methylene chloride	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Naphthalene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
n-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
n-Propylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
o-Xylene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
p-Isopropyltoluene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
sec-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Styrene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
tert-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Tetrachloroethene	36	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Toluene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
trans-1,2-Dichloroethene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
trans-1,3-Dichloropropene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Trichloroethene	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Trichlorofluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Vinyl chloride	ND	ug/L	2.5	SW8260B	10/24/01 19:29 / rh
Surr: 1,2-Dichlorobenzene-d4	99.9	%REC	80-120	SW8260B	10/24/01 19:29 / rh
Surr: Dibromofluoromethane	90.8	%REC	80-120	SW8260B	10/24/01 19:29 / rh
Surr: p-Bromofluorobenzene	94.7	%REC	80-120	SW8260B	10/24/01 19:29 / rh
Surr: Toluene-d8	99.0	%REC	80-120	SW8260B	10/24/01 19:29 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00018



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

Lab ID: C01100530-010

Collection Date: 10/16/01 14:00

Client Sample ID: 93007-7.10/01

Date Received: 10/17/01

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1,1-Trichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1,2-Trichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1-Dichloroethane	47	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1-Dichloroethene	19	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,1-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2,3-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2,3-Trichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2,4-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2,4-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2-Dibromoethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2-Dichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,3,5-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,3-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,3-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
1,4-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
2,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
2-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
4-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Benzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Bromobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Bromochloromethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Bromodichloromethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Bromoform	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Bromomethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Carbon tetrachloride	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Chlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Chlorodibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Chloroethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Chloroform	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Chloromethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
cis-1,2-Dichloroethene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
cis-1,3-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh
Dibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 22:56 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

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10530R00021



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Ethylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Hexachlorobutadiene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Isopropylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
m+p-Xylenes	ND	ug/L	5.0	SW8260B	10/24/01 22:56 / rh
Methyl ethyl ketone	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Methylene chloride	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Naphthalene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
n-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
n-Propylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
o-Xylene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
p-Isopropyltoluene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
sec-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Styrene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
tert-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Tetrachloroethene	64	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Toluene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
trans-1,2-Dichloroethene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
trans-1,3-Dichloropropene	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Trichloroethene	6.0	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Trichlorofluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Vinyl chloride	ND	ug/L	2.5	SW8260B	10/24/01 22:56 / rh
Surr: 1,2-Dichlorobenzene-d4	99.5	%REC	80-120	SW8260B	10/24/01 22:56 / rh
Surr: Dibromofluoromethane	91.2	%REC	80-120	SW8260B	10/24/01 22:56 / rh
Surr: p-Bromofluorobenzene	95.5	%REC	80-120	SW8260B	10/24/01 22:56 / rh
Surr: Toluene-d8	99.4	%REC	80-120	SW8260B	10/24/01 22:56 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00022



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-011
Client Sample ID: 93007-8.10/01

Collection Date: 10/16/01 14:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1,1-Trichloroethane	120	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1,2-Trichloroethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1-Dichloroethane	48	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1-Dichloroethene	200	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,1-Dichloropropene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2,3-Trichlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2,3-Trichloropropane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2,4-Trichlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2,4-Trimethylbenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2-Dibromoethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2-Dichlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2-Dichloroethane	17	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,2-Dichloropropane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,3,5-Trimethylbenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,3-Dichlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,3-Dichloropropane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
1,4-Dichlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
2,2-Dichloropropane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
2-Chlorotoluene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
4-Chlorotoluene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Benzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Bromobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Bromochloromethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Bromodichloromethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Bromoform	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Bromomethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Carbon tetrachloride	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Chlorobenzene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Chlorodibromomethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Chloroethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Chloroform	16	ug/L		10		SW8260B	10/25/01 00:19 / rh
Chloromethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
cis-1,2-Dichloroethene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
cis-1,3-Dichloropropene	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh
Dibromomethane	ND	ug/L		10		SW8260B	10/25/01 00:19 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00023



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Ethylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Hexachlorobutadiene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Isopropylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
m+p-Xylenes	ND	ug/L	20	SW8260B	10/25/01 00:19 / rh
Methyl ethyl ketone	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Methylene chloride	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Naphthalene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
n-Butylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
n-Propylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
o-Xylene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
p-Isopropyltoluene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
sec-Butylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Styrene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
tert-Butylbenzene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Tetrachloroethene	1700	ug/L	100	SW8260B	10/24/01 23:38 / rh
Toluene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
trans-1,2-Dichloroethene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
trans-1,3-Dichloropropene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Trichloroethene	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Trichlorofluoromethane	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Vinyl chloride	ND	ug/L	10	SW8260B	10/25/01 00:19 / rh
Surr: 1,2-Dichlorobenzene-d4	99.9	%REC	80-120	SW8260B	10/25/01 00:19 / rh
Surr: Dibromofluoromethane	90.3	%REC	80-120	SW8260B	10/25/01 00:19 / rh
Surr: p-Bromofluorobenzene	95.3	%REC	80-120	SW8260B	10/25/01 00:19 / rh
Surr: Toluene-d8	99.2	%REC	80-120	SW8260B	10/25/01 00:19 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00026



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-013
Client Sample ID: 93007-9.10/01

Collection Date: 10/16/01 15:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1-Dichloroethene	3.1	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 02:22 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00027



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/25/01 02:22 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Tetrachloroethene	11	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/25/01 02:22 / rh
Surr: 1,2-Dichlorobenzene-d4	97.2	%REC	80-120	SW8260B	10/25/01 02:22 / rh
Surr: Dibromofluoromethane	86.8	%REC	80-120	SW8260B	10/25/01 02:22 / rh
Surr: p-Bromofluorobenzene	93.3	%REC	80-120	SW8260B	10/25/01 02:22 / rh
Surr: Toluene-d8	99.3	%REC	80-120	SW8260B	10/25/01 02:22 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00028



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-012
Client Sample ID: 93007-10.10/01

Collection Date: 10/16/01 15:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 01:41 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00025



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/25/01 01:41 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Tetrachloroethene	4.7	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/25/01 01:41 / rh
Surr: 1,2-Dichlorobenzene-d4	99.5	%REC	80-120	SW8260B	10/25/01 01:41 / rh
Surr: Dibromofluoromethane	89.9	%REC	80-120	SW8260B	10/25/01 01:41 / rh
Surr: p-Bromofluorobenzene	94.7	%REC	80-120	SW8260B	10/25/01 01:41 / rh
Surr: Toluene-d8	98.3	%REC	80-120	SW8260B	10/25/01 01:41 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00026



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-002

Collection Date: 10/16/01 08:30

Client Sample ID: 93007-11.10/01

Date Received: 10/17/01

Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 15:20 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Ethylbenzene	1.5	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Isopropylbenzene	12	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 15:20 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
n-Propylbenzene	1.8	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
sec-Butylbenzene	1.7	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 15:20 / rh
Surr: 1,2-Dichlorobenzene-d4	99.8	%REC	80-120	SW8260B	10/24/01 15:20 / rh
Surr: Dibromofluoromethane	93.5	%REC	80-120	SW8260B	10/24/01 15:20 / rh
Surr: p-Bromofluorobenzene	95.6	%REC	80-120	SW8260B	10/24/01 15:20 / rh
Surr: Toluene-d8	99.4	%REC	80-120	SW8260B	10/24/01 15:20 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00005



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-001
Client Sample ID: 93007-12.10/01

Collection Date: 10/16/01 08:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 14:38 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00002



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 14:38 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 14:38 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC	80-120	SW8260B	10/24/01 14:38 / rh
Surr: Dibromofluoromethane	96.7	%REC	80-120	SW8260B	10/24/01 14:38 / rh
Surr: p-Bromofluorobenzene	96.2	%REC	80-120	SW8260B	10/24/01 14:38 / rh
Surr: Toluene-d8	98.1	%REC	80-120	SW8260B	10/24/01 14:38 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00003



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-006
Client Sample ID: 93007-13.10/01

Collection Date: 10/16/01 11:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1-Dichloroethene	11	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 18:06 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00013



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 18:06 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Tetrachloroethene	13	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 18:06 / rh
Surr: 1,2-Dichlorobenzene-d4	98.1	%REC	80-120	SW8260B	10/24/01 18:06 / rh
Surr: Dibromofluoromethane	90.4	%REC	80-120	SW8260B	10/24/01 18:06 / rh
Surr: p-Bromofluorobenzene	94.3	%REC	80-120	SW8260B	10/24/01 18:06 / rh
Surr: Toluene-d8	99.4	%REC	80-120	SW8260B	10/24/01 18:06 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00014



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-003
Client Sample ID: 93007-14.10/01

Collection Date: 10/16/01 09:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1-Dichloroethene	1.9	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 16:02 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 16:02 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 16:02 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC	80-120	SW8260B	10/24/01 16:02 / rh
Surr: Dibromofluoromethane	91.9	%REC	80-120	SW8260B	10/24/01 16:02 / rh
Surr: p-Bromofluorobenzene	96.4	%REC	80-120	SW8260B	10/24/01 16:02 / rh
Surr: Toluene-d8	98.3	%REC	80-120	SW8260B	10/24/01 16:02 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00007



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-004
Client Sample ID: 93007-15.10/01

Collection Date: 10/16/01 10:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR-IONS							
Bicarbonate as HCO3	284	mg/L		1.0		A2320 B	10/19/01 13:45 / nlm
Calcium	235	mg/L		1.0		E200.7	10/19/01 13:29 / cp
Carbonate as CO3	ND	mg/L		1.0		A2320 B	10/19/01 13:45 / nlm
Chloride	147	mg/L		1.0		E200.7	10/19/01 13:29 / cp
Magnesium	39.3	mg/L		1.0		E200.7	10/19/01 13:29 / cp
Potassium	2.0	mg/L		1.0		E200.7	10/19/01 13:29 / cp
Sodium	125	mg/L		1.0		E200.7	10/19/01 13:29 / cp
Sulfate	435	mg/L		1.0		E200.7	10/19/01 13:29 / cp
NON-METALS							
Alkalinity, Total as CaCO3	233	mg/L		1.0		A2320 B	10/19/01 13:45 / nlm
Nitrogen, Nitrate+Nitrite as N	11.6	mg/L		1.0		E353.2	10/24/01 12:28 / rwk
pH	7.50	mg/L		0.01		A2320 B	10/19/01 13:45 / nlm
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @180 C	1390	mg/L		10		A2540 C	10/18/01 14:36 / lr
DATA QUALITY							
A/C Balance (± 5)	4.64	%				A1030 E	10/29/01 14:39 / msj
Anions	18.7	%				A1030 E	10/29/01 14:39 / msj
Cations	20.5	%				A1030 E	10/29/01 14:39 / msj
Solids, Total Dissolved Calculated	1177	%				A1030 E	10/29/01 14:39 / msj
TDS Balance (0.80 - 1.20)	1.18	%				A1030 E	10/29/01 14:39 / msj
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1-Dichloroethene	1.3	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 16:43 / rh

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00008



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Lab Order: C01100530

Project: Not Indicated

Report Date: 10/29/01

VOCS

1,2-Dichloropropane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
1,3,5-Trimethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
1,3-Dichlorobenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
1,3-Dichloropropane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
1,4-Dichlorobenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
2,2-Dichloropropane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
2-Chlorotoluene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
4-Chlorotoluene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Benzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Bromobenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Bromochloromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Bromodichloromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Bromoform	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Bromomethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Carbon tetrachloride	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Chlorobenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Chlorodibromomethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Chloroethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Chloroform	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Chloromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
cis-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
cis-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Dibromomethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 16:43 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 16:43 / rh
Surr: 1,2-Dichlorobenzene-d4	98.1	%REC	80-120	SW8260B	10/24/01 16:43 / rh

Report ND - Not detected at the reporting limit

RL - Analyte reporting level

Definitions: MCL - Maximum contaminant level

QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00009



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Surr: Dibromofluoromethane	91.4	%REC	80-120	SW8260B	10/24/01 16:43 / rh
Surr: p-Bromofluorobenzene	92.8	%REC	80-120	SW8260B	10/24/01 16:43 / rh
Surr: Toluene-d8	98.6	%REC	80-120	SW8260B	10/24/01 16:43 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00010



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-005
Client Sample ID: 93007-504.10/01

Collection Date: 10/16/01 10:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1,1-Trichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1,2-Trichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1-Dichloroethane	66	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1-Dichloroethene	55	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,1-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2,3-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2,3-Trichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2,4-Trichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2,4-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2-Dibromoethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2-Dichloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,3,5-Trimethylbenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,3-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,3-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
1,4-Dichlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
2,2-Dichloropropane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
2-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
4-Chlorotoluene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Benzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Bromobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Bromochloromethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Bromodichloromethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Bromoform	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Bromomethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Carbon tetrachloride	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Chlorobenzene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Chlorodibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Chloroethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Chloroform	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Chloromethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
cis-1,2-Dichloroethene	13	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
cis-1,3-Dichloropropene	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh
Dibromomethane	ND	ug/L		2.5		SW8260B	10/24/01 17:24 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00011



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Ethylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Hexachlorobutadiene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Isopropylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
m+p-Xylenes	ND	ug/L	5.0	SW8260B	10/24/01 17:24 / rh
Methyl ethyl ketone	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Methylene chloride	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Naphthalene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
n-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
n-Propylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
o-Xylene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
p-Isopropyltoluene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
sec-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Styrene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
tert-Butylbenzene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Tetrachloroethene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Toluene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
trans-1,2-Dichloroethene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
trans-1,3-Dichloropropene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Trichloroethene	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Trichlorofluoromethane	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Vinyl chloride	ND	ug/L	2.5	SW8260B	10/24/01 17:24 / rh
Surr: 1,2-Dichlorobenzene-d4	102	%REC	80-120	SW8260B	10/24/01 17:24 / rh
Surr: Dibromofluoromethane	89.9	%REC	80-120	SW8260B	10/24/01 17:24 / rh
Surr: p-Bromofluorobenzene	93.4	%REC	80-120	SW8260B	10/24/01 17:24 / rh
Surr: Toluene-d8	98.5	%REC	80-120	SW8260B	10/24/01 17:24 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00012



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-016
Client Sample ID: 93007-A.10/01

Collection Date: 10/16/01 07:30
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1-Dichloroethene	1.3	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 04:24 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00033



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/25/01 04:24 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/25/01 04:24 / rh
Surr: 1,2-Dichlorobenzene-d4	99.3	%REC	80-120	SW8260B	10/25/01 04:24 / rh
Surr: Dibromofluoromethane	85.9	%REC	80-120	SW8260B	10/25/01 04:24 / rh
Surr: p-Bromofluorobenzene	94.4	%REC	80-120	SW8260B	10/25/01 04:24 / rh
Surr: Toluene-d8	98.0	%REC	80-120	SW8260B	10/25/01 04:24 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00034



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-017
Client Sample ID: 93007-B.10/01

Collection Date: 10/16/01 07:00
Date Received: 10/17/01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,1,1-Trichloroethane	120	ug/L		10		SW8260B	10/26/01 05:30 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,1,2-Trichloroethane	8.1	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,1-Dichloroethane	45	ug/L		10		SW8260B	10/26/01 05:30 / rh
1,1-Dichloroethene	210	ug/L		10		SW8260B	10/26/01 05:30 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2-Dichloroethane	17	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Chloroform	15	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/25/01 05:45 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

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10530R00035



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/25/01 05:45 / rh
Methyl ethyl ketone	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Tetrachloroethene	1800	ug/L	100	SW8260B	10/26/01 04:49 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Trichloroethene	2.7	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/25/01 05:45 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC	80-120	SW8260B	10/25/01 05:45 / rh
Surr: Dibromofluoromethane	87.0	%REC	80-120	SW8260B	10/25/01 05:45 / rh
Surr: p-Bromofluorobenzene	92.8	%REC	80-120	SW8260B	10/25/01 05:45 / rh
Surr: Toluene-d8	99.2	%REC	80-120	SW8260B	10/25/01 05:45 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.

10530R00036



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

Lab ID: C01100530-018
Client Sample ID: Trip Blank

Collection Date: 10/03/01
Date Received: 10/17/01
Matrix: TRIP BLANK

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/24/01 13:58 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00037



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: Not Indicated

Lab Order: C01100530
Report Date: 10/29/01

VOCS

Dichlorodifluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Ethylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Hexachlorobutadiene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Isopropylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
m+p-Xylenes	ND	ug/L	2.0	SW8260B	10/24/01 13:58 / rh
Methyl ethyl ketone	ND	ug/L	20	SW8260B	10/24/01 13:58 / rh
Methylene chloride	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Naphthalene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
n-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
n-Propylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
o-Xylene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
p-Isopropyltoluene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
sec-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Styrene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
tert-Butylbenzene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Tetrachloroethene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Toluene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
trans-1,2-Dichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
trans-1,3-Dichloropropene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Trichloroethene	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Trichlorofluoromethane	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Vinyl chloride	ND	ug/L	1.0	SW8260B	10/24/01 13:58 / rh
Surr: 1,2-Dichlorobenzene-d4	101	%REC	80-120	SW8260B	10/24/01 13:58 / rh
Surr: Dibromofluoromethane	96.6	%REC	80-120	SW8260B	10/24/01 13:58 / rh
Surr: p-Bromofluorobenzene	93.1	%REC	80-120	SW8260B	10/24/01 13:58 / rh
Surr: Toluene-d8	99.1	%REC	80-120	SW8260B	10/24/01 13:58 / rh

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

RL - Analyte reporting level
QCL - Quality control limit

TRACKING NO. PAGE NO.
10530R00038

**QUALITY ASSURANCE REPORT
WESTERN WATER CONSULTANTS**

Laboratory ID Range: C01100530-004
Report Date: October 29, 2001

Major Ions	Method	RPD ₁	Spike ₂	Analyst	Date Analyzed
Calcium	EPA 200.7	4.2	98	cp	10-19-01
Magnesium	EPA 200.7	3.7	101	cp	10-19-01
Sodium	EPA 200.7	1.9	95	cp	10-19-01
Potassium	EPA 200.7	2.8	95	cp	10-19-01
Carbonate	SM 2320-B	1.5	-	nlm	10-19-01
Bicarbonate	SM 2320-B	1.5	-	nlm	10-19-01
Sulfate	EPA 200.7	3.7	85	cp	10-19-01
Chloride	EPA 200.7	7.7	101	cp	10-19-01
Nitrate + Nitrite	EPA 353.2	3.7	99	rwk	10-24-01

PARAMETERS with 48 hour holding time					Date/Time Analyzed
pH	SM 4500-H-B	1.5	-	nlm	10-19-01 13:45

Non-Metals					
Alkalinity	SM 2320-B	1.5	100	nlm	10-19-01
Total Dissolved Solids	SM 2540-C	1.1	100	ldr	10-18-01

NOTES:

- (1) These values are an assessment of analytical precision. The acceptance range is 0-20% for sample results above 10 times the reporting limit. This range is not applicable to samples with results below 10 times the reporting limit.
- (2) These values are an assessment of analytical accuracy. They are a percent recovery of the spike addition. ELI performs a matrix spike on 10 percent of all samples for each analytical method.

Chain of Custody and Analytical Request Record

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

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

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

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: NOBBS 93007	
Report Address: 611 SKYLINE RD LAWRENCE, WY 82470		Sampler Name if other than Contact: RICK DEGEN	
Invoice Address: SAMC		Purchase Order #: 93007.4	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____		ELI Quote #:	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
EDD/EDT ☐ Format _____		Comments:	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		RUSH Turnaround (TAT)	
Collection Date		Normal Turnaround (TAT)	
Collection Time		SEE ATTACHED	
Number of Containers		SEE ATTACHED	
Sample Type: A W S V U O		SEE ATTACHED	
Air Water Soils/Solids Vegetation		SEE ATTACHED	
Urine Other		SEE ATTACHED	
MATRIX		SEE ATTACHED	
1 93007-8, 10/01		10/16/01 14:30	
2 93007-10, 10/01		10/16/01 15:00	
3 93007-9, 10/01		10/16/01 15:30	
4 93007-4, 10/01		10/16/01 16:00	
5 93007-2, 10/01		10/16/01 16:30	
6 93007-A, 10/01		10/16/01 07:30	
7 93007-B, 10/01		10/16/01 07:00	
8 TRAP BLANK		10/16/01 12:00	
9		10/16/01 12:00	
10		10/16/01 12:00	
Custody Record MUST be Signed		Received by: Sam DeWine Date/Time: 10/19/00	
Relinquished by: Sam DeWine Date/Time: 10/19/00		Received by: Sam DeWine Date/Time: 10/19/00	
Sample Disposal: PHD-H		Shipped by: UPS Date/Time: 10/16/01 17:00	
Return to client: _____		Shipped by: _____ Date/Time: _____	
Lab Disposal: _____		Sample Type: _____ # of fractions: _____	
LABORATORY USE ONLY		LABORATORY USE ONLY	

10530R000040

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: WSTRN-WTR-CNSLTNTS-LR

Date and Time Received

10/17/2001 10:00:00

Work Order Number C01100530

Received by: smc

Checklist completed by

Sana A. Hussein 10/18/01
Signature Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

0 °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - pH acceptable upon receipt?

Yes ☒

No ☐

Adjusted?

Checked by

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

Client contacted:

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

TRACKING NO. PAGE NO.

10530R00042



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C01100503-001
Client Sample ID: 93007-WP.10/01

Report Date: 10/22/01
Collection Date: 10/16/01 16:45
Date Received: 10/17/01
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1,1-Trichloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1,2-Trichloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1-Dichloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1-Dichloroethene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,1-Dichloropropene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2,3-Trichloropropane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2,4-Trimethylbenzene	16	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2-Dibromoethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2-Dichlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2-Dichloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,2-Dichloropropane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,3,5-Trimethylbenzene	8.2	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,3-Dichlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,3-Dichloropropane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
1,4-Dichlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
2,2-Dichloropropane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
2-Chlorotoluene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
4-Chlorotoluene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Benzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Bromobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Bromochloromethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Bromodichloromethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Bromoform	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Bromomethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Carbon tetrachloride	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Chlorobenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Chlorodibromomethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Chloroethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Chloroform	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Chloromethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Dibromomethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Dichlorodifluoromethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

QCL - Quality control limit
RL - Analyte reporting level



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C01100503-001

Client Sample ID: 93007-WP.10/01

Report Date: 10/22/01

Collection Date: 10/16/01 16:45

Date Received: 10/17/01

Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
Ethylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Hexachlorobutadiene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Isopropylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
m+p-Xylenes	ND	mg/m3		10		SW8260B	10/17/01 15:00 / rlo
Methyl ethyl ketone	ND	mg/m3		100		SW8260B	10/17/01 15:00 / rlo
Methylene chloride	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Naphthalene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
n-Butylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
n-Propylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
o-Xylene	7.8	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
p-Isopropyltoluene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
sec-Butylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Styrene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
tert-Butylbenzene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Tetrachloroethene	22	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Toluene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Trichloroethene	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Trichlorofluoromethane	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Vinyl chloride	ND	mg/m3		5.0		SW8260B	10/17/01 15:00 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/17/01 15:00 / rlo
Surr: Dibromofluoromethane	90.4	%REC			80-120	SW8260B	10/17/01 15:00 / rlo
Surr: p-Bromofluorobenzene	92.3	%REC			80-120	SW8260B	10/17/01 15:00 / rlo
Surr: Toluene-d8	93.2	%REC			80-120	SW8260B	10/17/01 15:00 / rlo

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

QCL - Quality control limit
RL - Analyte reporting level



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C01100503-002

Client Sample ID: 93007-AD.10/01

Report Date: 10/22/01

Collection Date: 10/16/01 17:00

Date Received: 10/17/01

Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Benzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Bromoform	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Bromomethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Chloroethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Chloroform	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Chloromethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo

Report ND - Not detected at the reporting limit

Definitions:

MCL - Maximum contaminant level

QCL - Quality control limit

RL - Analyte reporting level



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 93007 Hobbs

Lab ID: C01100503-002

Client Sample ID: 93007-AD.10/01

Report Date: 10/22/01

Collection Date: 10/16/01 17:00

Date Received: 10/17/01

Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
m+p-Xylenes	ND	mg/m3		2.0		SW8260B	10/17/01 15:38 / rlo
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/17/01 15:38 / rlo
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Naphthalene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
o-Xylene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Styrene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Tetrachloroethene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Toluene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/17/01 15:38 / rlo
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/17/01 15:38 / rlo
Surr: Dibromofluoromethane	90.8	%REC			80-120	SW8260B	10/17/01 15:38 / rlo
Surr: p-Bromofluorobenzene	88.3	%REC			80-120	SW8260B	10/17/01 15:38 / rlo
Surr: Toluene-d8	90.3	%REC			80-120	SW8260B	10/17/01 15:38 / rlo

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

QCL - Quality control limit
RL - Analyte reporting level



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C01100503-003
Client Sample ID: 93007-UST.10/01

Report Date: 10/22/01
Collection Date: 10/16/01 17:15
Date Received: 10/17/01
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1,1-Trichloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1,2,2-Tetrachloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1,2-Trichloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1-Dichloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1-Dichloroethene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,1-Dichloropropene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2,3-Trichlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2,3-Trichloropropane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2,4-Trichlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2,4-Trimethylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2-Dibromo-3-chloropropane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2-Dibromoethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2-Dichlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2-Dichloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,2-Dichloropropane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,3,5-Trimethylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,3-Dichlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,3-Dichloropropane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
1,4-Dichlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
2,2-Dichloropropane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
2-Chlorotoluene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
4-Chlorotoluene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Benzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Bromobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Bromochloromethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Bromodichloromethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Bromoform	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Bromomethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Carbon tetrachloride	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Chlorobenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Chlorodibromomethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Chloroethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Chloroform	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Chloromethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
cis-1,2-Dichloroethene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
cis-1,3-Dichloropropene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Dibromomethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Dichlorodifluoromethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo

Report ND - Not detected at the reporting limit
Definitions: MCL - Maximum contaminant level

QCL - Quality control limit
RL - Analyte reporting level



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 93007 Hobbs
Lab ID: C01100503-003
Client Sample ID: 93007-UST.10/01

Report Date: 10/22/01
Collection Date: 10/16/01 17:15
Date Received: 10/17/01
Matrix: AIR

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOCS							
Ethylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Hexachlorobutadiene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Isopropylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
m+p-Xylenes	ND	mg/m3		4.0		SW8260B	10/17/01 16:15 / rlo
Methyl ethyl ketone	ND	mg/m3		40		SW8260B	10/17/01 16:15 / rlo
Methylene chloride	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Naphthalene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
n-Butylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
n-Propylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
o-Xylene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
p-Isopropyltoluene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
sec-Butylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Styrene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
tert-Butylbenzene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Tetrachloroethene	2.6	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Toluene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
trans-1,2-Dichloroethene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
trans-1,3-Dichloropropene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Trichloroethene	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Trichlorofluoromethane	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Vinyl chloride	ND	mg/m3		2.0		SW8260B	10/17/01 16:15 / rlo
Surr: 1,2-Dichlorobenzene-d4	100	%REC			80-120	SW8260B	10/17/01 16:15 / rlo
Surr: Dibromofluoromethane	89.9	%REC			80-120	SW8260B	10/17/01 16:15 / rlo
Surr: p-Bromofluorobenzene	87.9	%REC			80-120	SW8260B	10/17/01 16:15 / rlo
Surr: Toluene-d8	91.1	%REC			80-120	SW8260B	10/17/01 16:15 / rlo

Report Definitions: ND - Not detected at the reporting limit
MCL - Maximum contaminant level

QCL - Quality control limit
RL - Analyte reporting level



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CLIENT: Western Water Consultants
Work Order: C01100503
Project: 93007 Hobbs

ANALYTICAL QC SUMMARY REPORT

Date: 24-Oct-01

TestNo: SW8260B

Sample ID: Method Blank	SampType: MBLK	TestCode: VOC-8260-A-SHT	Units: mg/m3	Prep Date:	Run ID: GCMS2-C_011017D						
Client ID:	Batch ID: R2761	TestNo: SW8260B		Analysis Date: 10/17/2001	SeqNo: 56483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
1,1-Dichloropropene	ND	1.0									
1,2,3-Trichlorobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	1.0									
1,2-Dibromo-3-chloropropane	ND	1.0									
1,2-Dibromoethane	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,2-Dichloropropane	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,3-Dichloropropane	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
2,2-Dichloropropane	ND	1.0									
2-Chlorotoluene	ND	1.0									
4-Chlorotoluene	ND	1.0									
Benzene	ND	1.0									
Bromobenzene	ND	1.0									
Bromochloromethane	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									

Qualifiers: NID - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

COMPLETE ANALYTICAL SERVICES



CLIENT: Western Water Consultants
Work Order: C01100503
Project: 93007 Hobbs

ANALYTICAL QC SUMMARY REPORT

Date: 24-Oct-01

TestNo: SW8260B

Sample ID: Method Blank	SampType: MBLK	TestCode: VOC-8260-A-SHT	Units: mg/m3	Prep Date:	Run ID: GCMS2-C_011017D						
Client ID:	Batch ID: R2761	TestNo: SW8260B		Analysis Date: 10/17/2001	SeqNo: 56483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chlorodibromomethane	ND	1.0									
Chloroethane	ND	1.0									
Chloroform	ND	1.0									
Chloromethane	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Dibromomethane	ND	1.0									
Dichlorodifluoromethane	ND	1.0									
Ethylbenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
Isopropylbenzene	ND	1.0									
m+p-Xylenes	ND	2.0									
Methyl ethyl ketone	ND	20									
Methylene chloride	ND	1.0									
Naphthalene	ND	1.0									
n-Butylbenzene	ND	1.0									
n-Propylbenzene	ND	1.0									
o-Xylene	ND	1.0									
p-Isopropyltoluene	ND	1.0									
sec-Butylbenzene	ND	1.0									
Styrene	ND	1.0									
tert-Butylbenzene	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									

Qualifiers: NID - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CLIENT: Western Water Consultants
Work Order: C01100503
Project: 93007 Hobbs

ANALYTICAL QC SUMMARY REPORT

Date: 24-Oct-01

TestNo: SW8260B

Sample ID: Method Blank	SampType: MBLK	TestCode: VOC-8260-A-SHT	Units: mg/m3	Prep Date:	Run ID: GCMS2-C_011017D						
Client ID:	Batch ID: R2761	TestNo: SW8260B		Analysis Date: 10/17/2001	SeqNo: 56483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	1.0									
Trichloroethene	ND	1.0									
Trichlorofluoromethane	ND	1.0									
Vinyl chloride	ND	1.0									
Surr: 1,2-Dichlorobenzene-d4	9.97	0	10	0	99.7	80	120	0	0	0	
Surr: Dibromofluoromethane	8.83	0	10	0	88.3	80	120	0	0	0	
Surr: p-Bromofluorobenzene	8.78	0	10	0	87.8	80	120	0	0	0	
Surr: Toluene-d8	9.06	0	10	0	90.6	80	120	0	0	0	

Sample ID: C01100503-002A		SampType: MS		TestCode: VOC-8260-A-SHT		Units: mg/m3		Prep Date:		Run ID: GCMS2-C_011017D	
Client ID: 93007-AD.10/01		Batch ID: R2761		TestNo: SW8260B				Analysis Date: 10/17/2001		SeqNo: 56484	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	79.8	10	100	0	79.8	70	130	0	0	0	0
1,2-Dichloroethane	94.8	10	100	0	94.8	70	130	0	0	0	0
1,4-Dichlorobenzene	110.8	10	100	0	111	70	130	0	0	0	0
Benzene	83.8	10	100	0	83.8	70	130	0	0	0	0
Carbon tetrachloride	88.1	10	100	0	88.1	70	130	0	0	0	0
Chlorobenzene	103.5	10	100	0	104	70	130	0	0	0	0
Chloroform	76.5	10	100	0	76.5	70	130	0	0	0	0
Methyl ethyl ketone	758.1	200	1000	0	75.8	70	130	0	0	0	0
Tetrachloroethene	117.4	10	100	0	117	70	130	0	0	0	0
Trichloroethene	90.5	10	100	0	90.5	70	130	0	0	0	0
Vinyl chloride	78.8	10	100	0	78.8	70	130	0	0	0	0
Surr: 1,2-Dichlorobenzene-d4	98.4	0	100	0	98.4	80	120	0	0	0	0
Surr: Dibromofluoromethane	89.2	0	100	0	89.2	80	120	0	0	0	0
Surr: p-Bromofluorobenzene	87.7	0	100	0	87.7	80	120	0	0	0	0
Surr: Toluene-d8	91.5	0	100	0	91.5	80	120	0	0	0	0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CLIENT: Western Water Consultants
Work Order: C01100503
Project: 93007 Hobbs

ANALYTICAL QC SUMMARY REPORT

Date: 24-Oct-01

TestNo: SW8260B

Sample ID: C01100503-002A	SampType: MSD	TestCode: VOC-8260-A-SHT	Units: mg/m3	Prep Date:	Run ID: GCMS2-C_011017D						
Client ID: 93007-AD.10/01	Batch ID: R2761	TestNo: SW8260B		Analysis Date: 10/17/2001	SeqNo: 56485						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	77.2	10	100	0	77.2	70	130	79.8	3.31	20	
1,2-Dichloroethane	97.9	10	100	0	97.9	70	130	94.8	3.22	20	
1,4-Dichlorobenzene	110.6	10	100	0	111	70	130	110.8	0.181	20	
Benzene	83.2	10	100	0	83.2	70	130	83.8	0.719	20	
Carbon tetrachloride	88.9	10	100	0	88.9	70	130	88.1	0.904	20	
Chlorobenzene	102.1	10	100	0	102	70	130	103.5	1.36	20	
Chloroform	78.2	10	100	0	78.2	70	130	76.5	2.20	20	
Methyl ethyl ketone	817.3	200	1000	0	81.7	70	130	758.1	7.52	20	
Tetrachloroethene	114.4	10	100	0	114	70	130	117.4	2.59	20	
Trichloroethene	90.3	10	100	0	90.3	70	130	90.5	0.221	20	
Vinyl chloride	79.2	10	100	0	79.2	70	130	78.8	0.506	20	
Surr: 1,2-Dichlorobenzene-d4	99.2	0	100	0	99.2	80	120	0	0	10	
Surr: Dibromofluoromethane	92.3	0	100	0	92.3	80	120	0	0	10	
Surr: p-Bromofluorobenzene	87.4	0	100	0	87.4	80	120	0	0	10	
Surr: Toluene-d8	92.2	0	100	0	92.2	80	120	0	0	10	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



Chain of Custody and Analytical Request Record

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

Page of

Company Name: WUC		Project Name, PWS #, Permit #, Etc.: 93007 HOBBS	
Report Address: 1011 SKYLINE RD LIZAMICK, WY 82070		Sampler Name if other than Contact: TRICK DENEUE	
Invoice Address: SAFE		Purchase Order #: 93007.5	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other <u> </u>		ELI Quote #:	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other <u> </u>		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments:	
EDD/EDT ☐ Format <u> </u>		Receipt Temp <u> </u> °C Cooler ID(s) <u> </u> Custody Seal Y N Intact Y N Signature Y N Match Lab ID	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Normal Turnaround (TAT)	
1 93007-WP-10/01 10/01 16:45 1A K		SEE ATTACHED	
2 93007-AD-10/01 17:00 1A K		RUSH Turnaround (TAT)	
3 93007-UST-10/01 17:15 1A K		Comments:	
4			
5			
6			
7			
8			
9			
10			
Custody Record MUST be Signed		Relinquished by: SAW Date/Time: 10/01/17 17:30	
Relinquished by: SAW Date/Time: 10/01/17 17:30		Received by: SAW Date/Time: 10/01/17 17:30	
Sample Disposal: <u> </u> Return to client: <u> </u> Lab Disposal: <u> </u>		LABORATORY USE ONLY Sample Type: <u> </u> # of fractions: <u> </u>	

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name WSTRN-WTR-CNSLTNTS-LR

Date and Time Receive

10/17/2001 10:30:00

Work Order Number C01100503

Received by sh

Checklist completed by

Keri Schroeder 10/17/01
Signature Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

4 °C

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☒ -AIR

Adjusted?

Checked b

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

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

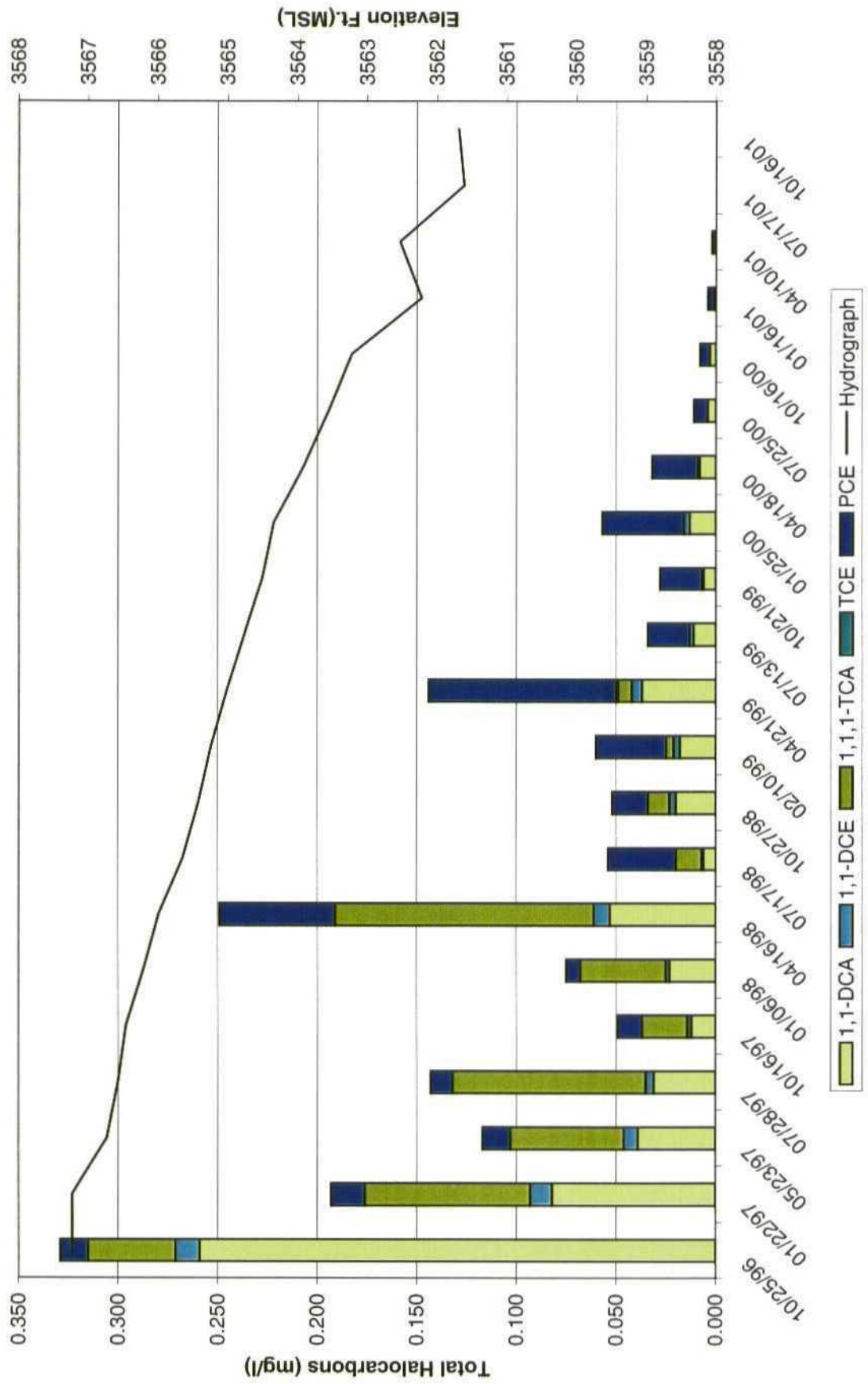
Sample #3 Id. per label which says 93007. UST. 10/01.

Corrective Action

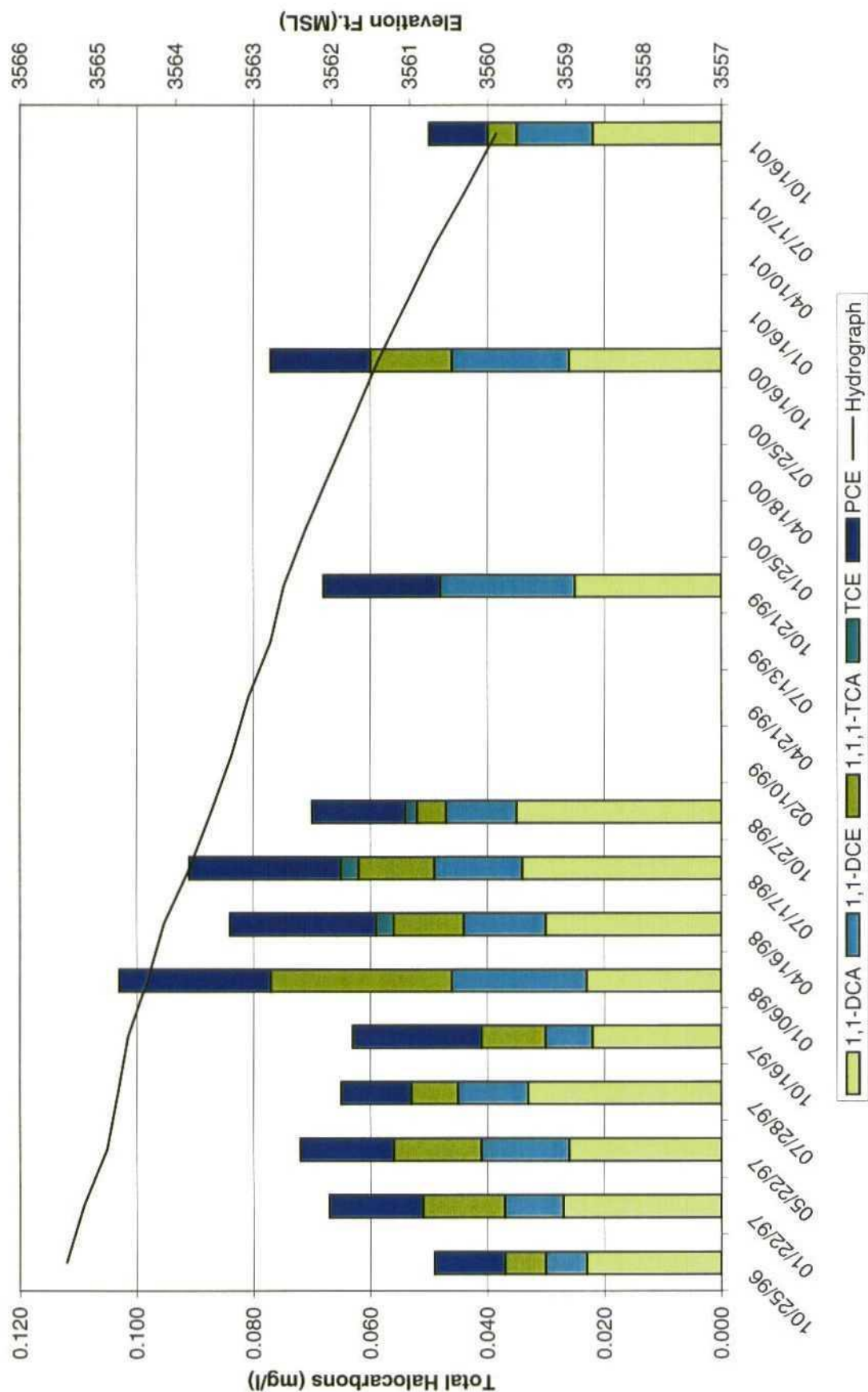
APPENDIX B

*HALOCARBONS AND GROUND-WATER
LEVEL PLOTS*

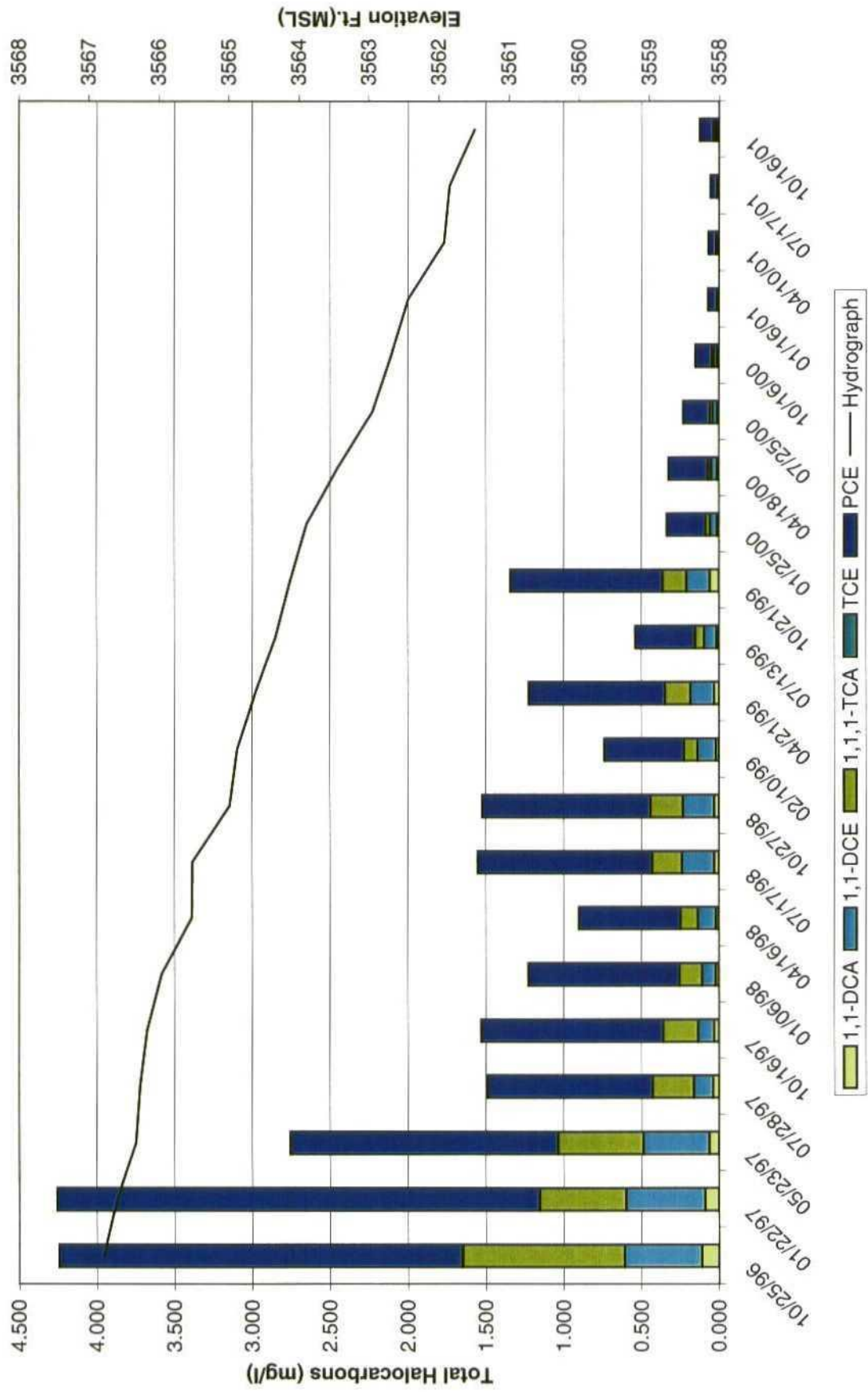
Monitoring Well MW-2



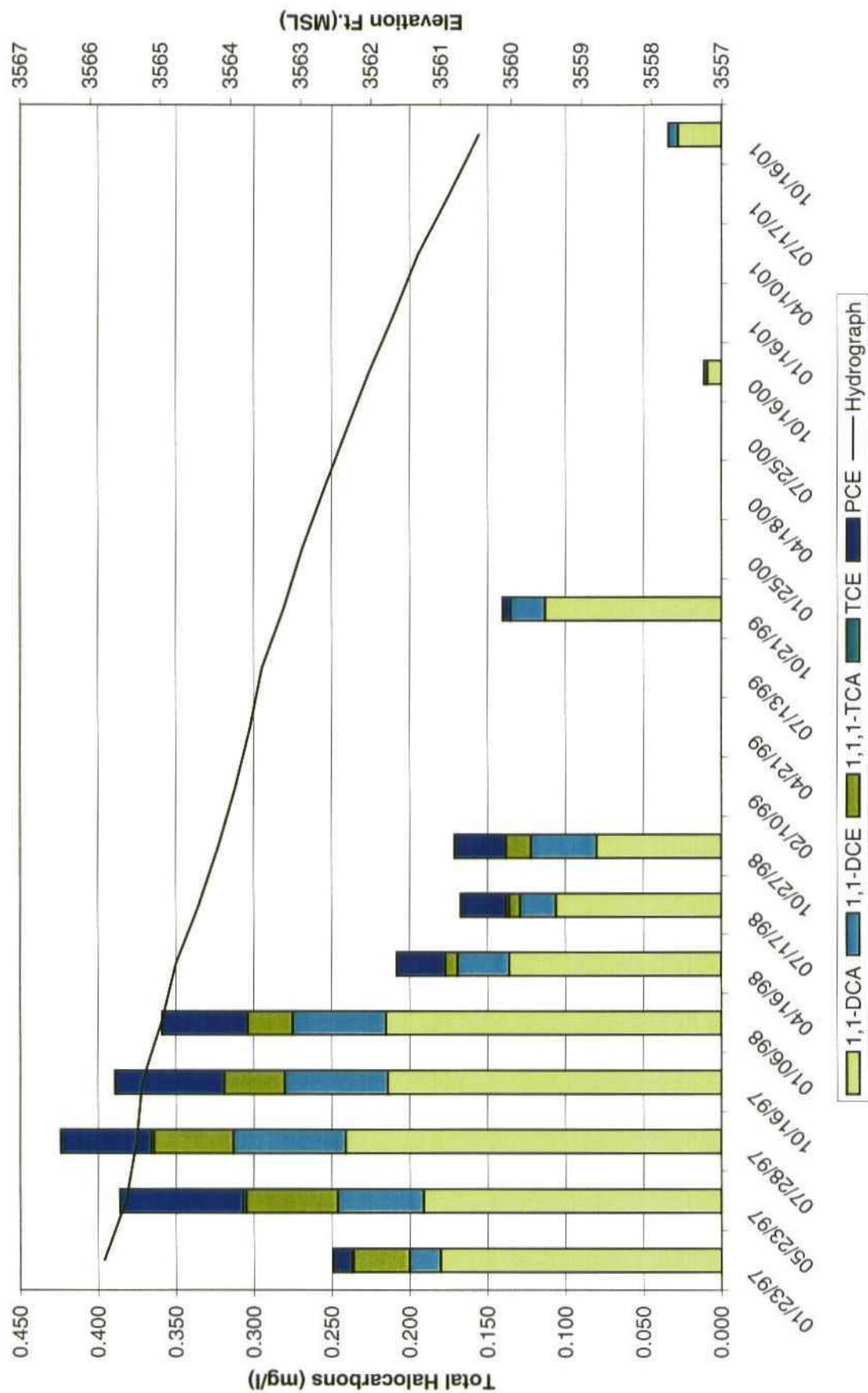
Monitoring Well MW-3



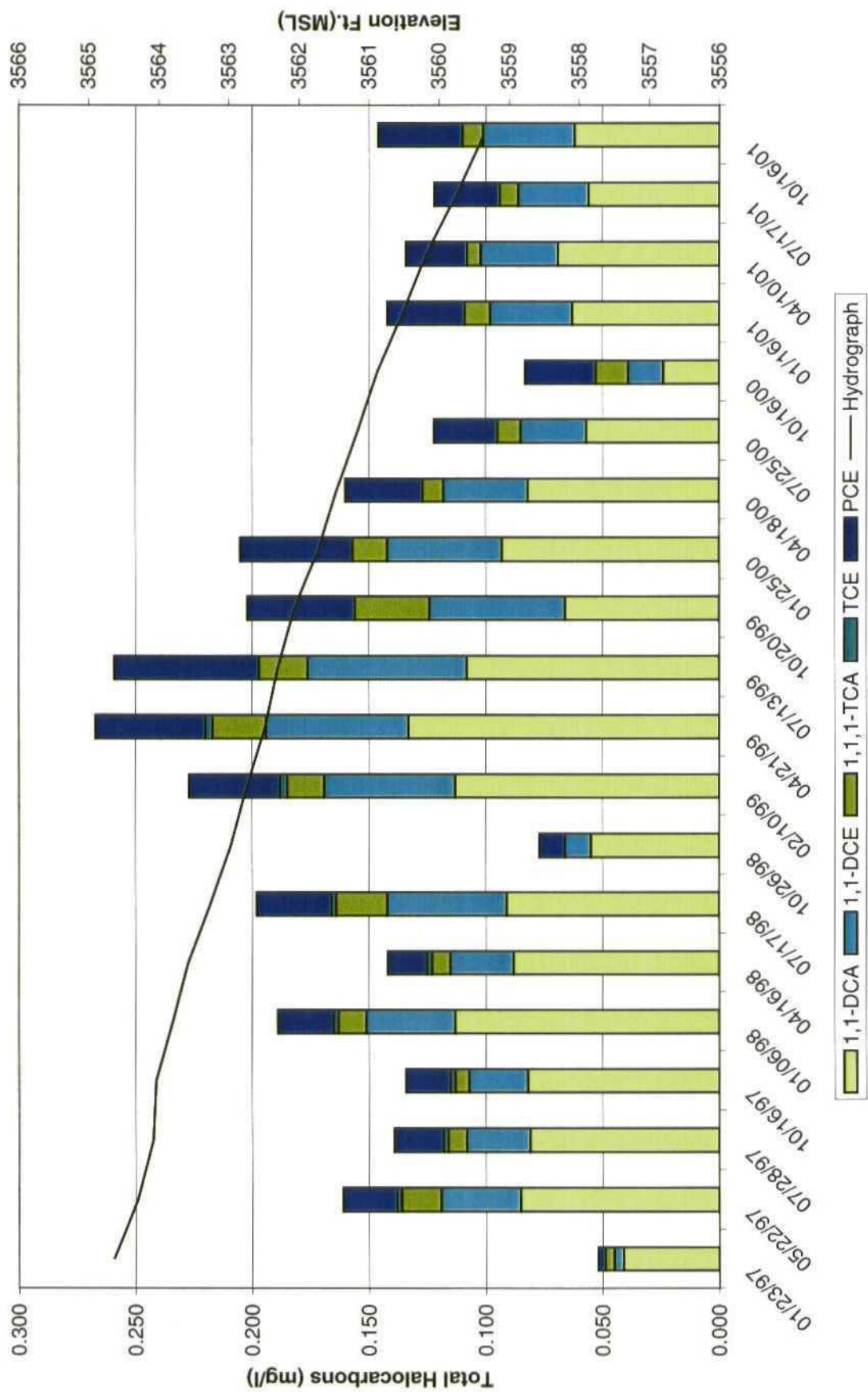
Monitoring Well MW-4



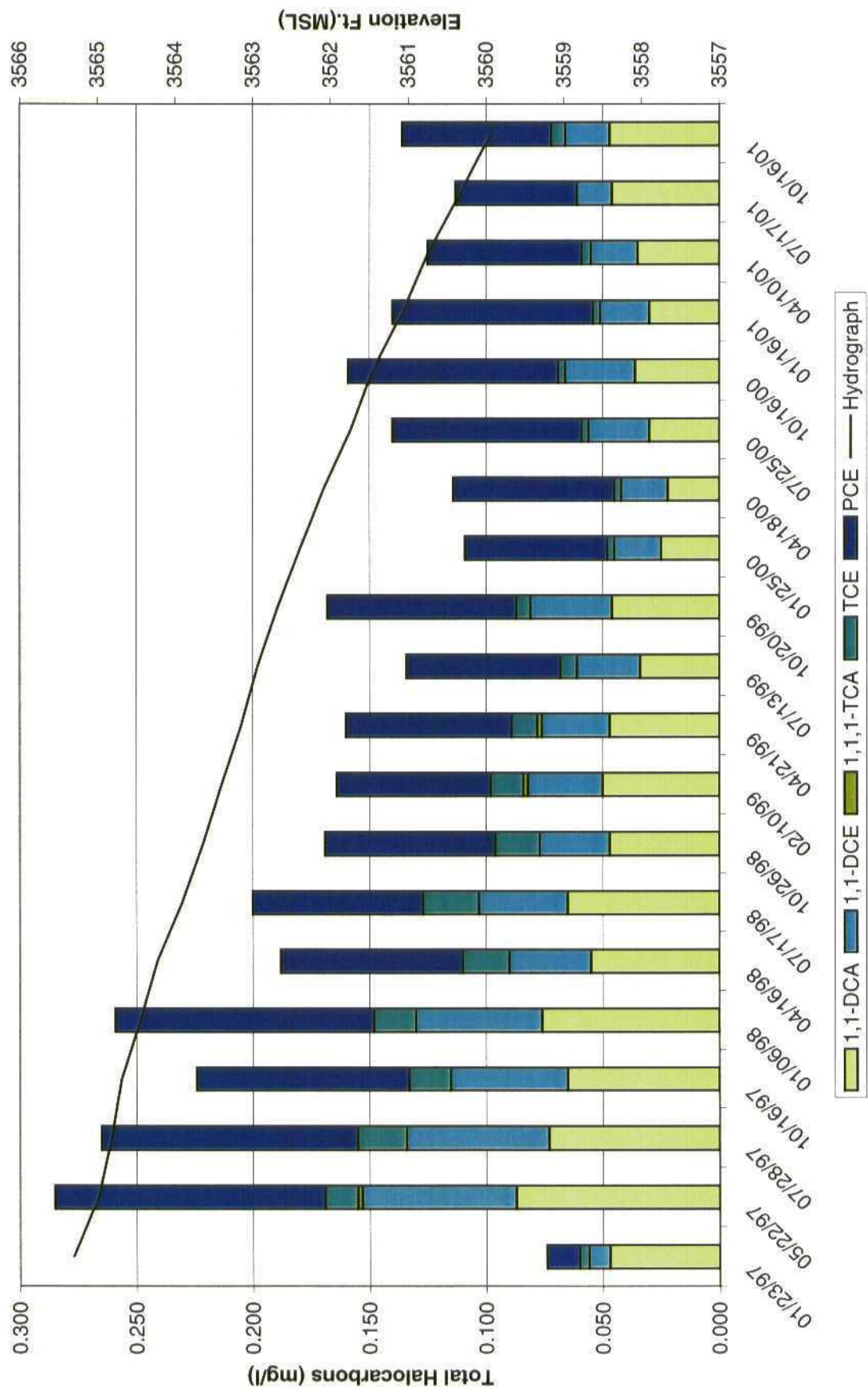
Monitoring Well MW-5



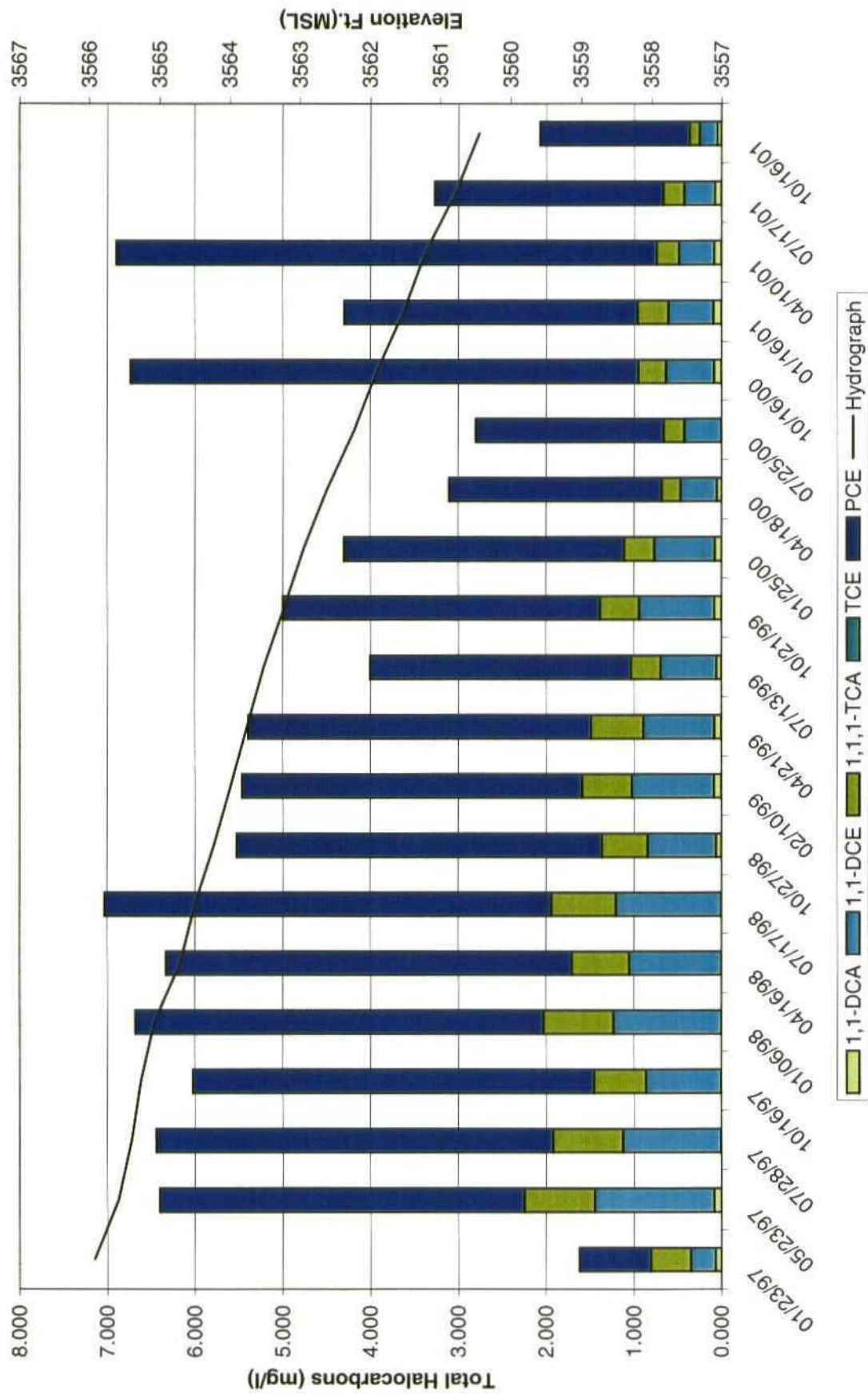
Monitoring Well MW-6



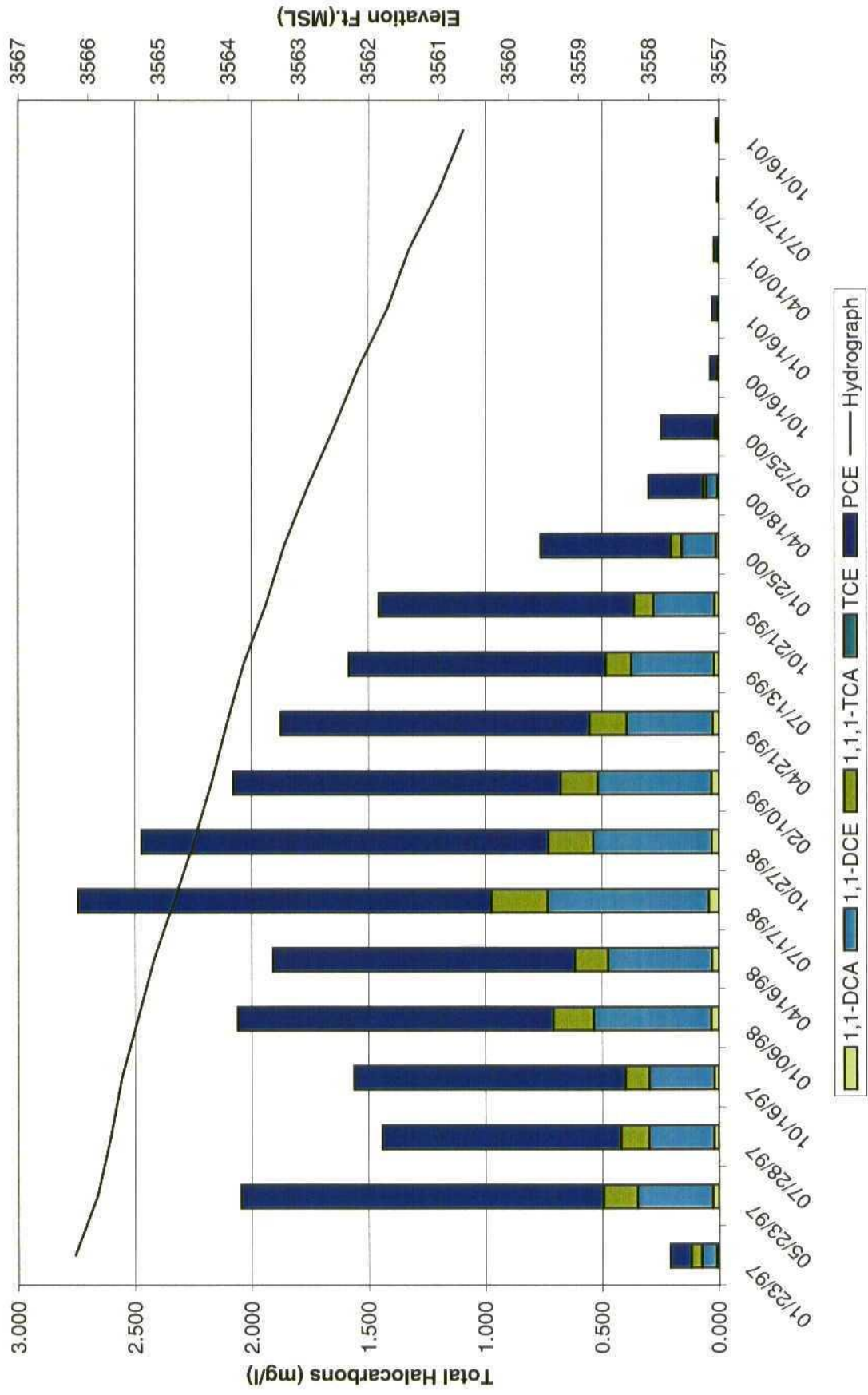
Monitoring Well MW-7



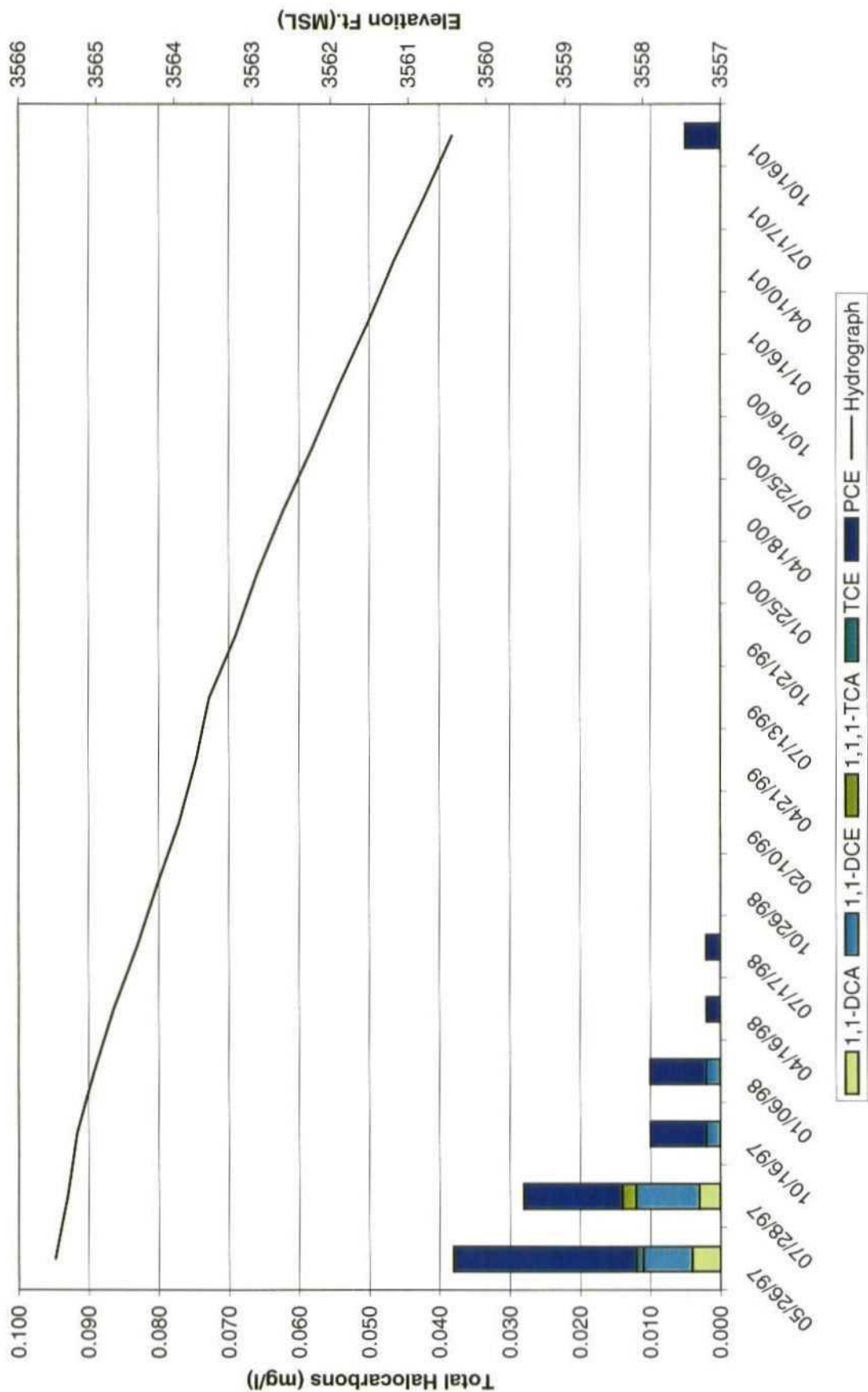
Monitoring Well MW-8



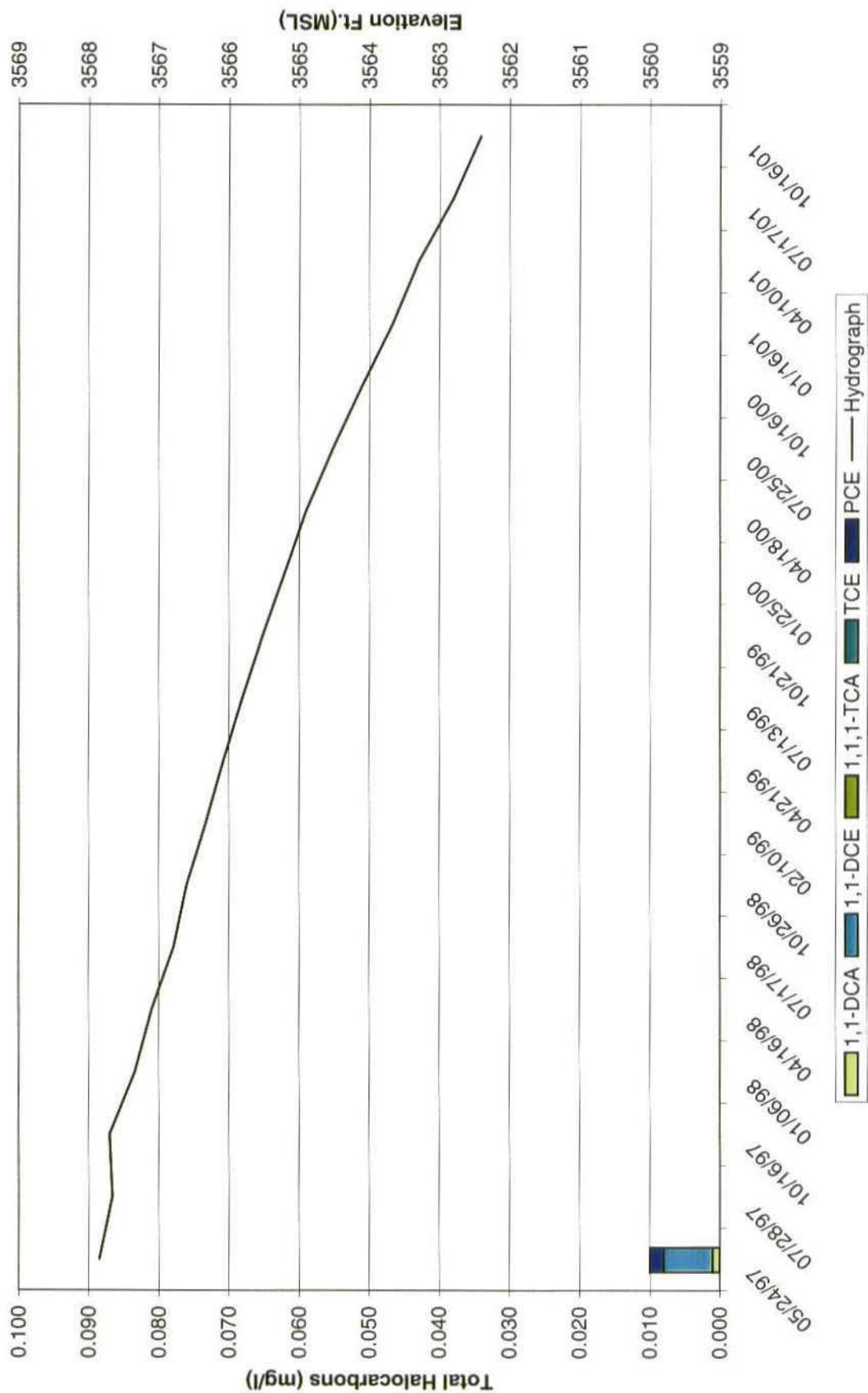
Monitoring Well MW-9



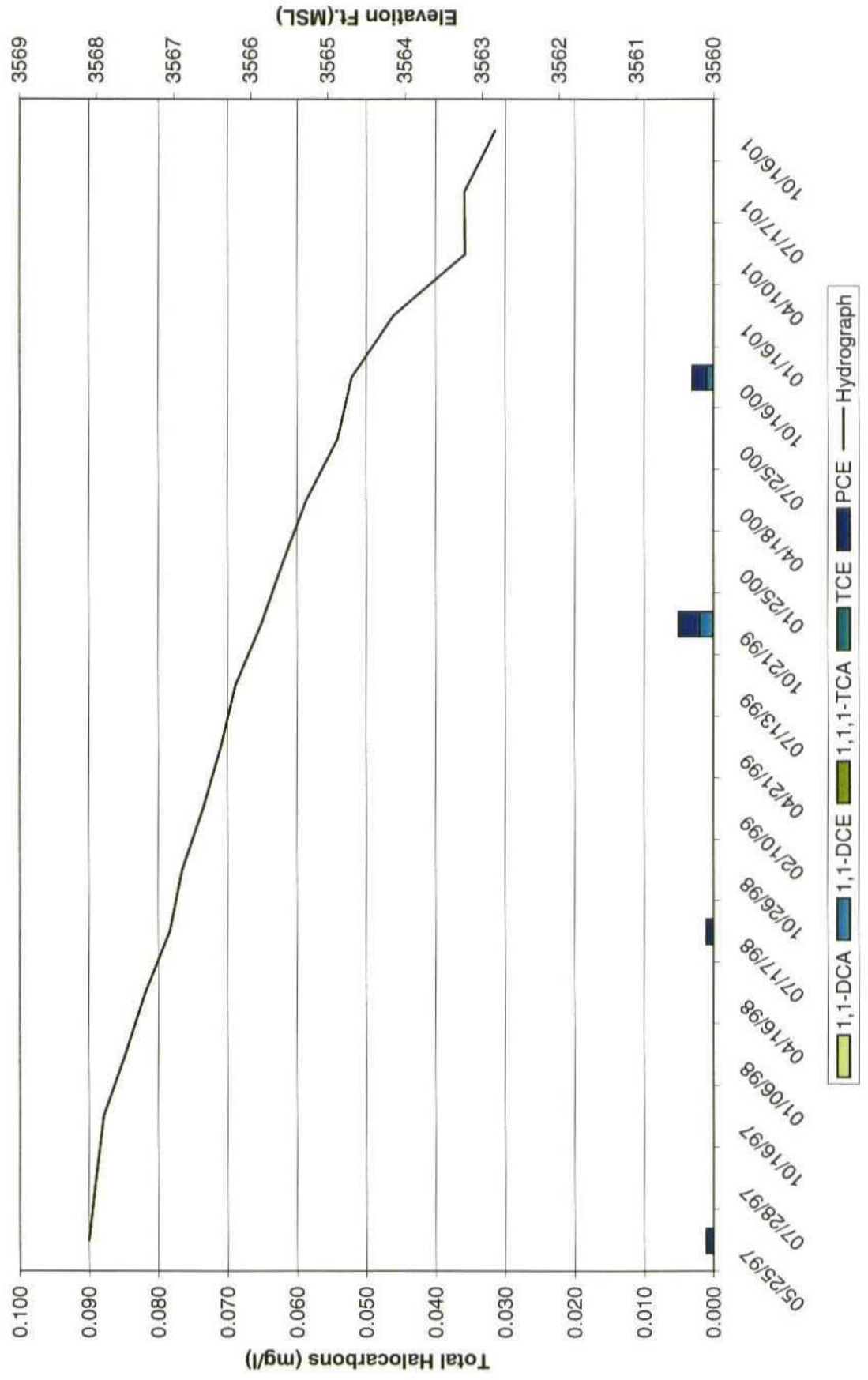
Monitoring Well MW-10



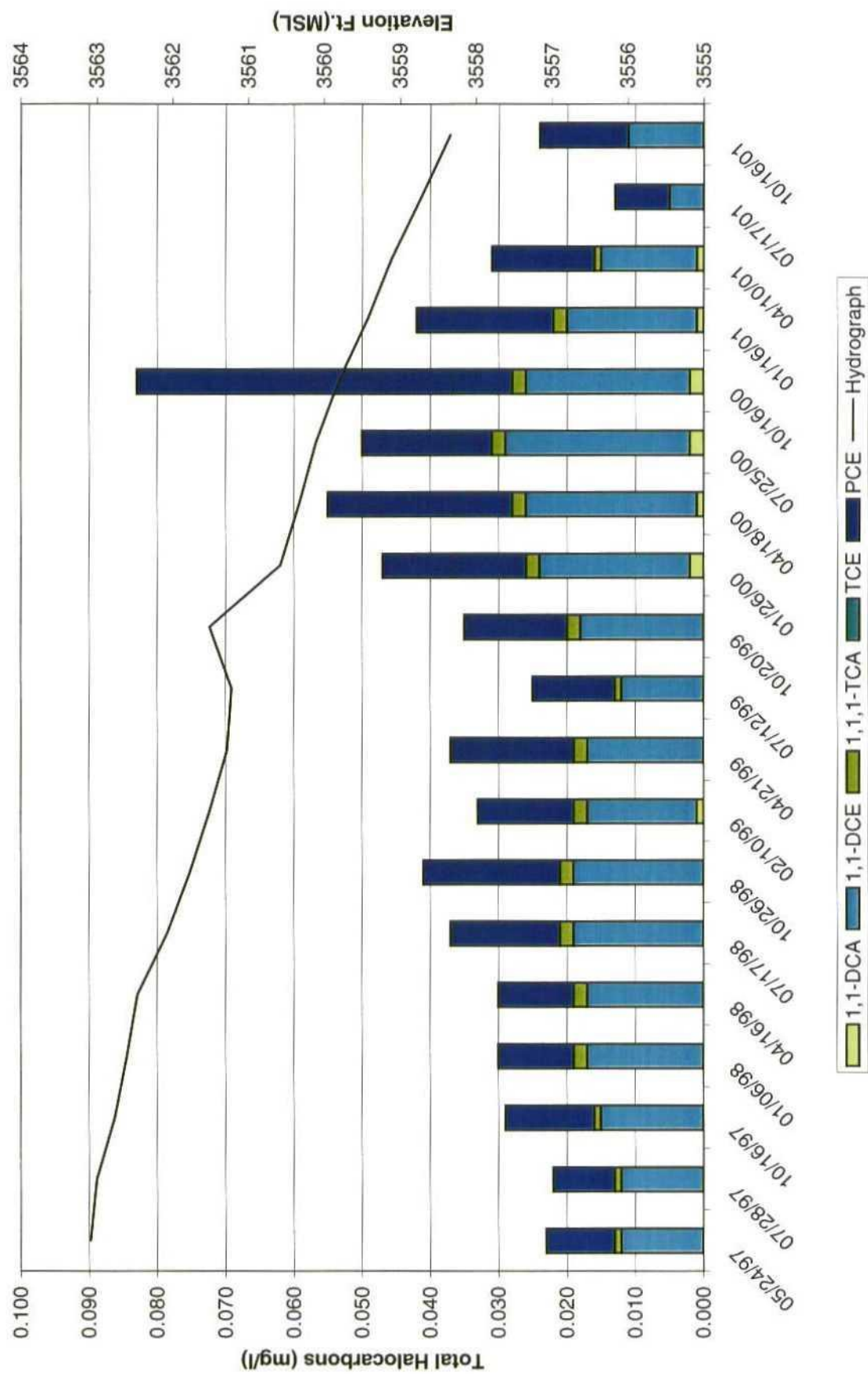
Monitoring Well MW-11



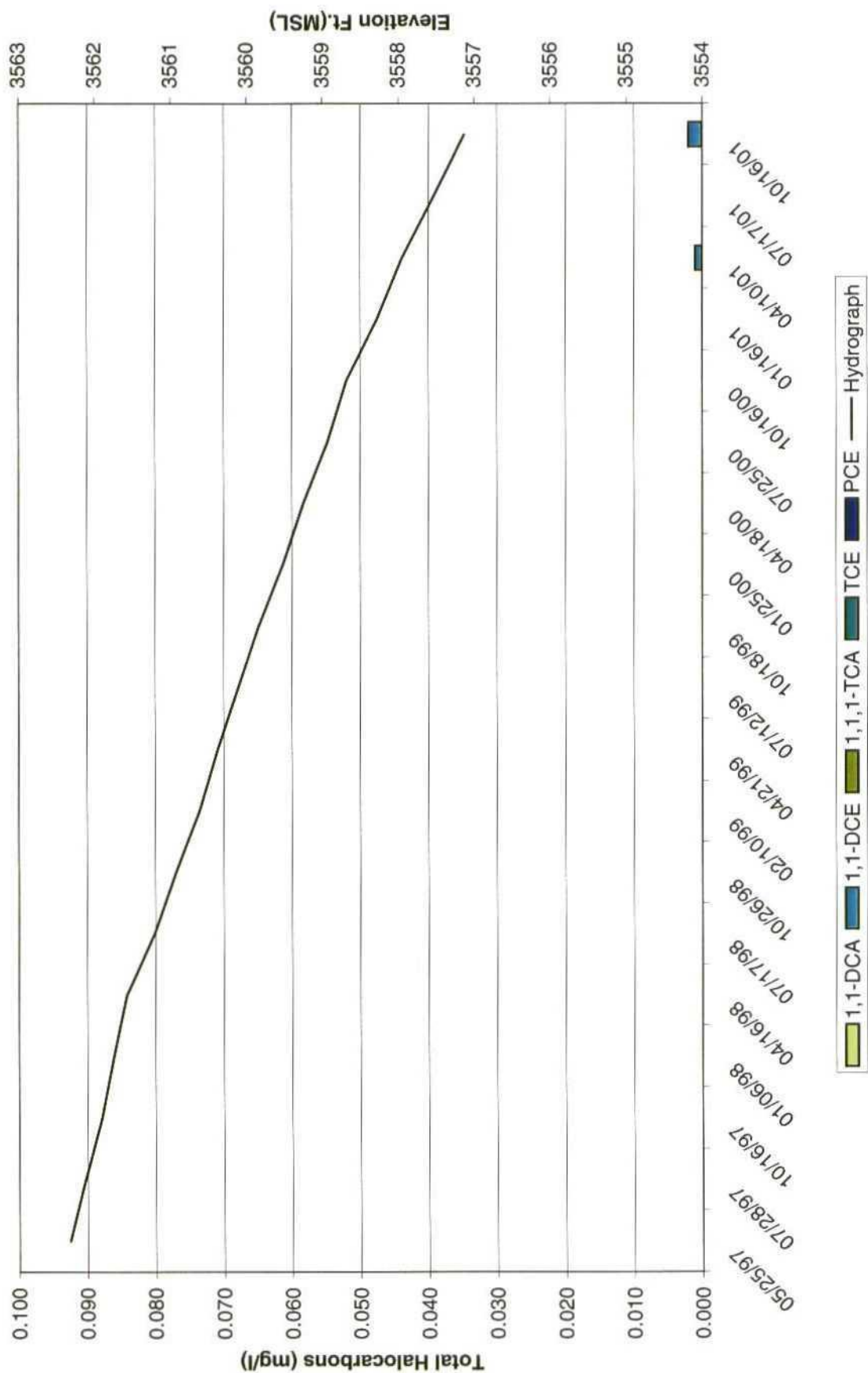
Monitoring Well MW-12



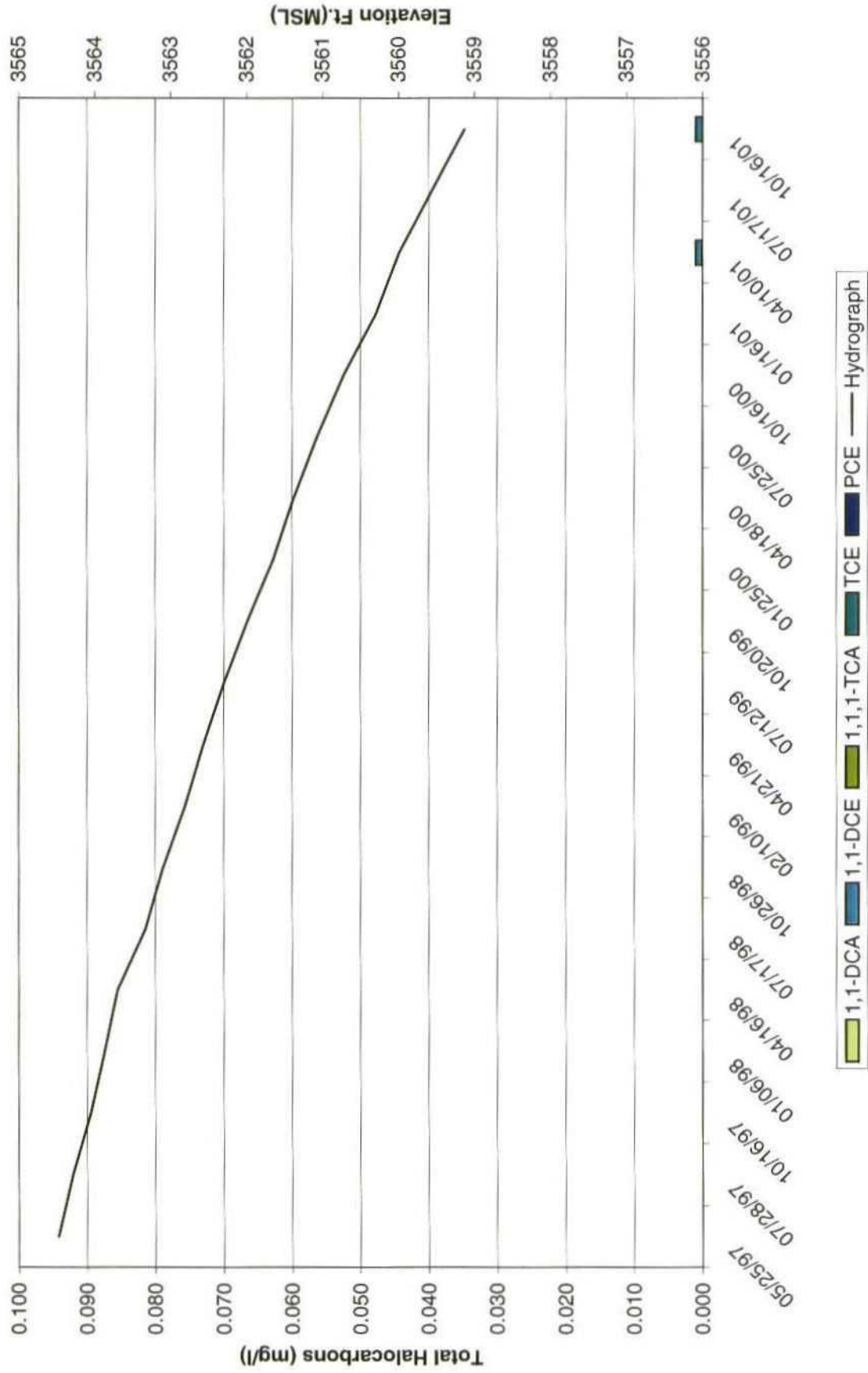
Monitoring Well MW-13



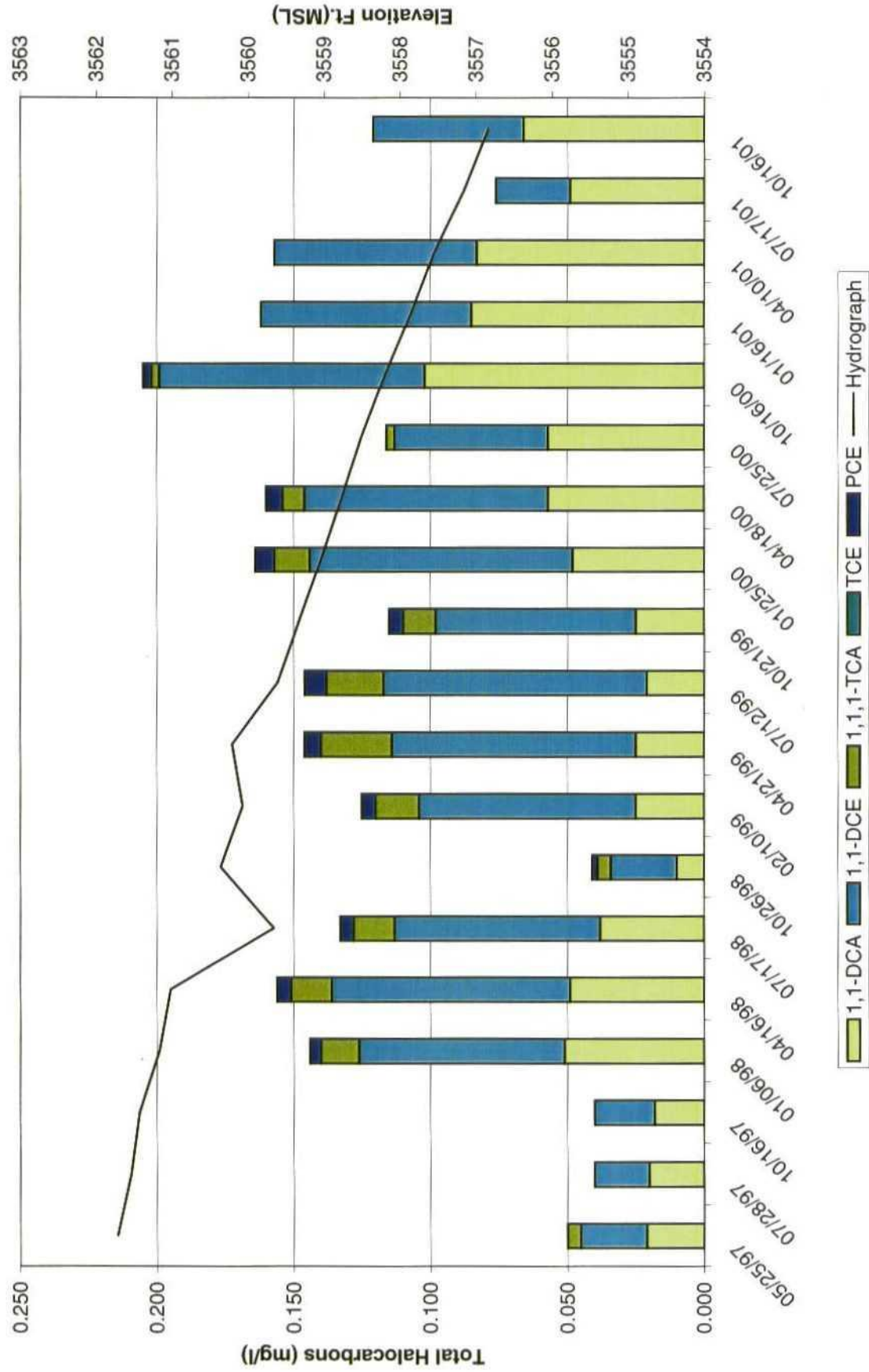
Monitoring Well MW-14



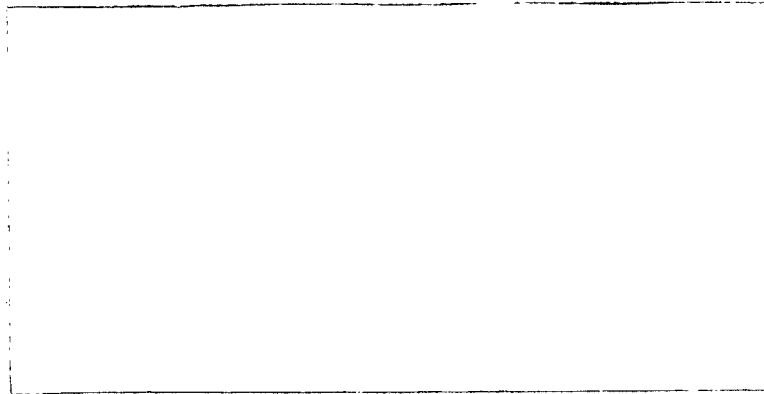
Monitoring Well MW-15



Monitoring Well MW-SO4



GW-013



Western
Water
Consultants, Inc.  Engineering

Engineering Environmental Mining Water Resources

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**2000 ANNUAL REPORT
SCHLUMBERGER OILFIELD SERVICES
HOBBS, NEW MEXICO**

March 9, 2001

Prepared For:

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

Prepared By:



A DIVISION OF WESTERN WATER CONSULTANTS, INC.

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Environmental Oversight, Inc.

GW-073

April 9, 2001

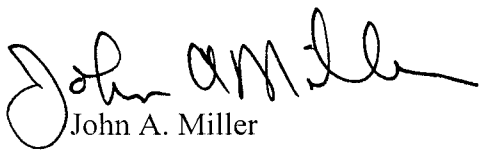
Mr. Jack Ford
Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

RE: 2000 Annual Report for the Schlumberger Oilfield Services (Dowell) Facility in Hobbs,
New Mexico

Dear Mr. Ford:

On behalf of Schlumberger Oilfield Services (Dowell), enclosed are two copies of the 2000 Annual Report for the facility in Hobbs, New Mexico. The results of the fourth quarter ground-water monitoring event for 2000 is included in the annual report. If you have any questions concerning the results please feel free to contact me at (281) 285-8498.

Sincerely,



John A. Miller

JM:

cc: Western Water Consultants, Inc.

14019 S.W. Freeway, Suite 301, PMB187
Sugar Land, Texas 77478
281-285-8498
jamiller@slb.com

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- 5 – SVE Operation Timeline (01/01/00 thru 06/30/00)
- 6 – SVE Operation Timeline (07/01/00 thru 12/31/00)

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- A – Laboratory Analytical Reports
- B – Halocarbons Vs. Water Levels
- C – Air Emissions Plots

1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents monitoring and remedial activities performed in 2000 at the Schlumberger Oilfield Services Facility in Hobbs, New Mexico (Figures 1 and 2). Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2000 consisted of air and ground-water monitoring, and routine remediation system operation and maintenance. The following sections provide an overview of the field work performed, discussion of the data, and recommendations for 2001.

2.0 GROUND-WATER MONITORING

2.0 GROUND-WATER MONITORING

Ground-water monitoring was performed quarterly in 2000 by WWC personnel. The fourth quarter monitoring event was performed October 16, 2000. Results of the previous sampling events for 2000 were presented in reports to the New Mexico Oil and Conservation Division (NMOCD) dated May 3, 2000; June 2, 2000; and December 1, 2000.

2.1 Static Water Level

Static water levels were measured quarterly in 2000 using an oil/water interface probe. The probe was decontaminated between wells with Simple Green and a distilled water rinse. Fourth quarter water level measurements are presented in Table 1, along with historic water level data for comparison. Free product has never been detected at this site.

A map of the potentiometric surface generated from the fourth quarter water level elevations is presented as Figure 3. The ground-water flow direction continues to flow to the northeast with a hydraulic gradient of 0.006 consistent with earlier determinations of ground-water flow. Ground-water elevations decreased an average of approximately 1.2 feet over the past year.

2.2 Ground-water Sampling

Ground-water samples were collected from monitoring wells MW-2, 4, 6, 7, 8, 9, 13, 14, 15, and the Shell Station monitoring well (MW-4) the first three quarters in 2000. During the fourth quarter monitoring event, ground-water samples were collected from all monitoring wells. Three well volumes of ground-water were purged from each well using a Redi-flow submersible pump. The submersible pump was decontaminated with a Simple Green solution and clean water rinse between wells. Purge water was placed into two galvanized steel stock tanks on site and allowed to evaporate.

Ground-water samples were collected using disposable polyethylene bailers and analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event duplicate samples were collected from MW-6 and MW-9. The analytical results for the fourth quarter monitoring event are provided in Table 2 along with historical data for comparison. Laboratory analytical reports for the fourth quarter monitoring event are presented as Appendix A.

***3.0 SOIL VAPOR EXTRACTION
SYSTEM MONITORING***

3.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

Air samples were collected quarterly from the three soil vapor extraction (SVE) systems in 2000 and analyzed for volatile organics by EPA Methods 8260. Results of the air quality monitoring are provided on Table 3 along with historical data for comparison. Laboratory data reports are presented as Appendix A.

4.0 DISCUSSION

4.0 DISCUSSION

Constituents detected in the ground-water at the Hobbs facility are declining or appear to have stabilized in each monitoring well. Concentrations of aromatic hydrocarbon have declined to the extent that ground-water at monitoring well MW-5 is the only location with BTEX constituents above the maximum contaminant levels (MCL) for the year and it was below MCLs for the fourth quarter. BTEX constituents in the area of the former wastewater collection pond were not detected in the ground-water at MW-2 during 2000.

As shown on Table 2, halocarbons remain consistent with historic trends in most monitoring wells. Halocarbon concentrations have shown a decline in the ground-water at monitoring wells MW-2, MW-4, MW-5, MW-6, and MW-9. Low concentrations of halocarbons continue to be detected in MW-12 and MW-13 upgradient and cross-gradient of the facility. Plots were constructed for static water level versus various halocarbon concentrations to illustrate the declines and/or stabilization of constituents at individual wells (Appendix B). An isoconcentration map for total halocarbons (Figure 4) was constructed with the fourth quarter water quality data. As shown the highest concentrations remain in the area of MW-8 consistent with previous distribution patterns.

SVE systems at the Hobbs facility have run essentially 100 percent of the time during 2000 as shown on Figures 5 and 6. Plots depicting SVE air emissions of total halocarbons are provided as Appendix C. Air quality monitoring indicates both BTEX and halocarbon constituents continue to be removed in the former wastewater collection area. As shown on Table 3, total concentrations have declined from high levels of 425.8 parts per million (ppm) BTEX and 680.7 ppm halocarbons in 1995 to 82.4 ppm BTEX and 24.9 ppm halocarbons in 2000. The decline of these constituents in air samples and in the water quality monitoring at MW-2 indicates the area is being successfully remediated.

BTEX constituents detected in air samples from the former UST area remain at nondetect levels, while halocarbons have declined from a high level of 1379.58 ppm in 1995 to 29.4 in 2000 (Table 3). As shown on Table 2, halocarbons in MW-4 have declined from a high level of 5.9 ppm in 1996 to a low of 0.191 ppm in 2000. In the downgradient well MW-9, halocarbons have declined from greater than 2 ppm in 1997 and 1998, to 0.036 ppm in October 2000. Continued SVE and air

sparging of the soil and water should facilitate further declines of halocarbon constituents in the ground-water at this area.

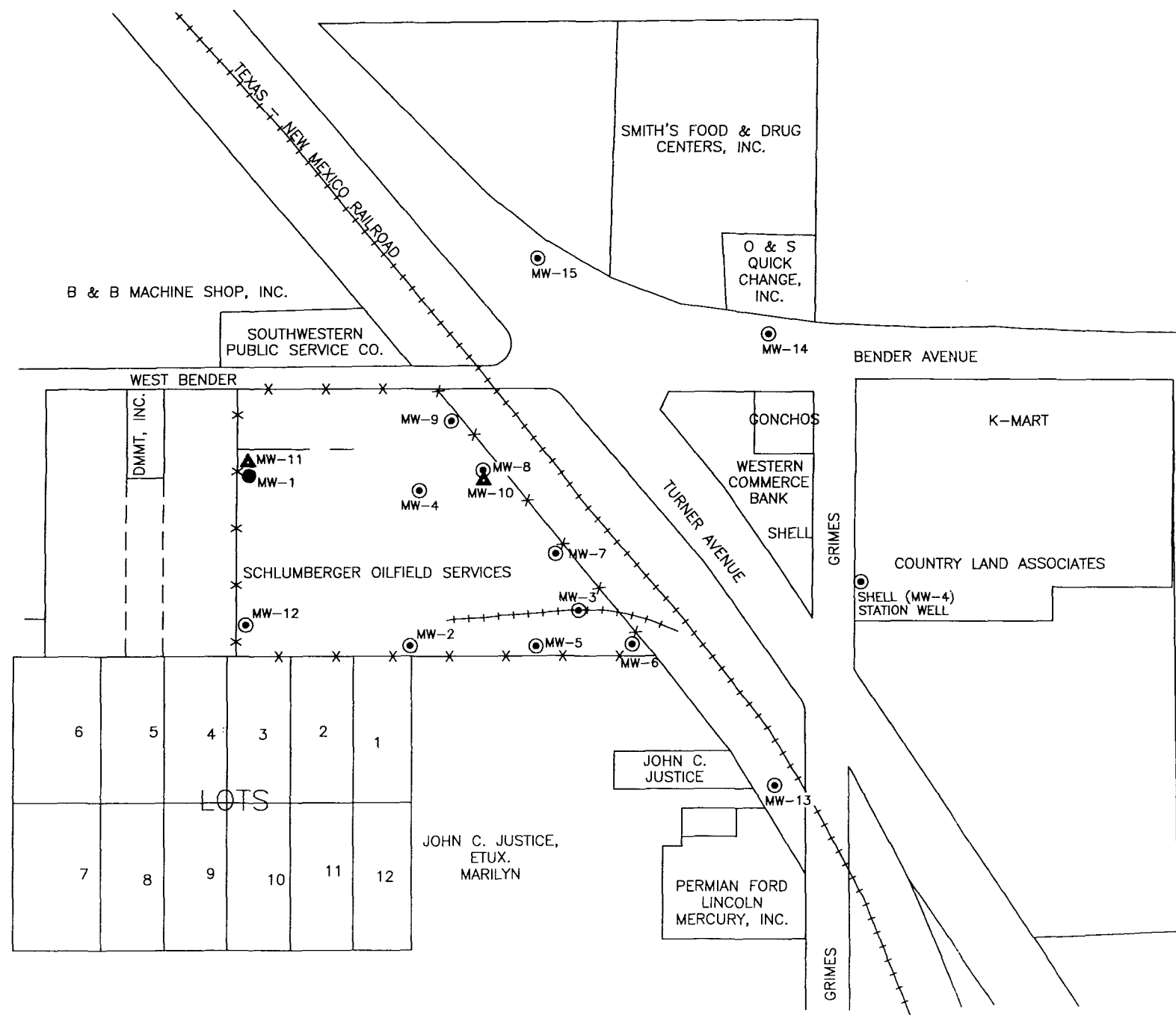
Air samples collected from the acid plant SVE system were nondetect for both BTEX and halocarbon constituents in 2000. However constituents detected in the ground-water at monitoring wells MW-3, MW-5, MW-6, and MW-7 have either declined or remained relatively stable.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

As mentioned previously, hydrocarbons remain essentially undetected in the ground-water at monitoring wells MW-14 and MW-15. Hydrocarbons and chlorocarbons have been declining in the former wastewater collection area and have either declined or stabilized in the former UST and acid plant areas. Dowell recommends that the ground-water monitoring schedule remain unchanged with regard to monitoring wells MW-3, MW-5, MW-10, MW-11, and MW-12 to be sampled only during the fourth quarter. Static water levels are proposed to be collected from all monitoring wells on a quarterly basis.

FIGURES



EXPLANATION

- MW-4 ● SHALLOW MONITORING WELL LOCATION AND IDENTIFICATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION

NOTE:

WELLS MW-3, MW-5, MW-10, MW-11, AND MW-12 SAMPLED DURING FOURTH QUARTER ONLY.

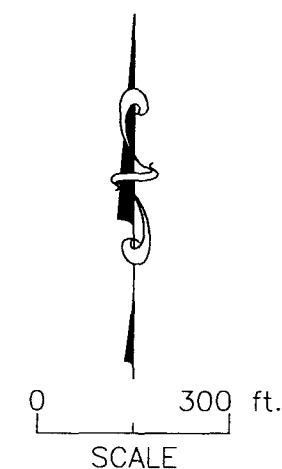
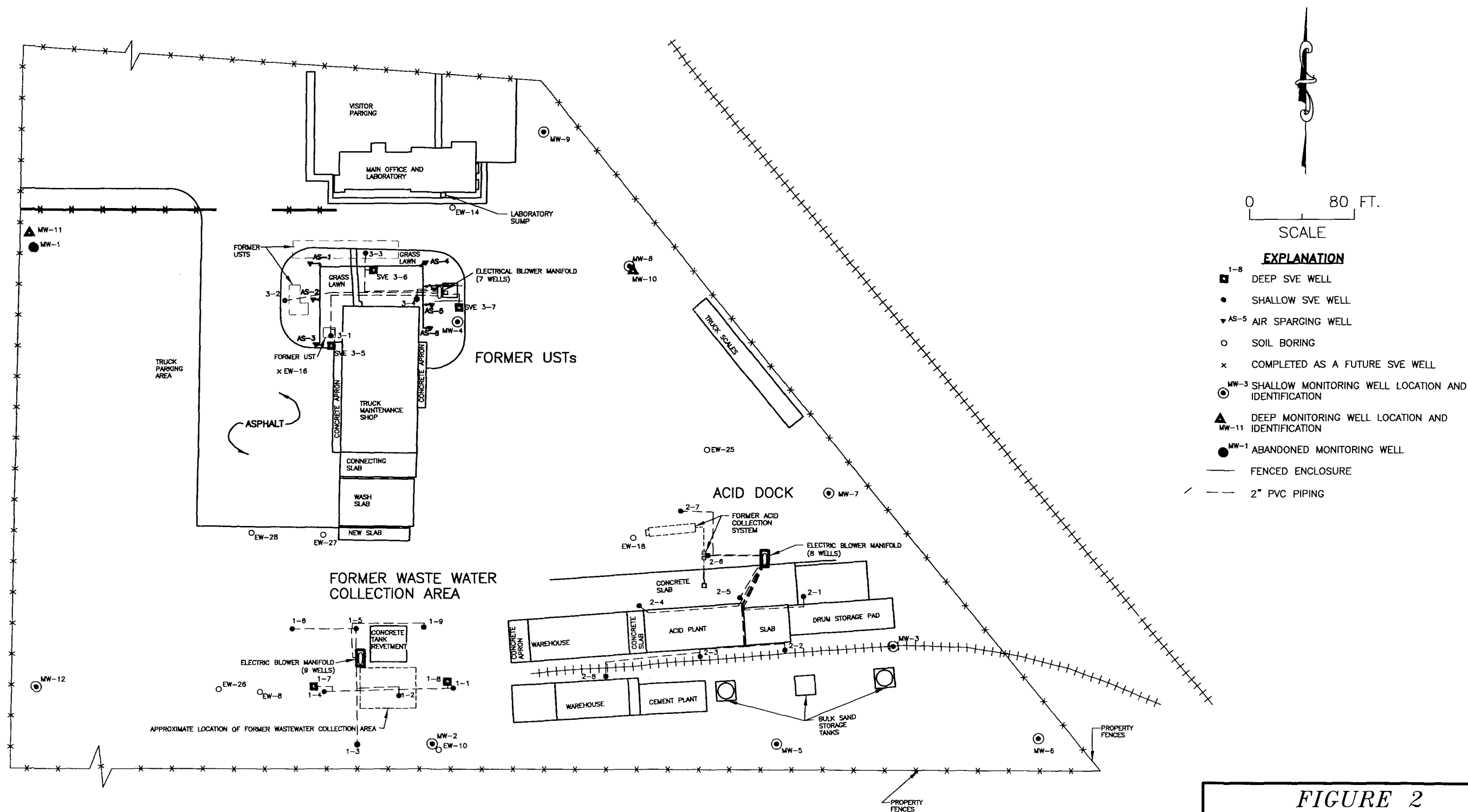
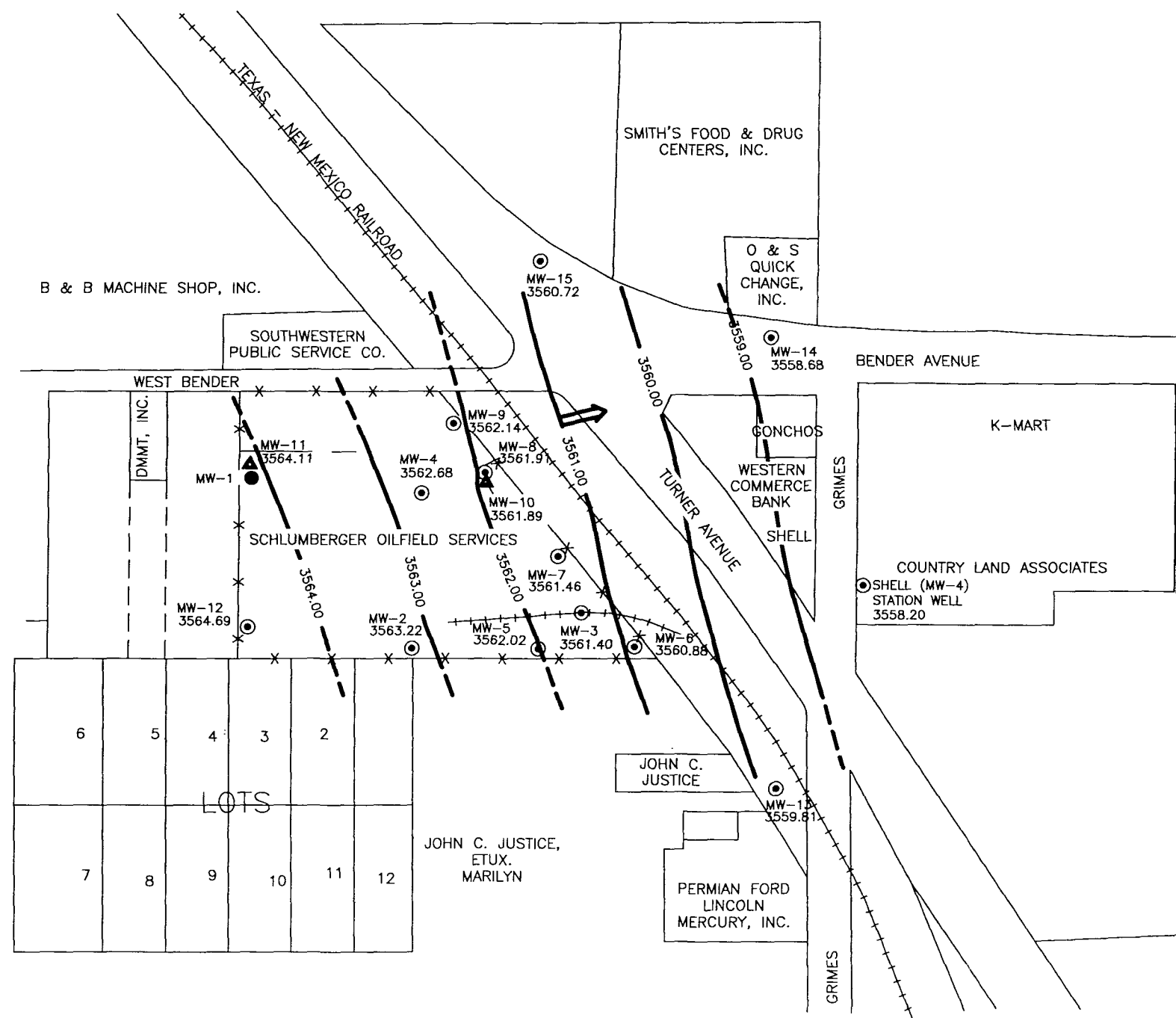


FIGURE 1
SITE MAP AND
MONITORING WELL LOCATIONS

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WwC Engineering
Civil Environmental Mining Water Resources





EXPLANATION

- MW-14 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE ELEVATION
- 3563.00 ————— POTENTIOMETRIC SURFACE CONTOURS AND ELEVATION (DASHED WHERE INFERRED)
- ⇐ GROUND-WATER FLOW DIRECTION

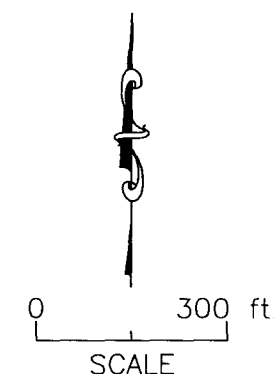
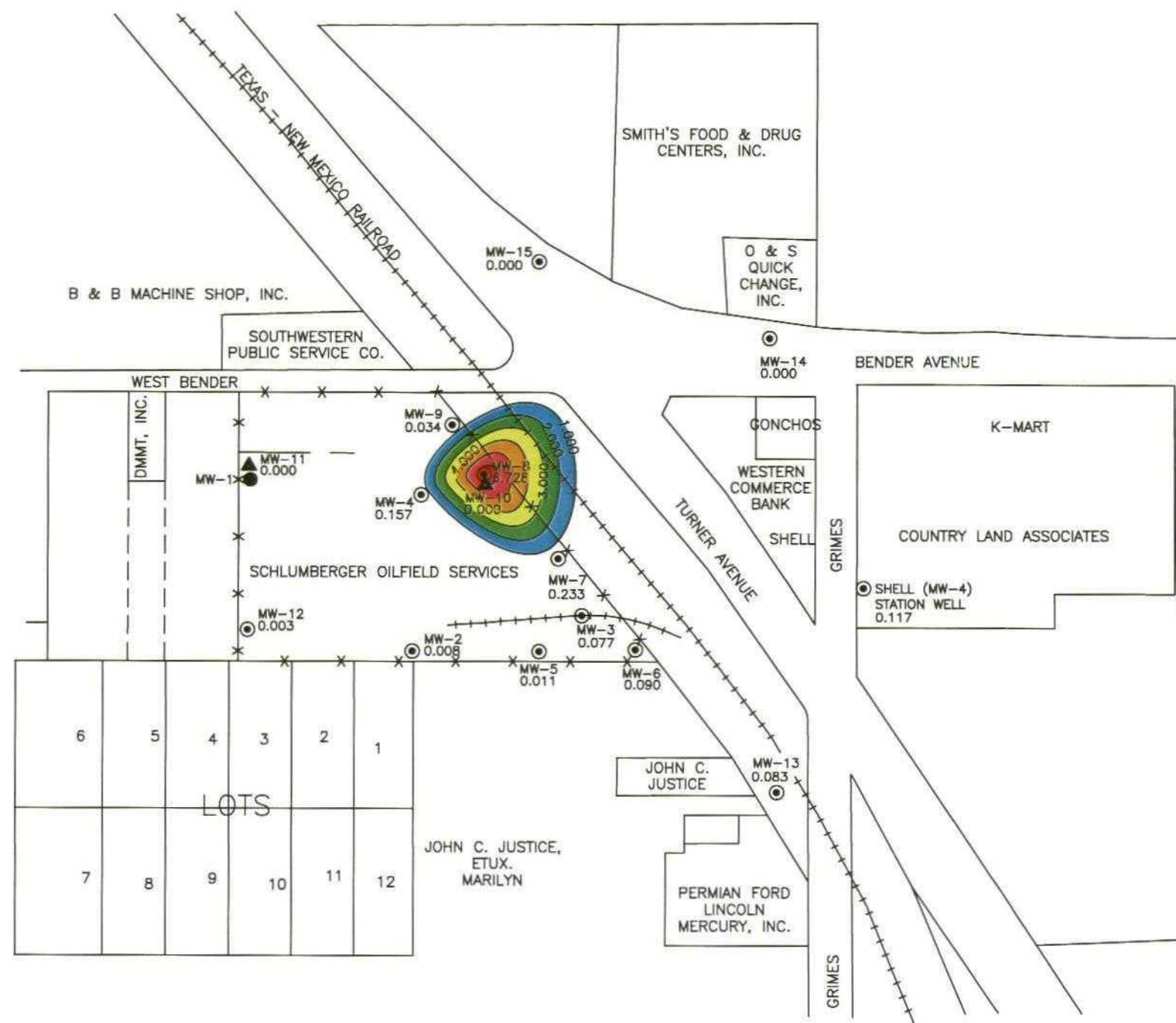


FIGURE 3
POTENTIOMETRIC SURFACE MAP
(10/16/00)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

WwC Engineering
Civil Environmental Mining Water Resources



EXPLANATION

- MW-8 3.500 ● SHALLOW MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- MW-1 ● ABANDONED MONITORING WELL
- MW-11 NS ▲ DEEP MONITORING WELL LOCATION, IDENTIFICATION AND TOTAL HALOCARBONS CONCENTRATIONS
- 1.00 TOTAL HALOCARBONS CONTOURS
- NS NOT SAMPLED

TOTAL HALOCARBONS CONCENTRATIONS (mg/L)

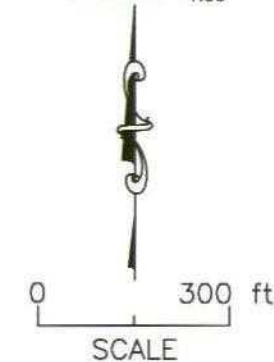
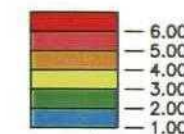
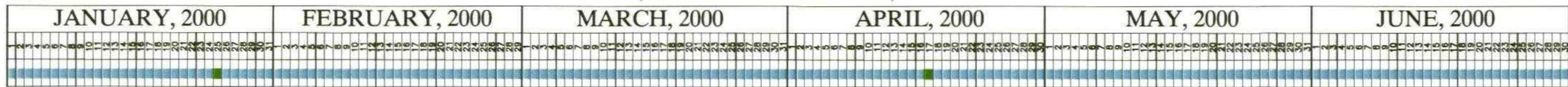


FIGURE 4
TOTAL HALOCARBONS
CONCENTRATION MAP
(10/16/00)

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

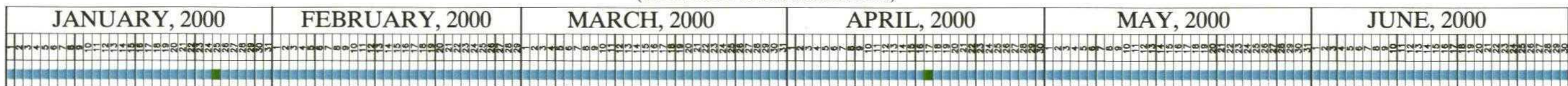
FORMER WASTE WATER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



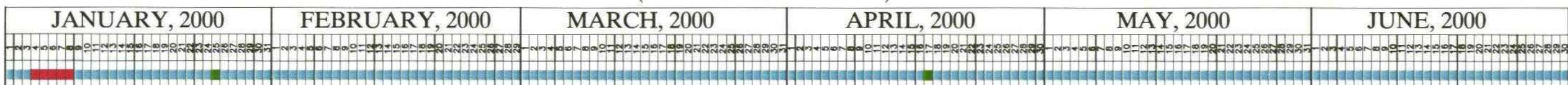
ACID DOCK, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER USTs, UNIT 3

(OPERATION PERCENTAGE 97%)



EXPLANATION

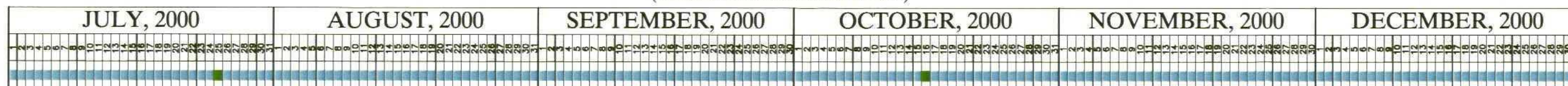
- UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
- UNIT IS NOT OPERATING
- AIR SAMPLES COLLECTED

FIGURE 5
SVE OPERATION TIMELINE
01/01/00 THRU 6/30/00

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

FORMER LAGOON, UNIT 1

(OPERATION PERCENTAGE 100%)



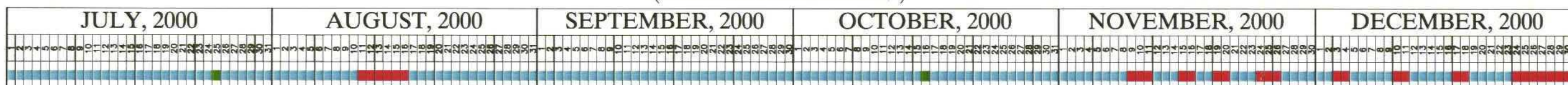
ACID PLANT, UNIT 2

(OPERATION PERCENTAGE 100%)



FORMER UST, UNIT 3

(OPERATION PERCENTAGE 84%)



EXPLANATION

-  UNIT IS RUNNING EXCEPT FOR BRIEF SHUTDOWNS FOR ROUTINE MAINTENANCE
-  UNIT IS NOT OPERATING
-  AIR SAMPLES COLLECTED

FIGURE 6
SVE OPERATION TIMELINE
07/01/00 THRU 12/31/00

SCHLUMBERGER OILFIELD SERVICES
HOBBS, NM

TABLES

**Table 1 - Static Water Level Elevations for the Schlumberger Oilfield Services Facility,
Hobbs, New Mexico**

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-2	3637.26	10/25/96	85	70.03	3567.23	
		11/21/96		70.03	3567.23	0.00
		01/22/97		70.26	3567.00	-0.23
		05/21/97		70.53	3566.73	-0.27
		07/28/97		70.69	3566.57	-0.16
		10/15/97		70.80	3566.46	-0.11
		01/05/98		71.05	3566.21	-0.25
		04/16/98		71.27	3565.99	-0.22
		07/16/98		71.61	3565.65	-0.34
		10/25/98		71.84	3565.42	-0.23
		02/10/99		72.02	3565.24	-0.18
		04/21/99		72.25	3565.01	-0.23
		07/13/99		72.50	3564.76	-0.25
		10/21/99		72.76	3564.50	-0.26
		01/25/00		72.92	3564.34	-0.16
		04/17/00		73.35	3563.91	-0.43
		07/25/00		73.71	3563.55	-0.36
		10/16/00		74.04	3563.22	-0.33
MW-3	3638.28	10/25/96	85	72.88	3565.40	
		11/21/96		72.89	3565.39	-0.01
		01/22/97		73.10	3565.18	-0.21
		05/21/97		73.40	3564.88	-0.30
		07/28/97		73.54	3564.74	-0.14
		10/15/97		73.67	3564.61	-0.13
		01/05/98		73.92	3564.36	-0.25
		04/16/98		74.13	3564.15	-0.21
		07/16/98		74.46	3563.82	-0.33
		10/25/98		74.74	3563.54	-0.28
		02/10/99		75.00	3563.28	-0.26
		04/21/99		75.21	3563.07	-0.21
		07/13/99		75.50	3562.78	-0.29
		10/20/99		75.67	3562.61	-0.17
		01/25/00		75.95	3562.33	-0.28
		04/17/00		76.26	3562.02	-0.31
		07/25/00		76.57	3561.71	-0.31
		10/16/00		76.88	3561.40	-0.31
MW-4	3639.20	10/25/96	85	72.41	3566.79	
		11/21/96		72.37	3566.83	0.04
		01/22/97		72.60	3566.60	-0.23
		05/21/97		72.87	3566.33	-0.27
		07/28/97		72.93	3566.27	-0.06
		10/15/97		73.03	3566.17	-0.10
		01/05/98		73.24	3565.96	-0.21
		04/16/98		73.67	3565.53	-0.43
		07/16/98		73.68	3565.52	-0.01
		10/25/98		74.21	3564.99	-0.53
		02/10/99		74.32	3564.88	-0.11

Table 1 - Static Water Level Elevations for the Schlumberger Oilfield Services Facility,
Hobbs, New Mexico

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-4 (Cont.)		04/21/99		74.58	3564.62	-0.26
		07/13/99		74.87	3564.33	-0.29
		10/21/99		75.08	3564.12	-0.21
		01/25/00		75.31	3563.89	-0.23
		04/17/00		75.75	3563.45	-0.44
		07/25/00		76.25	3562.95	-0.50
		10/16/00		76.52	3562.68	-0.27
MW-5	3637.70	01/22/97	85	71.90	3565.80	
		05/21/97		72.21	3565.49	-0.31
		07/28/97		72.36	3565.34	-0.15
		10/15/97		72.44	3565.26	-0.08
		01/05/98		72.71	3564.99	-0.27
		04/16/98		72.92	3564.78	-0.21
		07/16/98		73.25	3564.45	-0.33
		10/25/98		73.53	3564.17	-0.28
		02/10/99		73.77	3563.93	-0.24
		04/21/99		73.98	3563.72	-0.21
		07/13/99		74.15	3563.55	-0.17
		10/20/99		74.46	3563.24	-0.31
		01/25/00		74.72	3562.98	-0.26
		04/17/00		75.03	3562.67	-0.31
		07/25/00		75.35	3562.35	-0.32
		10/16/00		75.68	3562.02	-0.33
MW-6	3637.52	01/22/97	85	72.88	3564.64	
		05/21/97		73.22	3564.30	-0.34
		07/28/97		73.44	3564.08	-0.22
		10/15/97		73.48	3564.04	-0.04
		01/05/98		73.72	3563.80	-0.24
		04/16/98		73.94	3563.58	-0.22
		07/16/98		74.26	3563.26	-0.32
		10/25/98		74.55	3562.97	-0.29
		02/10/99		74.78	3562.74	-0.23
		04/21/99		75.04	3562.48	-0.26
		07/13/99		75.22	3562.30	-0.18
		10/20/99		75.46	3562.06	-0.24
		01/25/00		75.80	3561.72	-0.34
		04/17/00		76.06	3561.46	-0.26
		07/25/00		76.36	3561.16	-0.30
		10/16/00		76.64	3560.88	-0.28
MW-7	3638.62	01/22/97	85	73.31	3565.31	
		05/21/97		73.63	3564.99	-0.32
		07/28/97		73.80	3564.82	-0.17
		10/15/97		73.93	3564.69	-0.13
		01/05/98		74.17	3564.45	-0.24
		04/16/98		74.39	3564.23	-0.22
		07/16/98		74.71	3563.91	-0.32
		10/25/98		74.98	3563.64	-0.27
		02/10/99		75.22	3563.40	-0.24
		04/21/99		75.47	3563.15	-0.25
		07/13/99		75.68	3562.94	-0.21
		10/20/99		75.94	3562.68	-0.26
		01/25/00		76.23	3562.39	-0.29

Table 1 - Static Water Level Elevations for the Schlumberger Oilfield Services Facility,
Hobbs, New Mexico

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-7 (Cont.)		04/17/00		76.53	3562.09	-0.30
		07/25/00		76.88	3561.74	-0.35
		10/16/00		77.16	3561.46	-0.28
MW-8	3638.71	01/22/97	85	72.78	3565.93	
		05/21/97		73.12	3565.59	-0.34
		07/28/97		73.31	3565.40	-0.19
		10/15/97		73.44	3565.27	-0.13
		01/05/98		73.63	3565.08	-0.19
		04/16/98		74.00	3564.71	-0.37
		07/16/98		74.21	3564.50	-0.21
		10/25/98		74.48	3564.23	-0.27
		02/10/99		74.72	3563.99	-0.24
		04/21/99		74.95	3563.76	-0.23
		07/13/99		75.19	3563.52	-0.24
		10/21/99		75.48	3563.23	-0.29
		01/25/00		75.76	3562.95	-0.28
		04/17/00		76.09	3562.62	-0.33
		07/25/00		76.48	3562.23	-0.39
		10/16/00		76.8	3561.91	-0.32
MW-9	3638.76	01/22/97	85	72.57	3566.19	
		05/21/97		72.89	3565.87	-0.32
		07/28/97		73.08	3565.68	-0.19
		10/15/97		73.24	3565.52	-0.16
		01/05/98		73.47	3565.29	-0.23
		04/16/98		73.70	3565.06	-0.23
		07/16/98		73.99	3564.77	-0.29
		10/25/98		74.27	3564.49	-0.28
		02/10/99		74.52	3564.24	-0.25
		04/21/99		74.74	3564.02	-0.22
		07/13/99		74.98	3563.78	-0.24
		10/21/99		75.30	3563.46	-0.32
		01/25/00		75.56	3563.20	-0.26
		04/17/00		75.90	3562.86	-0.34
		07/25/00		76.27	3562.49	-0.37
		10/16/00		76.62	3562.14	-0.35
MW-10	3638.86	05/27/97	130.5	73.33	3565.53	
		07/28/97		73.49	3565.37	-0.16
		10/15/97		73.61	3565.25	-0.12
		01/05/98		73.83	3565.03	-0.22
		04/16/98		74.08	3564.78	-0.25
		07/16/98		74.38	3564.48	-0.30
		10/25/98		74.64	3564.22	-0.26
		02/10/99		74.92	3563.94	-0.28
		04/21/99		75.14	3563.72	-0.22
		07/13/99		75.31	3563.55	-0.17
		10/18/99		75.65	3563.21	-0.34
		01/25/00		75.93	3562.93	-0.28
		04/17/00		76.26	3562.60	-0.33
		07/25/00		76.63	3562.23	-0.37
		10/16/00		76.97	3561.89	-0.34

**Table 1 - Static Water Level Elevations for the Schlumberger Oilfield Services Facility,
Hobbs, New Mexico**

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
MW-11	3638.55	05/26/97	208	70.70	3567.85	
		07/28/97		70.89	3567.66	-0.19
		10/15/97		70.85	3567.70	0.04
		01/05/98		71.21	3567.34	-0.36
		04/16/98		71.45	3567.10	-0.24
		07/16/98		71.76	3566.79	-0.31
		10/25/98		71.95	3566.60	-0.19
		02/10/99		72.22	3566.33	-0.27
		04/21/99		72.47	3566.08	-0.25
		07/13/99		72.74	3565.81	-0.27
		10/18/99		73.03	3565.52	-0.29
		01/25/00		73.34	3565.21	-0.31
		04/17/00		73.65	3564.90	-0.31
		07/25/00		74.03	3564.52	-0.38
		10/16/00		74.44	3564.11	-0.41
MW-12	3636.15	05/26/97	85	68.05	3568.10	
		07/28/97		68.14	3568.01	-0.09
		10/15/97		68.24	3567.91	-0.10
		01/05/98		68.52	3567.63	-0.28
		04/16/98		68.78	3567.37	-0.26
		07/16/98		69.10	3567.05	-0.32
		10/25/98		69.26	3566.89	-0.16
		02/10/99		69.53	3566.62	-0.27
		04/21/99		69.76	3566.39	-0.23
		07/13/99		69.95	3566.20	-0.19
		10/18/99		70.29	3565.86	-0.34
		01/25/00		70.57	3565.58	-0.28
		04/17/00		70.87	3565.28	-0.30
		07/25/00		71.28	3564.87	-0.41
		10/16/00		71.46	3564.69	-0.18
MW-13	3635.39	05/21/97	84	72.31	3563.08	
		07/28/97		72.39	3563.00	-0.08
		10/15/97		72.63	3562.76	-0.24
		01/05/98		72.79	3562.60	-0.16
		04/16/98		72.93	3562.46	-0.14
		07/16/98		73.32	3562.07	-0.39
		10/25/98		73.62	3561.77	-0.30
		02/10/99		73.88	3561.51	-0.26
		04/21/99		74.11	3561.28	-0.23
		07/12/99		74.17	3561.22	-0.06
	3634.76	10/20/99		73.88	3561.51	0.29
		01/26/00		74.18	3560.58	-0.93
		04/17/00		74.43	3560.33	-0.25
		07/25/00		74.65	3560.11	-0.22
		10/16/00		74.95	3559.81	-0.30
MW-14	3637.19	05/21/97	85	74.86	3562.33	
		07/28/97		75.06	3562.13	-0.20
		10/15/97		75.28	3561.91	-0.22
		01/05/98		75.44	3561.75	-0.16
		04/16/98		75.61	3561.58	-0.17
		07/16/98		75.98	3561.21	-0.37

**Table 1 - Static Water Level Elevations for the Schlumberger Oilfield Services Facility,
Hobbs, New Mexico**

Well Number	Top of Casing Elevations (ft)	Date Measured	Total Depth (ft)	Depth to Water (ft)	*Static Water Elevation (ft)	Difference From Prior Level (ft)
W-14 (Cont.)		10/25/98		76.26	3560.93	-0.28
		02/10/99		76.57	3560.62	-0.31
		04/21/99		76.81	3560.38	-0.24
		07/12/99		77.08	3560.11	-0.27
		10/20/99		77.35	3559.84	-0.27
		01/26/00		77.67	3559.52	-0.32
		04/17/00		77.94	3559.25	-0.27
		07/25/00		78.26	3558.93	-0.32
		10/16/00		78.51	3558.68	-0.25
MW-15	3636.57	05/21/97	85	72.09	3564.48	
		07/28/97		72.28	3564.29	-0.19
		10/15/97		72.52	3564.05	-0.24
		01/05/98		72.70	3563.87	-0.18
		04/16/98		72.87	3563.70	-0.17
		07/16/98		73.24	3563.33	-0.37
		10/25/98		73.47	3563.10	-0.23
		02/10/99		73.76	3562.81	-0.29
		04/21/99		74.00	3562.57	-0.24
		07/12/99		74.27	3562.30	-0.27
		10/20/99		74.58	3561.99	-0.31
		01/26/00		74.92	3561.65	-0.34
		04/17/00		75.19	3561.38	-0.27
		07/25/00		75.50	3561.07	-0.31
		10/16/00		75.85	3560.72	-0.35
Shell Station MW-4	3637.69	05/25/97	82.6	75.97	3561.72	
		07/28/97		76.15	3561.54	-0.18
		10/15/97		76.26	3561.43	-0.11
		01/05/98		76.52	3561.17	-0.26
		04/16/98		76.67	3561.02	-0.15
		07/16/98		78.03	3559.66	-1.36
		10/25/98		77.33	3560.36	0.70
		02/10/99		77.62	3560.07	-0.29
		04/21/99		77.48	3560.21	0.14
		07/12/99		78.08	3559.61	-0.60
		10/21/99		78.36	3559.33	-0.28
		01/26/00		78.65	3559.04	-0.29
		04/17/00		78.92	3558.77	-0.27
		07/25/00		79.18	3558.51	-0.26
		10/16/00		79.49	3558.20	-0.31

Note: Top of casing survey elevations are based on the "City of Hobbs Control Datum" and the North American Vertical Datum

Table 2 - Summary of Ground-Water Quality Data, Schlumberger Oilfield Services Facility, Hobbs, New Mexico

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-1	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	11/21/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.000	0.015
Abandoned	01/22/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.007	0.000	0.008
MW-2 Duplicate	10/25/96	0.042	0.016	0.049	0.027	0.259	0.002	0.012	0.044	0.044	ND(0.002)	0.014	0.044	0.134	0.331
	10/25/96	0.044	0.016	0.049	0.026	0.268	0.002	0.015	0.044	0.044	ND(0.002)	0.024	0.044	0.135	0.353
Duplicate	11/21/96	0.070	0.027	0.050	0.046	0.322	ND(0.005)	0.030	0.247	0.247	ND(0.005)	0.049	0.247	0.193	0.648
	01/22/97	0.019	0.009	0.014	0.016	0.082	ND(0.005)	0.011	0.083	0.083	ND(0.005)	0.017	0.083	0.058	0.193
Duplicate	05/23/97	0.009	0.004	0.003	0.005	0.039	ND(0.001)	0.007	0.057	0.057	ND(0.001)	0.014	0.057	0.021	0.117
	06/25/97	0.011	0.005	0.007	0.007	0.590	ND(0.002)	0.009	0.160	0.160	ND(0.002)	0.027	0.160	0.030	0.806
Duplicate	07/28/97	0.004	0.001	0.001	0.001	0.031	ND(0.002)	0.004	0.097	0.097	ND(0.002)	0.011	0.097	0.007	0.143
	01/16/97	0.002	0.001	0.001	0.001	0.012	ND(0.002)	0.002	0.023	0.023	ND(0.002)	0.012	0.023	0.005	0.049
Duplicate	01/06/98	0.004	0.002	0.001	0.001	0.007	ND(0.002)	0.002	0.043	0.043	ND(0.002)	0.007	0.043	0.008	0.075
	04/16/98	0.010	ND(0.001)	0.002	0.001	0.053	ND(0.002)	0.008	0.130	0.130	ND(0.002)	0.058	0.130	0.013	0.249
Duplicate	07/17/98	0.001	ND(0.001)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.001	0.013	0.013	ND(0.002)	0.034	0.013	0.001	0.054
	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.003	0.011	0.011	ND(0.002)	0.018	0.011	0.002	0.052
Duplicate	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.003	0.004	0.004	ND(0.001)	0.035	0.004	0.000	0.060
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.016	ND(0.001)	0.003	0.004	0.004	ND(0.001)	0.034	0.004	0.000	0.057
Duplicate	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.037	ND(0.001)	0.005	0.007	0.007	ND(0.001)	0.094	0.007	0.000	0.144
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.000	0.034
Duplicate	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.006	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	0.000	0.026
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.041	ND(0.001)	0.000	0.057
Duplicate	04/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.008	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.023	ND(0.001)	0.000	0.032
	07/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.003)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	ND(0.001)	0.000	0.011
Duplicate	10/16/00	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.001	0.008
MW-3	10/25/96	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.007	0.007	0.007	ND(0.002)	0.012	0.007	0.002	0.049
	11/21/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.017	ND(0.002)	0.007	0.028	0.028	ND(0.002)	0.019	0.028	0.000	0.071
Duplicate	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.027	ND(0.002)	0.010	0.014	0.014	ND(0.002)	0.016	0.014	0.000	0.067
	05/22/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.026	0.001	0.015	0.015	0.015	ND(0.001)	0.015	0.015	0.002	0.073
Duplicate	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.033	0.002	0.012	0.008	0.008	ND(0.002)	0.012	0.008	0.003	0.067
	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.022	ND(0.002)	0.008	0.011	0.011	ND(0.002)	0.022	0.011	0.001	0.063
Duplicate	04/16/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.023	ND(0.002)	0.023	0.031	0.031	ND(0.002)	0.026	0.031	0.000	0.103
	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.030	ND(0.002)	0.014	0.012	0.012	ND(0.002)	0.025	0.012	0.003	0.084
Duplicate	10/27/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.035	ND(0.002)	0.015	0.013	0.013	ND(0.002)	0.026	0.013	0.002	0.091
	01/20/99	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.025	ND(0.002)	0.012	0.005	0.005	ND(0.001)	0.016	0.005	0.002	0.070
Duplicate	10/16/00	ND(0.001)	ND(0.001)	0.002	ND(0.002)	0.025	ND(0.001)	0.023	ND(0.001)	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.004	0.068
	10/16/00	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.026	ND(0.001)	0.020	0.014	0.014	ND(0.001)	0.017	ND(0.001)	0.003	0.077
MW-4	10/25/96	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.110	0.051	0.498	1.040	1.040	0.005	2.590	0.005	0.000	4.294
	11/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.110	ND(0.005)	0.623	0.941	0.941	ND(0.005)	3.526	0.941	0.000	5.200
Duplicate	01/22/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.106	0.042	0.694	1.080	1.080	ND(0.002)	3.980	1.080	0.000	5.902
	05/23/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.089	0.037	0.509	0.557	0.557	ND(0.005)	3.100	0.557	0.000	4.292
Duplicate	06/25/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.062	0.022	0.423	0.550	0.550	ND(0.001)	1.720	0.550	0.000	2.777
	07/28/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.047	0.017	0.167	0.349	0.349	ND(0.002)	1.250	0.349	0.000	1.938
Duplicate	10/16/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.044	0.015	0.124	0.332	0.332	ND(0.002)	1.190	0.332	0.000	1.750
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.037	0.015	0.103	0.267	0.267	ND(0.002)	1.060	0.267	0.000	1.503
Duplicate	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	0.011	0.103	0.225	0.225	ND(0.001)	1.170	0.225	0.000	1.540
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.021	ND(0.002)	0.067	0.146	0.146	ND(0.002)	0.970	0.146	0.000	1.226
Duplicate	10/27/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.019	0.006	0.077	0.138	0.138	ND(0.005)	0.907	0.138	0.000	1.149
	01/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.001)	0.206	0.114	0.114	ND(0.001)	0.651	0.114	0.000	0.900
Duplicate	04/16/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.001)	0.206	0.194	0.194	ND(0.001)	1.120	0.194	0.000	1.551
	07/17/99	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.031	ND(0.002)	0.240	0.216	0.216	ND(0.002)	0.943	0.216	0.000	1.330
Duplicate	10/27/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.031	ND(0.005)	0.201	0.209	0.209	ND(0.005)	1.080	0.209	0.000	1.521
	02/10/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.019	ND(0.001)	0.118	0.090	0.090	ND(0.001)	0.511	0.090	0.000	0.738
Duplicate	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.031	ND(0.001)	0.081	0.151	0.151	ND(0.001)	0.875	0.151	0.000	1.223
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.014	ND(0.001)	0.081	0.056	0.056	ND(0.001)	0.566	0.056	0.000	0.539
Duplicate	10/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.059	0.004	0.084	0.055	0.055	ND(0.001)	0.350	0.055	0.000	0.508
	01/25/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.149	0.155	0.155	ND(0.001)	0.977	0.155	0.000	1.367
Duplicate	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.015	ND(0.001)	0.044	0.030	0.030	ND(0.001)	0.249	0.030	0.000	0.336
	07/23/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.013	ND(0.0025)	0.038	0.021	0.021	ND(0.0025)	0.252	0.021	0.000	0.387
STL Duplicate	10/16/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.016	0.005	0.028	0.021	0.021	ND(0.005)	0.140	0.021	0.000	0.235
	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.011	0.005	0.041	0.025	0.025	ND(0.005)	0.107	0.025	0.000	0.229
Duplicate	10/16/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.011	0.005	0.021	0.013	0.013	ND(0.0025)	0.107	0.013	0.000	0.157

Table 2 - Summary of Ground-Water Quality Data, Schlumberger Oilfield Services Facility, Hobbs, New Mexico

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-5 Duplicate	01/23/97	0.018	0.004	ND(0.001)	0.001	0.180	0.002	0.020	0.036	0.001	0.001	0.012	0.000	0.023	0.251
	01/23/97	0.018	0.004	ND(0.001)	0.001	0.190	0.002	0.018	0.034	0.001	0.001	0.009	0.000	0.023	0.254
Duplicate	05/23/97	0.029	ND(0.002)	ND(0.002)	ND(0.004)	0.191	0.003	0.055	0.059	0.002	0.002	0.079	0.000	0.029	0.389
	07/28/97	0.051	0.023	ND(0.005)	0.007	0.241	0.004	0.072	0.051	ND(0.005)	ND(0.005)	0.058	0.000	0.081	0.438
Duplicate	07/28/97	0.052	0.023	ND(0.005)	0.007	0.258	0.004	0.069	0.056	ND(0.005)	ND(0.005)	0.052	0.000	0.082	0.433
	10/16/97	0.059	0.027	ND(0.011)	0.008	0.214	0.004	0.066	0.039	ND(0.011)	ND(0.011)	0.070	0.000	0.094	0.393
Duplicate	04/16/98	0.048	0.016	ND(0.011)	0.006	0.215	0.004	0.060	0.029	ND(0.011)	ND(0.011)	0.055	0.000	0.070	0.363
	04/16/98	0.034	0.011	ND(0.005)	ND(0.011)	0.136	0.002	0.033	0.068	ND(0.005)	ND(0.005)	0.031	0.000	0.045	0.210
Duplicate	07/17/98	0.025	0.007	ND(0.002)	0.001	0.106	0.002	0.023	0.011	ND(0.002)	ND(0.002)	0.029	0.000	0.033	0.169
	10/27/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.080	ND(0.01)	0.042	0.002	ND(0.002)	ND(0.002)	0.033	0.000	0.033	0.171
Duplicate	10/27/98	0.011	0.009	ND(0.002)	ND(0.004)	0.113	ND(0.002)	0.011	0.002	ND(0.002)	ND(0.002)	0.011	0.000	0.013	0.077
	10/16/00	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.036	0.140
MW-5	01/23/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.041	0.001	0.004	0.004	ND(0.001)	ND(0.001)	0.003	0.000	0.001	0.053
	05/22/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.085	0.002	0.034	0.017	0.002	0.002	0.023	0.000	0.004	0.163
Duplicate	07/28/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.081	0.002	0.027	0.008	0.002	0.002	0.021	0.000	0.003	0.141
	10/16/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.082	0.002	0.025	0.006	0.002	0.002	0.019	0.000	0.003	0.136
Duplicate	01/06/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.113	0.003	0.038	0.012	0.002	0.002	0.024	0.000	0.003	0.192
	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.088	0.003	0.027	0.008	0.002	0.002	0.017	0.000	0.002	0.145
Duplicate	07/17/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.091	0.004	0.051	0.022	0.002	0.002	0.032	0.000	0.002	0.202
	10/26/98	0.011	0.002	ND(0.011)	ND(0.02)	0.055	ND(0.01)	0.011	ND(0.01)	ND(0.01)	ND(0.01)	0.011	0.000	0.013	0.077
Duplicate	02/10/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.113	0.005	0.056	0.016	0.003	0.003	0.039	0.000	0.003	0.232
	04/21/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.133	0.006	0.051	0.021	0.003	0.003	0.047	0.000	0.003	0.273
Duplicate	07/13/99	0.003	ND(0.002)	ND(0.002)	ND(0.005)	0.108	0.004	0.058	0.032	ND(0.002)	ND(0.002)	0.062	0.000	0.003	0.263
	10/20/99	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.086	0.003	0.038	0.032	ND(0.002)	ND(0.002)	0.046	0.000	0.002	0.205
Duplicate	01/25/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.093	0.003	0.049	0.015	ND(0.002)	ND(0.002)	0.033	0.000	0.002	0.208
	04/18/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.082	ND(0.002)	0.036	0.009	ND(0.002)	ND(0.002)	0.033	0.000	0.000	0.160
Duplicate	07/25/00	0.002	ND(0.002)	ND(0.002)	ND(0.005)	0.057	ND(0.002)	0.028	0.010	ND(0.002)	ND(0.002)	0.027	0.000	0.000	0.122
	10/16/00	0.002	ND(0.001)	0.002	ND(0.001)	0.024	0.003	0.015	0.014	ND(0.001)	ND(0.001)	0.030	ND(0.001)	0.004	0.090
MW-7	01/23/97	0.001	ND(0.001)	ND(0.001)	0.001	0.047	0.001	0.009	0.004	ND(0.001)	0.004	0.014	0.000	0.002	0.075
	05/22/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.087	0.002	0.056	0.022	0.002	0.002	0.116	0.000	0.003	0.287
Duplicate	07/28/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.073	0.002	0.051	0.021	ND(0.002)	ND(0.002)	0.110	0.000	0.004	0.267
	10/16/97	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.054	0.018	ND(0.005)	ND(0.005)	0.091	0.000	0.003	0.224
Duplicate	04/16/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.076	ND(0.005)	0.054	0.018	ND(0.005)	ND(0.005)	0.111	0.000	0.003	0.259
	07/17/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.065	ND(0.005)	0.038	0.024	ND(0.005)	ND(0.005)	0.078	0.000	0.003	0.188
Duplicate	10/26/98	0.003	ND(0.005)	ND(0.005)	ND(0.01)	0.047	ND(0.005)	0.030	0.002	ND(0.005)	ND(0.005)	0.073	0.000	0.003	0.200
	02/10/99	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.050	ND(0.001)	0.032	0.002	ND(0.001)	ND(0.001)	0.066	0.000	0.002	0.164
Duplicate	04/21/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.047	ND(0.001)	0.029	0.002	ND(0.001)	ND(0.001)	0.071	0.000	0.000	0.160
	07/13/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.034	ND(0.001)	0.027	0.002	ND(0.001)	ND(0.001)	0.066	0.000	0.000	0.134
Duplicate	10/20/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.046	ND(0.001)	0.035	0.006	ND(0.001)	ND(0.001)	0.081	0.000	0.002	0.168
	01/25/00	0.001	ND(0.002)	ND(0.002)	ND(0.005)	0.025	ND(0.002)	0.020	0.003	ND(0.002)	ND(0.002)	0.061	0.000	0.000	0.109
Duplicate	04/18/00	0.001	ND(0.002)	ND(0.002)	ND(0.005)	0.022	ND(0.002)	0.020	0.003	ND(0.002)	ND(0.002)	0.069	0.000	0.000	0.114
	07/25/00	0.001	ND(0.002)	ND(0.002)	ND(0.005)	0.030	ND(0.002)	0.026	0.003	ND(0.002)	ND(0.002)	0.081	0.000	0.000	0.089
Duplicate	10/16/00	0.001	ND(0.002)	ND(0.002)	ND(0.005)	0.036	ND(0.002)	0.030	0.003	ND(0.002)	ND(0.002)	0.090	ND(0.002)	0.000	0.159
MW-8	01/23/97	0.001	ND(0.01)	ND(0.01)	ND(0.02)	0.068	0.005	0.280	0.460	ND(0.01)	ND(0.01)	0.810	0.000	0.000	1.623
	05/22/97	0.003	ND(0.01)	ND(0.01)	ND(0.02)	0.082	ND(0.01)	1.360	0.805	ND(0.01)	ND(0.01)	4.150	0.000	0.000	6.397
Duplicate	07/28/97	0.004	ND(0.02)	ND(0.02)	ND(0.04)	0.077	ND(0.02)	0.975	0.774	ND(0.02)	ND(0.02)	3.600	0.000	0.000	5.426
	10/16/97	0.003	ND(0.01)	ND(0.01)	ND(0.01)	0.120	ND(0.01)	1.120	0.798	ND(0.01)	ND(0.01)	4.520	0.000	0.000	6.438
Duplicate	01/06/98	0.002	ND(0.02)	ND(0.02)	ND(0.04)	0.082	ND(0.02)	0.858	0.596	ND(0.02)	ND(0.02)	4.570	0.000	0.000	6.024
	04/16/98	0.002	ND(0.02)	ND(0.02)	ND(0.04)	0.082	ND(0.02)	1.230	0.798	ND(0.02)	ND(0.02)	4.650	0.000	0.000	6.678
Duplicate	07/17/98	0.002	ND(0.02)	ND(0.02)	ND(0.04)	0.082	ND(0.02)	1.050	0.658	ND(0.02)	ND(0.02)	5.080	0.000	0.000	6.328
	10/26/98	0.002	ND(0.02)	ND(0.02)	ND(0.04)	0.060	ND(0.02)	1.200	0.740	ND(0.02)	ND(0.02)	5.080	0.000	0.000	7.030
Duplicate	02/10/99	0.002	ND(0.02)	ND(0.02)	ND(0.050)	0.083	ND(0.02)	0.936	0.522	ND(0.02)	ND(0.02)	3.870	0.000	0.000	5.222
	04/21/99	0.002	ND(0.02)	ND(0.02)	ND(0.050)	0.080	ND(0.02)	0.808	0.600	ND(0.02)	ND(0.02)	3.870	0.000	0.000	5.458
Duplicate	07/13/99	0.002	ND(0.02)	ND(0.02)	ND(0.050)	0.058	ND(0.02)	0.834	0.447	ND(0.02)	ND(0.02)	3.900	0.000	0.000	5.388
	10/20/99	0.002	ND(0.02)	ND(0.02)	ND(0.050)	0.058	ND(0.02)	0.857	0.447	ND(0.02)	ND(0.02)	3.910	0.000	0.000	4.995
Duplicate	01/25/00	0.002	ND(0.02)	ND(0.02)	ND(0.050)	0.053	ND(0.02)	0.687	0.349	ND(0.02)	ND(0.02)	3.190	0.000	0.000	4.302
	04/18/00	0.001	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.412	0.219	ND(0.01)	ND(0.01)	2.420	0.000	0.000	3.104
Duplicate	07/25/00	0.001	ND(0.01)	ND(0.01)	ND(0.03)	0.053	ND(0.01)	0.422	0.238	ND(0.01)	ND(0.01)	2.140	0.000	0.000	2.800
	10/16/00	0.001	ND(0.01)	ND(0.01)	ND(0.01)	0.085	ND(0.01)	0.700	0.300	ND(0.01)	ND(0.01)	2.500	0.000	0.000	3.500
STL Duplicate	10/16/00	0.001	ND(0.01)	ND(0.01)	ND(0.01)	0.085	ND(0.01)	0.546	0.317	ND(0.01)	ND(0.01)	5.780	0.000	0.000	6.728

Table 2 - Summary of Ground-Water Quality Data, Schlumberger Oilfield Services Facility, Hobbs, New Mexico

Well Number	Date Sampled	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALOCARBONS (mg/L)
MW-9	01/23/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.063	0.045	0.045	ND(0.001)	0.090	0.000	0.000	0.209
	05/23/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.332	0.147	0.147	ND(0.01)	1.550	0.000	0.000	2.045
	06/25/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.033	ND(0.02)	0.326	ND(0.02)	ND(0.02)	ND(0.02)	1.130	0.000	0.000	1.489
	07/28/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.019	ND(0.02)	0.278	0.121	0.121	ND(0.02)	1.020	0.000	0.000	1.440
	10/16/97	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.04)	0.023	ND(0.02)	0.321	0.141	0.141	ND(0.02)	1.160	0.000	0.000	1.561
	01/06/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.033	ND(0.1)	0.502	0.174	0.174	ND(0.1)	1.350	0.000	0.000	2.059
	04/16/98	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.1)	0.029	ND(0.05)	0.444	0.144	0.144	ND(0.05)	1.290	0.000	0.000	1.907
	07/17/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.042	ND(0.1)	0.690	0.242	0.242	ND(0.1)	1.770	0.000	0.000	2.744
	10/27/98	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.2)	0.030	ND(0.1)	0.507	0.193	0.193	ND(0.1)	1.400	0.000	0.000	2.077
	02/10/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.031	ND(0.01)	0.487	0.159	0.159	ND(0.01)	1.320	0.000	0.000	1.875
Duplicate	04/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.026	ND(0.01)	0.368	0.161	0.161	ND(0.01)	1.100	0.000	0.000	1.594
	07/13/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.021	ND(0.01)	0.353	0.110	0.110	ND(0.01)	1.090	0.000	0.000	1.454
	10/21/99	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.016	ND(0.01)	0.281	0.085	0.085	ND(0.01)	0.556	0.000	0.000	0.762
	01/25/00	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.013	ND(0.01)	0.145	0.048	0.048	ND(0.01)	0.235	0.000	0.000	0.302
	04/18/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.006	ND(0.0025)	0.046	0.015	0.015	ND(0.0025)	0.228	0.000	0.000	0.246
	07/25/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0075)	ND(0.0025)	ND(0.0025)	0.012	0.006	0.006	ND(0.0025)	0.027	ND(0.001)	0.001	0.036
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.007	0.002	0.002	ND(0.001)	0.027	ND(0.001)	0.001	0.036
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.006	0.002	0.002	ND(0.001)	0.028	ND(0.001)	0.001	0.036
	05/26/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.007	ND(0.002)	0.001	0.001	0.026	0.004	0.004	0.038
	05/26/97	0.007	ND(0.002)	ND(0.002)	ND(0.004)	0.004	ND(0.002)	0.008	ND(0.002)	0.001	0.001	0.028	0.007	0.007	0.037
Duplicate	07/28/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.009	0.002	0.002	ND(0.002)	0.014	0.002	0.002	0.028
	10/16/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.008	0.001	0.001	0.010
	01/06/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	04/16/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	07/17/98	0.003	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	10/26/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	10/18/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	10/18/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
MW-11	05/24/97	0.002	ND(0.001)	ND(0.001)	0.001	0.001	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.003	0.003	0.010
	07/28/97	0.003	ND(0.001)	ND(0.001)	0.006	ND(0.001)	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.003	0.003	0.010
	10/16/97	0.002	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.003	0.003	0.010
	01/06/98	0.002	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	04/16/98	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.002	0.002
	07/17/98	0.002	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.002	0.002
	10/26/98	0.002	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	0.002	0.002	0.002
	10/26/98	0.001	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	10/18/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	10/16/00	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
MW-12	05/25/97	ND(0.001)	0.006	0.005	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.014	0.014	0.001
	07/28/97	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)	0.001	0.001	0.001	0.001
	10/16/97	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)	0.001	0.001	0.001	0.001
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.001	0.001	0.001
	04/16/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.001	0.001	0.001
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.001	0.001	0.001
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.001	0.001	0.001	0.001
	10/18/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.003	0.003	0.003
	10/16/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.003	0.003	0.003
MW-13	05/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	0.001	0.001	ND(0.001)	0.010	0.000	0.000	0.023
	07/28/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	0.001	0.001	ND(0.001)	0.009	0.000	0.000	0.022
	10/16/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.015	0.001	0.001	ND(0.001)	0.013	0.000	0.000	0.029
	01/06/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.011	0.001	0.001	ND(0.002)	0.013	0.000	0.000	0.025
	04/16/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.017	0.002	0.002	ND(0.002)	0.011	0.000	0.000	0.030
	07/17/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017	0.002	0.002	ND(0.001)	0.011	0.000	0.000	0.030
	10/26/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.016	0.003	0.003	ND(0.001)	0.010	0.000	0.000	0.029
	10/26/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	0.019	0.002	0.002	ND(0.002)	0.016	0.000	0.000	0.037
	02/10/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.016	0.002	0.002	ND(0.001)	0.014	0.000	0.000	0.041
	04/21/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.017	0.002	0.002	ND(0.001)	0.018	0.000	0.000	0.037
Duplicate	07/12/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.012	0.001	0.001	ND(0.001)				

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER LAGOON																
Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m3)	Toluene (mg/m3)	Ethyl-Benzene (mg/m3)	Total Xylene (mg/m3)	Vinyl						Input BTEX (mg/m3)	Output BTEX (mg/m3)	Input Halocarbons (mg/m3)	Output Halocarbons (mg/m3)
							1,1-DCE (mg/m3)	1,1-DCA (mg/m3)	Chloromethane (mg/m3)	1,1,1-TCA (mg/m3)	Chloride (mg/m3)	TCE (mg/m3)				
007-AREA 1	11/02/94	Pilot	ND(0.1)	1	0.35	111.2	29.80	0.487	ND(0.2)	20.7	ND(0.2)	36.5				
Unit 1 (7/95) Input	07/13/95	Input	28	256	30.6	111.2	46.2	48.3	ND(0.2)	450	ND(0.2)	135	425.8		680.73	
Unit 1 (7/95) Exhaust		Exhaust	0.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.83		0
Unit 1 (8/95) Input	08/12/95	Input	18.3	46.4	20	51.4	23.9	35.2	ND(0.2)	216.6	ND(0.2)	19	136.1		296	
Unit 1 (8/95) Exhaust		Exhaust	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5	ND(0.2)	12.8	ND(0.2)	35.7	3.7		1.9		57.2
Unit 1 Input 9/95-1	09/07/95	Input	19.1	118.3	16.6	91.2	56.7	34.8	ND(0.2)	283	ND(0.2)	111.8	245.2		489.03	
Unit 1 Output 9/95-1		Exhaust	6.5	2.9	0.6	3.4	ND(0.2)	ND(0.2)	6.8	ND(0.2)	8.6	6		13.4		21.4
Unit 1 Output 9/95-2		Exhaust 2	1.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.3		0
Unit 1 Int	11/29/95	Before Cat	1.01	ND(0.43)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.01		0	
Unit 1 Output		After Cat	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	15.3	ND(0.2)	ND(0.2)	ND(0.2)		0		15.3
93007-WatDinput	04/11/96	Input	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.1	ND(0.2)	1.2	0.5	214.6		257.1	
93007-WatPDExh.4/96		Exhaust	2.8	49.5	2.6	11.2	9.7	11.4	ND(0.2)	116	ND(0.2)	120		1		5.8
93007-WPINPUT.7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	2.4	ND(0.3)	0.7	0.6	66.1		95.9	
93007-WPEXHS1.7/96		Exhaust	2.07	44	12.1	77.1	4.9	ND(0.2)	ND(0.2)	74.4	ND(0.2)	1.02	135.27		132.22	
WP-INPUT-10/96	10/24/96	Input	1.02	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	3.02	ND(0.2)	2.97	0.832		1.02		6.822
93-007-WP-INP.5/97	05/13/97	Input	5.7	95.5	19.7	109.4	9.1	10.2	ND(5.0)	74.1	ND(5.0)	66.3	230.3		159.7	
93007-WP.10/97	10/14/97	Input	10.6	90.2	26.4	150.4	5.4	9.05	ND(5.0)	125	ND(5.0)	81	277.6		220.45	
93007-WP.1/98	01/06/98	Input	8.92	58	19.2	103.3	4.86	8.54	ND(2.0)	125	ND(2.0)	68.4	189.42		206.8	
93007-WP.4/98	04/28/98	Input	10.9	73.6	20.7	114.6	7.2	12.6	ND(5.0)	228	ND(5.0)	117	219.8		364.8	
93007-WP.7/98	07/16/98	Input	8.40J	66.5	19.5	116.3	ND(0.10)	7.80J	ND(0.10)	175	ND(0.10)	105	202.3		280	
93007-WP.10/98	10/28/98	Input	6.38	62.8	18	80.1	ND(2.5)	4.35	ND(2.5)	78.1	ND(2.5)	50.5	167.28		132.95	
93007-WP.11/98	11/12/98	Input	7.0J	80.9	34.6	249	ND(10.0)	ND(10.0)	ND(10.0)	72.7	ND(10.0)	121	364.5		193.7	
93007-WP.2/99	02/10/99	Input	4.35	68.8	42.8	270	ND(2.5)	ND(2.5)	ND(2.5)	43.9	ND(2.5)	87.3	385.95		131.2	
93007-WP.4/99	04/21/99	Input	2.2J	39.2	19.2	114.3	ND(2.5)	ND(2.5)	ND(2.5)	28.1	ND(2.5)	51.6	172.7		79.7	
93007-WP.7/99	07/12/99	Input	ND(2.5)	33.1	14.8	88.2	ND(2.5)	ND(2.5)	ND(2.5)	14.5	ND(2.5)	40	136.1		54.5	
93007-WP.10/99	10/21/99	Input	ND(2.5)	22.9	11.7	67.3	ND(2.5)	ND(2.5)	ND(2.5)	9.35	ND(2.5)	34.9	101.9		44.25	
93007-WP.1/00	01/25/00	Input	ND(2.5)	20.3	10.2	61.1	ND(2.5)	ND(2.5)	ND(2.5)	6.9	ND(2.5)	26.2	91.6		41.5	
93007-WP.4/00	04/17/00	Input	ND(5.0)	14.1	7.45	41.1	ND(5.0)	ND(5.0)	ND(5.0)	5	ND(5.0)	18.1	62.65		31.2	
93007-WP.7/00	07/25/00	Input	ND(2.5)	8.2	3.75	22.7	ND(2.5)	ND(2.5)	ND(2.5)	3.25	ND(2.5)	22	34.65		21.35	
93007-WP.10/00	10/16/00	Input	ND(2.5)	9.3	5.75	67.3	ND(2.5)	ND(2.5)	ND(2.5)	2.85	ND(2.5)	22	82.35		24.85	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

ACID PLANT

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m ³)	Toluene (mg/m ³)	Ethyl- Benzene (mg/m ³)	Total Xylene (mg/m ³)	1,1-DCE (mg/m ³)	1,1-DCA (mg/m ³)	Chloromethane (mg/m ³)	1,1,1-TCA (mg/m ³)	Vinyl Chloride (mg/m ³)	TCE (mg/m ³)	PCE (mg/m ³)	Input BTEX (mg/m ³)	Output BTEX (mg/m ³)	Input Halocarbons (mg/m ³)	Output Halocarbons (mg/m ³)
007-AREA 2	11/02/94	Pilot	4.5	23.2	11.4		4.4	12.2			88.5		30.5				
Unit 2 (7/95) Input	07/13/95	Input	3.13	27.2	12.9	46.18	1.52	1.53	ND(0.2)	ND(0.2)	3.39	ND(0.2)	6.91	89.41		13.35	
Unit 2 (7/95) Exhaust		Exhaust	ND(0.2)	0.26	ND(0.2)	1.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		1.76		0
Unit 2 (8/95) Input	08/12/95	Input	1.42	24.8	10.4	48.5	5.1	1.6	ND(0.2)	ND(0.2)	7	ND(0.2)	8.9	85.12		22.6	
Unit 2 (8/95) Exhaust		Exhaust	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0.5		0
Unit 2 Output 9/95	09/07/95	Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007-ACDKINPT 4/96	04/11/96	Input	0.7	17.7	5.6	30.3	1.9	0.6	ND(0.2)	ND(0.2)	5.5	ND(0.2)	0.3	54.3		27.3	
93007-ACDKExh 4/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0
93007ADINPT 7/96	07/23/96	Input	ND(0.3)	1	ND(0.3)	1.1	0.8	ND(0.3)	ND(0.5)	0.9	ND(0.5)	ND(0.3)	1.6	2.1		3.3	
93007ADEXHST 7/96		Exhaust	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)		0		0
AD-INPUT-10/96	10/24/96	Input	0.61	4.51	0.88	5.62	1.69	0.55	ND(0.2)	ND(0.2)	1.48	ND(0.2)	3.33	11.62		7.05	
AD-OUTPUT-10/96		Exhaust	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.4)	ND(0.2)	ND(0.2)	0.477	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		0		0.477
93007-AD-INP-1/97	01/21/97	Input	ND(1.0)	5.67	ND(1.0)	2.38	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.34	ND(1.0)	8.86	8.05		10.2	
93007-AD-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		0		0
93-007-AD-INP-5/97	05/13/97	Input	ND(1.0)	4.06	ND(1.0)	3.88	2.19	ND(1.0)	ND(1.0)	ND(1.0)	2.09	ND(1.0)	10.3	7.94		14.58	
93007-AD 1/98	01/14/97	Input	ND(1.0)	1.31	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)				
93007-AD 1/98	01/06/98	Input	ND(1.0)	6.4	2.46	16.36	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.31		1.74	
93007-AD 4/98	04/28/98	Input	ND(1.0)	ND(1.0)	ND(1.0)	0.751	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.98	ND(1.0)	7.29	25.22		11.27	
93007-AD 7/98	07/16/98	Input	ND(1.0)	2.08	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.56J	ND(1.0)	1.4	0		1.4	
93007-AD 11/98	11/12/98	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.69J	ND(1.0)	2.26	2.08		2.26	
93007-AD 2/99	02/10/99	Input	ND(0.5)	2.38	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	0.77J	0		0.63	
93007-AD 4/99	04/21/99	Input	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(2.0)	ND(1.0)	ND(1.0)	0		0	
93007-AD 7/99	07/12/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0		0	
93007-AD 10/99	10/21/99	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0		0	
93007-AD 1/00	01/25/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0		0	
93007-AD 4/00	04/17/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 7/00	07/25/00	Input	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	0		0	
93007-AD 10/00	10/16/00	Input	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0		0	

TABLE 3. SVE System Air Sample Data from the Dowell Schlumberger Facility, Hobbs, New Mexico.

FORMER UST

Sample I.D.	Date Sampled	Sample Location	Benzene (mg/m ³)	Toluene (mg/m ³)	Ethyl-Benzene (mg/m ³)	Total Xylene (mg/m ³)	1,1-DCE (mg/m ³)	1,1-DCA (mg/m ³)	Chloromethane (mg/m ³)	1,1,1-TCA (mg/m ³)	Vinyl Chloride (mg/m ³)	TCE (mg/m ³)	PCE (mg/m ³)	Input BTEX (mg/m ³)	Output BTEX (mg/m ³)	Input Halocarbons (mg/m ³)	Output Halocarbons (mg/m ³)
007-AREA 3	11/02/94	Pilot	1.2	5.7	5.5	6.84	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.1)	ND(0.1)	2.68	870	15.84		1379.58	
Unit 3 (7/95) Input	7/13/95	Input	2.08	5.95	1.77	7.88	0.27	ND(0.2)	17.2	ND(0.2)	0.87	ND(0.2)	2.76		12.9		21.1
Unit 3 (7/95) Exhaust		Exhaust	2.89	1.41	0.72	4.9	506	15.6	ND(0.2)	579	ND(0.2)	2.1	636	8.1		1738.7	
Unit 3 (8/95) Input	8/12/95	Input	0.4	1.9	0.9	4.9	506	15.6	ND(0.2)	579	ND(0.2)	2.1	636	8.1		1738.7	
Unit 3 (8/95) Exhaust		Exhaust	4.9	ND(0.2)	ND(0.2)	ND(0.2)	2.8	ND(0.2)	48	ND(0.2)	35	0.8	21.5		4.9		108.1
Unit 3 Input 9/95-1	09/07/95	Input	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	593.4	13.3	ND(0.2)	492	ND(0.2)	0.9	81.4	0		1545.1	
Unit 3 Output 9/95-1		Exhaust	1.1	0.5	ND(0.2)	ND(0.2)	56.2	ND(0.2)	13	ND(0.2)	31.9	ND(0.2)	14.5	1.01	1.6		170.4
Unit 3 Int	11/29/95	Before Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)	10.5	ND(0.2)	9.7	1.01	1.01	58.3	41.21
Unit 3 Output		After Cat	1.01	ND(0.2)	ND(0.2)	ND(0.2)	3.21	ND(0.2)	13	ND(0.2)	10.5	ND(0.2)	9.7	1.01	1.01	58.3	41.21
93007-TKShpInpt	04/11/96	Input	ND(0.2)	0.9	0.5	3.4	99.4	ND(0.2)	ND(0.2)	254	ND(0.2)	1	611	4.8		965.4	
93007-TKShpExh.4/96		Exhaust	0.6	ND(0.2)	ND(0.2)	ND(0.2)	0.9	ND(0.2)	10.1	ND(0.2)	6.8	0.4	8.5	0	0.6	98.6	26.7
93007-TSINPT.7/96	07/23/96	Input	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	47.1	4.8	ND(0.5)	ND(0.3)	ND(0.5)	0.5	46.2	0			
93007-TSEXHST.7/96		Exhaust	0.4	ND(0.3)	ND(0.3)	ND(0.3)	1.3	ND(0.3)	6.6	ND(0.3)	2.2	ND(0.3)	2.8		0.4	338.67	12.9
UST-INPUT-10/96	10/24/96	Input	0.35	0.35	0.24	1.01	57.6	4.37	ND(0.2)	97.7	ND(0.2)	179	1.95				
UST-OUTPUT-10/96		Exhaust	4.83	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.66	ND(0.2)	2.59	ND(0.2)	1.62		4.83		8.87
93007-UST-INP-1/97	1/21/97	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	30	2.8	ND(1.0)	63.3	ND(1.0)	0.58J	205	0		301.1	
93007-UST-EXH-1/97		Exhaust	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	ND(1.0)	ND(1.0)	ND(1.0)	6.19	0	0	196.8	8.69
93-007-UST-INP-5/97	05/13/97	Input	ND(25.0)	ND(25.0)	ND(25.0)	ND(25.0)	21.3J	ND(25.0)	ND(25.0)	41.8	ND(25.0)	ND(25.0)	155	0			
93007-UST-1/98	01/06/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3.85J	ND(5.0)	ND(5.0)	8.25	ND(5.0)	ND(5.0)	102	0		110.25	
93007-UST-4/98	04/29/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.15J	ND(5.0)	ND(5.0)	4.15J	ND(5.0)	ND(5.0)	121	0		121	
93007-UST-10/98	10/29/98	Input	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.80J	ND(5.0)	ND(5.0)	104	0		104	
93007-UST-2/99	02/11/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	46.8	0		46.8	
93007-UST-4/99	04/21/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	37.9	0		37.9	
93007-UST-7/99	07/12/99	Input	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	36.6	0		36.6	
93007-UST-10/99	10/21/99	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	37	0		37	
93007-UST-1/00	01/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	27.6	0		27.6	
93007-UST-4/00	04/17/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	36.2	0		36.2	
93007-UST-7/00	07/25/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	41.9	0		41.9	
93007-UST-10/00	10/16/00	Input	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	29.4	0		29.4	

Notes: mg/m³ = milligrams per cubic meter

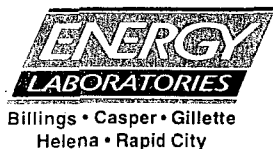
DCA=Dichloroethane

ND=Not Detected at detection limit shown in parentheses.

DCE= Dichloroethene

APPENDIX A

LABORATORY ANALYTICAL REPORTS



ENERGY LABORATORIES, INC.

SHIPPING: 2393 SALT CREEK HIGHWAY • CASPER, WY 82601

MAILING: P.O. BOX 3258 • CASPER, WY 82602

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-2.10/00
Laboratory ID: 00-36914-15
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 18:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	3.00	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1, 2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	1.26	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	4.52	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRACER NO. ANAL NO.

0501570 1129



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-2.10/00
Laboratory ID: 00-36914-15

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	685499	773375	88.6%	50 - 200 %
Fluorobenzene	1474851	1529125	96.5%	50 - 200 %
1,4 - Difluorobenzene	1188886	1323303	89.8%	50 - 200 %
Chlorobenzene - d5	910284	1031734	88.2%	50 - 200 %
1,4 - Dichlorobenzene - d4	365229	411359	88.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.8	108%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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Helena • Rapid City

ENERGY LABORATORIES, INC.

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-3.10/00
Laboratory ID: 00-36914-9
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 15:00
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	19.9	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	25.7	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	4.82	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	14.3	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	2.72	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	16.7	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-3.10/00
Laboratory ID: 00-36914-9

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

<u>INTERNAL STANDARDS</u>	<u>AREA</u>	<u>ICAL / CCAL</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Pentafluorobenzene	713710	773375	92.3 %	50 - 200 %
Fluorobenzene	1523006	1529125	99.6 %	50 - 200 %
1,4 - Difluorobenzene	1229218	1323303	92.9 %	50 - 200 %
Chlorobenzene - d5	958205	1031734	92.9 %	50 - 200 %
1,4 - Dichlorobenzene - d4	387897	411359	94.3 %	50 - 200 %

<u>SYSTEM MONITORING COMPOUNDS</u>	<u>CONCENTRATION</u>	<u>PERCENT RECOVERY</u>	<u>ACCEPTANCE RANGE</u>
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.99	99.9%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

TABLE NO.

0001152000-10



Billings • Casper • Gillette
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ENERGY LABORATORIES, INC.

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-4.10/00
Laboratory ID: 00-36914-14
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 10-16-00
Time Sampled: 18:15
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	20.6	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	11.0	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	5.45	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	13.2	2.50
107-06-2	1,2 - Dichloroethane	5.05	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	8.30	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	107	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRANSFERRED TO FILE NO.

10-19-00-027



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-4.10/00
Laboratory ID: 00-36914-14

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	683177	773375	88.3 %	50 - 200 %
Fluorobenzene	1469244	1529125	96.1 %	50 - 200 %
1,4 - Difluorobenzene	1183286	1323303	89.4 %	50 - 200 %
Chlorobenzene - d5	908924	1031734	88.1 %	50 - 200 %
1,4 - Dichlorobenzene - d4	366761	411359	89.2 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104 %	86 - 118 %
Toluene - d8	10.9	109 %	88 - 110 %
4 - Bromofluorobenzene	10.3	103 %	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



Billings • Casper • Gillette
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ENERGY LABORATORIES, INC.

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-5.10/00
Laboratory ID: 00-36914-7
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 13:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	1.52	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	8.92	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	1.80	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-5.10/00
Laboratory ID: 00-36914-7

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	767773	773375	99.3%	50 - 200 %
Fluorobenzene	1625533	1529125	106%	50 - 200 %
1,4 - Difluorobenzene	1324767	1323303	100%	50 - 200 %
Chlorobenzene - d5	1043383	1031734	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	430210	411359	105%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-6.10/00
Laboratory ID: 00-36914-8
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 14:30
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	15.0	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	24.3	1.00
78-93-3	2 - Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	3.55	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	7.55	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	14.4	1.00
107-06-2	1,2 - Dichloroethane	2.60	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	1.80	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	1.55	1.00
108-88-3	Toluene	2.35	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	30.3	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

TRACKING NO. PAGE NO.

COMPLETE ANALYTICAL SERVICES

01014000117



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-6.10/00
Laboratory ID: 00-36914-8

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.0
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	712108	773375	92.1%	50 - 200 %
Fluorobenzene	1523026	1529125	99.6%	50 - 200 %
1,4 - Difluorobenzene	1243620	1323303	94.0%	50 - 200 %
Chlorobenzene - d5	963767	1031734	93.4%	50 - 200 %
1,4 - Dichlorobenzene - d4	394169	411359	95.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	10.7	107%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.92	99.2%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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ENERGY LABORATORIES, INC.

SHIPPING: 2393 SALT CREEK HIGHWAY • CASPER, WY 82601

MAILING: P.O. BOX 3258 • CASPER, WY 82602

E-mail: casper@energylab.com • FAX: (307) 234-1639

PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-7.10/00
Laboratory ID: 00-36914-10
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 10-16-00
Time Sampled: 15:30
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	29.7	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	35.9	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	ND	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	3.45	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	90.0	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-7.10/00
Laboratory ID: 00-36914-10

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

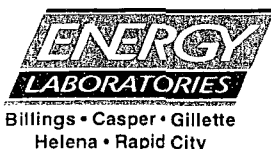
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	707397	773375	91.5%	50 - 200 %
Fluorobenzene	1529167	1529125	100%	50 - 200 %
1,4 - Difluorobenzene	1232870	1323303	93.2%	50 - 200 %
Chlorobenzene - d5	968625	1031734	93.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	388942	411359	94.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.8	108%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-8.10/00
Laboratory ID: 00-36914-12
Matrix: Liquid - WATER
Dilution Factor: 20

Date Sampled: 10-16-00
Time Sampled: 17:15
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (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	546	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	84.8	10.0
78-93-3	2 -Butanone (MEK)	ND	200
156-59-2	cis - 1,2 - Dichloroethene	ND	10.0
74-97-5	Bromochloromethane	ND	10.0
67-66-3	Chloroform (Trichloromethane)	16.6	10.0
594-20-7	2,2 - Dichloropropane	ND	10.0
71-55-6	1,1,1 - Trichloroethane	317	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	5,780	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

COMPLETE ANALYTICAL SERVICES

TRACKING NO. 256119
0101001120



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-8,10/00
Laboratory ID: 00-36914-12

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (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	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	705067	773375	91.2%	50 - 200 %
Fluorobenzene	1496111	1529125	97.8%	50 - 200 %
1,4 - Difluorobenzene	1215256	1323303	91.8%	50 - 200 %
Chlorobenzene - d5	926762	1031734	89.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	372040	411359	90.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.8	108%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



Billings • Casper • Gillette
Helena • Rapid City

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-9.10/00
Laboratory ID: 00-36914-13
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 17:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	6.86	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	1.92	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	1.02	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	27.3	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRACED NO. 1006 NO.

10-24-00 24



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-9.10/00
Laboratory ID: 00-36914-13

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

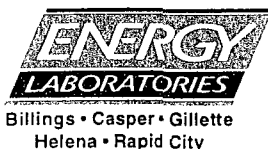
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	744229	773375	96.2%	50 - 200 %
Fluorobenzene	1623294	1529125	106%	50 - 200 %
1,4 - Difluorobenzene	1307028	1323303	98.8%	50 - 200 %
Chlorobenzene - d5	1042364	1031734	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	429098	411359	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.9	109%	86 - 118 %
Toluene - d8	11.0	110%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-10.10/00
Laboratory ID: 00-36914-11
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 16:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRACKING # BASE NO.

9301100-121



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-10.10/00
Laboratory ID: 00-36914-11

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	719980	773375	93.1 %	50 - 200 %
Fluorobenzene	1520237	1529125	99.4 %	50 - 200 %
1,4 - Difluorobenzene	1224879	1323303	92.6 %	50 - 200 %
Chlorobenzene - d5	956088	1031734	92.7 %	50 - 200 %
1,4 - Dichlorobenzene - d4	384523	411359	93.5 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104 %	86 - 118 %
Toluene - d8	11.0	110 %	88 - 110 %
4 - Bromofluorobenzene	10.3	103 %	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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ENERGY LABORATORIES, INC.

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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-11.10/00
Laboratory ID: 00-36914-2
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 10:00
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	1.08	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	10.0	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	1.24	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRACKING NO. 110
93007-11.10/00



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-11.10/00
Laboratory ID: 00-36914-2

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	12.4	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	2.04	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	1.90	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	731796	773375	94.6%	50 - 200 %
Fluorobenzene	1533620	1529125	100%	50 - 200 %
1,4 - Difluorobenzene	1253940	1323303	94.8%	50 - 200 %
Chlorobenzene - d5	990431	1031734	96.0%	50 - 200 %
1,4 - Dichlorobenzene - d4	397050	411359	96.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.8	108%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-12.10/00
Laboratory ID: 00-36914-1
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 09:30
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	1.48	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	3.14	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	2.08	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-12.10/00
Laboratory ID: 00-36914-1

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	737365	773375	95.3%	50 - 200 %
Fluorobenzene	1561903	1529125	102%	50 - 200 %
1,4 - Difluorobenzene	1280444	1323303	96.8%	50 - 200 %
Chlorobenzene - d5	1020879	1031734	98.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	424886	411359	103%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-13.10/00
Laboratory ID: 00-36914-6
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 13:15
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	23.8	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	1.54	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	2.14	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	1.12	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	55.4	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-13.10/00
Laboratory ID: 00-36914-6

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	707111	773375	91.4%	50 - 200 %
Fluorobenzene	1497883	1529125	98.0%	50 - 200 %
1,4 - Difluorobenzene	1221853	1323303	92.3%	50 - 200 %
Chlorobenzene - d5	939744	1031734	91.1%	50 - 200 %
1,4 - Dichlorobenzene - d4	379121	411359	92.2%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-14.10/00
Laboratory ID: 00-36914-3
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 10:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	2.94	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-14.10/00
Laboratory ID: 00-36914-3

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	750567	773375	97.1 %	50 - 200 %
Fluorobenzene	1562715	1529125	102 %	50 - 200 %
1,4 - Difluorobenzene	1272900	1323303	96.2 %	50 - 200 %
Chlorobenzene - d5	1002309	1031734	97.1 %	50 - 200 %
1,4 - Dichlorobenzene - d4	407571	411359	99.1 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104 %	86 - 118 %
Toluene - d8	10.9	109 %	88 - 110 %
4 - Bromofluorobenzene	10.4	104 %	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

TRACKING NO. CASE NO.
000-000000000



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-15.10/00
Laboratory ID: 00-36914-4
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 11:15
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	2.22	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-15.10/00
Laboratory ID: 00-36914-4

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	726897	773375	94.0%	50 - 200 %
Fluorobenzene	1544869	1529125	101%	50 - 200 %
1,4 - Difluorobenzene	1257519	1323303	95.0%	50 - 200 %
Chlorobenzene - d5	979415	1031734	94.9%	50 - 200 %
1,4 - Dichlorobenzene - d4	400621	411359	97.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	10.8	108%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-SS4.10/00
Laboratory ID: 00-36914-5
Matrix: Liquid - WATER
Dilution Factor: 5

Date Sampled: 10-16-00
Time Sampled: 12:00
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	97.3	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	102	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	13.5	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	3.45	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	ND	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	3.20	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	ND	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.50
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-SS4.10/00
Laboratory ID: 00-36914-5

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	ND	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	ND	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	637998	773375	82.5%	50 - 200 %
Fluorobenzene	1349710	1529125	88.3%	50 - 200 %
1,4 - Difluorobenzene	1099597	1323303	83.1%	50 - 200 %
Chlorobenzene - d5	853973	1031734	82.8%	50 - 200 %
1,4 - Dichlorobenzene - d4	347686	411359	84.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.95	99.5%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

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Analyst: JLP

TRACKING NO. PAGE NO.

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-A.10/00
Laboratory ID: 00-36914-16
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 14:45
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	35.4	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	61.2	1.00
78-93-3	2 - Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	4.12	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	7.42	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	13.1	1.00
107-06-2	1,2 - Dichloroethane	2.82	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	1.94	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	1.78	1.00
108-88-3	Toluene	2.24	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	27.4	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRACKING NO. 105410

3691420003



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-A.10/00
Laboratory ID: 00-36914-16

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION ($\mu\text{g/L}$)	REPORT LIMIT ($\mu\text{g/L}$)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	678799	773375	87.8%	50 - 200 %
Fluorobenzene	1479601	1529125	96.8%	50 - 200 %
1,4 - Difluorobenzene	1191925	1323303	90.1%	50 - 200 %
Chlorobenzene - d5	932160	1031734	90.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	373155	411359	90.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.97	99.7%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: 93007-B.10/00
Laboratory ID: 00-36914-17
Matrix: Liquid - WATER
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 18:00
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	6.48	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	1.90	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	1.00	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	27.9	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,1,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

TRACKING NO. PAGE NO.

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COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-B.10/00
Laboratory ID: 00-36914-17

Date Sampled: 10-16-00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	701323	773375	90.7%	50 - 200 %
Fluorobenzene	1512597	1529125	98.9%	50 - 200 %
1,4 - Difluorobenzene	1215741	1323303	91.9%	50 - 200 %
Chlorobenzene - d5	941685	1031734	91.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	384089	411359	93.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.99	99.9%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: TRIP BLANK
Laboratory ID: 00-36914-18
Matrix: Liquid - WATER
Dilution Factor: 1

Date Sampled: NSD
Time Sampled: NST
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: TRIP BLANK
Laboratory ID: 00-36914-18

Date Sampled: NSD
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORT LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2 3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	694738	773375	89.8%	50 - 200 %
Fluorobenzene	1527543	1529125	99.9%	50 - 200 %
1,4 - Difluorobenzene	1219606	1323303	92.2%	50 - 200 %
Chlorobenzene - d5	951939	1031734	92.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	382477	411359	93.0%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	11.0	110%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.1	101%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.5
Sample ID: Method Blank
Laboratory ID: MB1020
Matrix: Liquid - WATER
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date/Time Received: N/A
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORTING LIMIT (µg/L)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	# 1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Method Blank
Laboratory ID: MB1020

Date Sampled: N/A
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (µg/L)	REPORTING LIMIT (µg/L)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	801523	773375	104%	50 - 200 %
Fluorobenzene	1553331	1529125	102%	50 - 200 %
1,4 - Difluorobenzene	1344393	1323303	102%	50 - 200 %
Chlorobenzene - d5	1065865	1031734	103%	50 - 200 %
1,4 - Dichlorobenzene - d4	438110	411359	107%	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	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260 QC RESULTS - MATRIX SPIKE (MS), MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 00-36914-1 through 00-36914-18
Laboratory ID: 00-36914-1 S
Matrix: Liquid - WATER

Date Sampled: 10-16-00
Date/Time Received: 10-19-00 10:00
Date Analyzed: 10-20-00
Date Reported: October 24, 2000

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	773375	718390	92.9%	701308	90.7%	50 - 200 %
Fluorobenzene	1529125	1540789	101%	1536687	100%	50 - 200 %
1,4 - Difluorobenzene	1323303	1275626	96.4%	1259194	95.2%	50 - 200 %
Chlorobenzene - d5	1031734	1011420	98.0%	992393	96.2%	50 - 200 %
1,4 - Dichlorobenzene-d4	411359	419098	102%	405163	98.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	10.9	109%	11.0	110%	86 - 118 %
Toluene - d8	10.9	109%	10.9	109%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	10.7	107%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.2	102%	10.3	103%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(µg/L) *	(µg/L)	RECOVERY	RANGE
Vinyl chloride	11.1	ND	10.0	111%	80 - 120 %
1,1 - Dichloroethene	10.5	0.07	10.0	105%	80 - 120 %
2 - Butanone (MEK)	11.8	ND	10.0	118%	80 - 120 %
Chloroform	11.8	ND	10.0	118%	80 - 120 %
1,2 - Dichloroethane	11.3	ND	10.0	113%	80 - 120 %
Carbon tetrachloride	10.6	ND	10.0	106%	80 - 120 %
Benzene	10.1	ND	10.0	101%	80 - 120 %
Trichloroethene	10.4	ND	10.0	104%	80 - 120 %
Tetrachloroethene	9.61	0.10	10.0	95.1%	80 - 120 %
Chlorobenzene	10.0	ND	10.0	100%	80 - 120 %
1,4 - Dichlorobenzene	9.58	ND	10.0	95.8%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD
	CONCENTRATION	(µg/L) *	(µg/L)	RECOVERY	LIMITS
Vinyl chloride	11.2	ND	10.0	112%	1.4%
1,1 - Dichloroethene	10.7	0.07	10.0	106%	1.4%
2 - Butanone (MEK)	12.0	ND	10.0	120%	1.9%
Chloroform	11.9	ND	10.0	119%	0.6%
1,2 - Dichloroethane	11.3	ND	10.0	113%	0.1%
Carbon tetrachloride	10.6	ND	10.0	106%	0.0%
Benzene	10.2	ND	10.0	102%	0.0%
Trichloroethene	10.3	ND	10.0	103%	0.5%
Tetrachloroethene	9.72	0.10	10.0	96.2%	1.2%
Chlorobenzene	10.1	ND	10.0	101%	1.2%
1,4 - Dichlorobenzene	9.92	ND	10.0	99.2%	3.5%

* Concentration does not include dilution correction

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:

Analyst: JLP

Reviewed:

See: reports\clients\2000\western_water_consultants\casper_00-36914-1-18_8260b_std_1-w.xls

TRACKING PAGE NO.

00-36914-1-18-1

COMPLETE ANALYTICAL SERVICES

CHAIN OF CUSTODY RECORD AND SAMPLING SHIPPING PAPERS

PROJECT NO. PROJECT NAME				CONTAINER TYPE		REMARKS
93007.5				Acrylic		
SAMPLERS: (signature) <i>Rick Dardell</i>				NO. OF CONTAINERS		REMARKS 1 OF 2
SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLE TYPE	
93007-12.10.00	12/10/00	09:30		X	WATER	EPA 8260
93007-11.10.00		10:00				
93007-14.10.00		10:45				
93007-15.10.00		11:15				
93007-554.10.00		12:00				
93007-13.10.00		13:15				
93007-5.10.00		13:45				
93007-6.10.00		14:30				
93007-3.10.00		15:00				
93007-7.10.00		15:30				
93007-10.10.00		16:45				
Relinquished by: (signature) <i>Rick Dardell</i>			Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time
Relinquished by: (signature)			Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time
Relinquished by: (signature)			Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time
Relinquished by: (signature)			Date / Time	Received by: (signature)	Relinquished by: (signature)	Date / Time

REMARKS:

DISTRIBUTION: White - ORIG. RETURN TO WWC

**Western
Water
Consultants, Inc.**

REMARKS:

DISTRIBUTION: White — ORIG. RETURN TO WWWC



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
 Project: None
 Sample ID: 93007-UST.1/00
 Laboratory ID: 00-30447-1
 Matrix: Air
 Dilution Factor: 2

Date Sampled: 01-25-00
 Time Sampled: 15:40
 Date Received: 01-26-00
 Date Analyzed: 01-26-00
 Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (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
78-93-3	2 -Butanone (MEK)	ND	20.0
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	27.6	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



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-UST.1/00
Laboratory ID: 00-30447-1

Date Sampled: 01-25-00
Date Analyzed: 01-26-00
Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (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

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT	ACCEPTANCE
			RECOVERY	RANGE
Pentafluorobenzene	1172161	1150007	102%	50 - 200 %
Fluorobenzene	1172781	1180803	99.3%	50 - 200 %
1,4 - Difluorobenzene	1165605	1185881	98.3%	50 - 200 %
Chlorobenzene - d5	727660	738402	98.5%	50 - 200 %
1,4 - Dichlorobenzene - d4	306761	327922	93.5%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT	ACCEPTANCE
		RECOVERY	RANGE
Dibromofluoromethane	9.11	91.1%	86 - 118 %
Toluene - d8	10.1	101%	88 - 110 %
4 - Bromofluorobenzene	9.95	99.5%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.92	99.2%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: None
Sample ID: 93007-WP.1/00
Laboratory ID: 00-30447-2
Matrix: Air
Dilution Factor: 5

Date Sampled: 01-25-00
Time Sampled: 15:50
Date Received: 01-26-00
Date Analyzed: 12-07-99
Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	2.5
74-87-3	Chloromethane	ND	2.5
75-01-4	Vinyl chloride (Chloroethene)	ND	2.5
74-83-9	Bromomethane	ND	2.5
75-00-3	Chloroethane	ND	2.5
75-69-4	Trichlorofluoromethane	ND	2.5
75-35-4	1,1 - Dichloroethene	ND	2.5
75-09-2	Methylene chloride (Dichloromethane)	ND	2.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.5
75-34-3	1,1 - Dichloroethane	ND	2.5
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.5
74-97-5	Bromochloromethane	ND	2.5
67-66-3	Chloroform (Trichloromethane)	ND	2.5
594-20-7	2,2 - Dichloropropane	ND	2.5
71-55-6	1,1,1 - Trichloroethane	6.90	2.5
107-06-2	1,2 - Dichloroethane	ND	2.5
563-58-6	1,1 - Dichloropropene	ND	2.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.5
71-43-2	Benzene	ND	2.5
74-95-3	Dibromomethane	ND	2.5
78-87-5	1,2 - Dichloropropane	ND	2.5
79-01-6	Trichloroethene	ND	2.5
75-27-4	Bromodichloromethane	ND	2.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.5
79-00-5	1,1,2 - Trichloroethane	ND	2.5
108-88-3	Toluene	20.3	2.5
106-93-4	1,2 - Dibromoethane	ND	2.5
142-28-9	1,3 - Dichloropropane	ND	2.5
124-48-1	Dibromochloromethane	ND	2.5
127-18-4	Tetrachloroethene	34.6	2.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.5
108-90-7	Chlorobenzene	ND	2.5
100-41-4	Ethylbenzene	10.2	2.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	32.5	5.0
75-25-2	Bromoform (Tribromomethane)	ND	2.5
100-42-5	Styrene (Ethenylbenzene)	ND	2.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	28.6	2.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.5
96-18-4	1,2,3 - Trichloropropane	ND	2.5

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-WP.1/00
Laboratory ID: 00-30447-2

Date Sampled: 01-25-00
Date Analyzed: 12-07-99
Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	5.50	2.5
108-86-1	Bromobenzene	ND	2.5
103-65-1	n - Propylbenzene	ND	2.5
95-49-8	2 - Chlorotoluene	ND	2.5
106-43-4	4 - Chlorotoluene	ND	2.5
108-67-8	1,3,5 - Trimethylbenzene	67.5	2.5
98-06-6	tert - Butylbenzene	ND	2.5
95-63-6	1,2,4 - Trimethylbenzene	63.9	2.5
135-98-8	sec - Butylbenzene	ND	2.5
541-73-1	1,3 - Dichlorobenzene	ND	2.5
106-46-7	1,4 - Dichlorobenzene	ND	2.5
99-87-6	4-Isopropyltoluene	ND	2.5
95-50-1	1,2 - Dichlorobenzene	ND	2.5
104-51-8	n - Butylbenzene	ND	2.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.5
91-20-3	Naphthalene	ND	2.5
87-68-3	Hexachlorobutadiene	ND	2.5
87-61-6	1,2 3 - Trichlorobenzene	ND	2.5

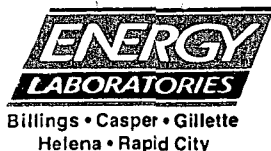
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1186945	1150007	103%	50 - 200 %
Fluorobenzene	1223786	1180803	104%	50 - 200 %
1,4 - Difluorobenzene	1223249	1185881	103%	50 - 200 %
Chlorobenzene - d5	770159	738402	104%	50 - 200 %
1,4 - Dichlorobenzene - d4	340358	327922	104%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.48	94.8%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
 Project: None
 Sample ID: 93007-AD.1/00
 Laboratory ID: 00-30447-3
 Matrix: Air
 Dilution Factor: 1

Date Sampled: 01-25-00
 Time Sampled: 16:00
 Date Received: 01-26-00
 Date Analyzed: 12-07-99
 Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	0.5
74-87-3	Chloromethane	ND	0.5
75-01-4	Vinyl chloride (Chloroethene)	ND	0.5
74-83-9	Bromomethane	ND	0.5
75-00-3	Chloroethane	ND	0.5
75-69-4	Trichlorofluoromethane	ND	0.5
75-35-4	1,1 - Dichloroethene	ND	0.5
75-09-2	Methylene chloride (Dichloromethane)	ND	0.5
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.5
75-34-3	1,1 - Dichloroethane	ND	0.5
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	0.5
74-97-5	Bromochloromethane	ND	0.5
67-66-3	Chloroform (Trichloromethane)	ND	0.5
594-20-7	2,2 - Dichloropropane	ND	0.5
71-55-6	1,1,1 - Trichloroethane	ND	0.5
107-06-2	1,2 - Dichloroethane	ND	0.5
563-58-6	1,1 - Dichloropropene	ND	0.5
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.5
71-43-2	Benzene	ND	0.5
74-95-3	Dibromomethane	ND	0.5
78-87-5	1,2 - Dichloropropane	ND	0.5
79-01-6	Trichloroethene	ND	0.5
75-27-4	Bromodichloromethane	ND	0.5
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.5
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.5
79-00-5	1,1,2 - Trichloroethane	ND	0.5
108-88-3	Toluene	ND	0.5
106-93-4	1,2 - Dibromoethane	ND	0.5
142-28-9	1,3 - Dichloropropane	ND	0.5
124-48-1	Dibromochloromethane	ND	0.5
127-18-4	Tetrachloroethene	ND	0.5
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.5
108-90-7	Chlorobenzene	ND	0.5
100-41-4	Ethylbenzene	ND	0.5
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	0.5
100-42-5	Styrene (Ethenylbenzene)	ND	0.5
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.5
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.5
96-18-4	1,2,3 - Trichloropropane	ND	0.5

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-AD.1/00
Laboratory ID: 00-30447-3

Date Sampled: 01-25-00
Date Analyzed: 12-07-99
Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.5
108-86-1	Bromobenzene	ND	0.5
103-65-1	n - Propylbenzene	ND	0.5
95-49-8	2 - Chlorotoluene	ND	0.5
106-43-4	4 - Chlorotoluene	ND	0.5
108-67-8	1,3,5 - Trimethylbenzene	ND	0.5
98-06-6	tert - Butylbenzene	ND	0.5
95-63-6	1,2,4 - Trimethylbenzene	ND	0.5
135-98-8	sec - Butylbenzene	ND	0.5
541-73-1	1,3 - Dichlorobenzene	ND	0.5
106-46-7	1,4 - Dichlorobenzene	ND	0.5
99-87-6	4-Isopropyltoluene	ND	0.5
95-50-1	1,2 - Dichlorobenzene	ND	0.5
104-51-8	n - Butylbenzene	ND	0.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.5
120-82-1	1,2,4 - Trichlorobenzene	ND	0.5
91-20-3	Naphthalene	ND	0.5
87-68-3	Hexachlorobutadiene	ND	0.5
87-61-6	1,2,3 - Trichlorobenzene	ND	0.5

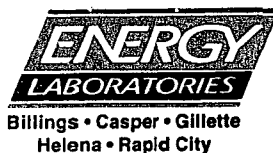
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1177212	1150007	102 %	50 - 200 %
Fluorobenzene	1193527	1180803	101 %	50 - 200 %
1,4 - Difluorobenzene	1201730	1185881	101 %	50 - 200 %
Chlorobenzene - d5	743364	738402	101 %	50 - 200 %
1,4 - Dichlorobenzene - d4	310146	327922	94.6 %	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.23	92.3 %	86 - 118 %
Toluene - d8	9.98	99.8 %	88 - 110 %
4 - Bromofluorobenzene	10.1	101 %	86 - 115 %
1,2 - Dichlorobenzene - d4	10.5	105 %	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
 Project: None
 Sample ID: Air Method Blank
 Laboratory ID: AMB0126
 Matrix: Air
 Dilution Factor: 1

Date Sampled: N/A
 Time Sampled: N/A
 Date Received: N/A
 Date Analyzed: 01-26-00
 Date Reported: February 8, 2000

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

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Air Method Blank
Laboratory ID: AMB0126

Date Sampled: N/A
Date Analyzed: 01-26-00
Date Reported: February 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.5
108-86-1	Bromobenzene	ND	0.5
103-65-1	n - Propylbenzene	ND	0.5
95-49-8	2 - Chlorotoluene	ND	0.5
106-43-4	4 - Chlorotoluene	ND	0.5
108-67-8	1,3,5 - Trimethylbenzene	ND	0.5
98-06-6	tert - Butylbenzene	ND	0.5
95-63-6	1,2,4 - Trimethylbenzene	ND	0.5
135-98-8	sec - Butylbenzene	ND	0.5
541-73-1	1,3 - Dichlorobenzene	ND	0.5
106-46-7	1,4 - Dichlorobenzene	ND	0.5
99-87-6	4-Isopropyltoluene	ND	0.5
95-50-1	1,2 - Dichlorobenzene	ND	0.5
104-51-8	n - Butylbenzene	ND	0.5
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.5
120-82-1	1,2,4 - Trichlorobenzene	ND	0.5
91-20-3	Naphthalene	ND	0.5
87-68-3	Hexachlorobutadiene	ND	0.5
87-61-6	1,2,3 - Trichlorobenzene	ND	0.5

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1203392	1150007	105%	50 - 200 %
Fluorobenzene	1243661	1180803	105%	50 - 200 %
1,4 - Difluorobenzene	1230594	1185881	104%	50 - 200 %
Chlorobenzene - d5	778238	738402	105%	50 - 200 %
1,4 - Dichlorobenzene - d4	316738	327922	96.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	9.36	93.6%	86 - 118 %
Toluene - d8	10.2	102%	88 - 110 %
4 - Bromofluorobenzene	9.96	99.6%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 00-30447-1 through 00-30447-3
Laboratory ID: 00-30447-3
Matrix: Air

Date Sampled: 01-25-00
Date Received: 01-26-00
Date Analyzed: 01-26-00
Date Reported: February 8, 2000

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	1150007	1196783	104%	1140706	99.2%	50 - 200 %
Fluorobenzene	1180803	1256108	106%	1187515	101%	50 - 200 %
1,4 - Difluorobenzene	1185881	1247311	105%	1180527	99.5%	50 - 200 %
Chlorobenzene - d5	738402	777751	105%	746900	101%	50 - 200 %
1,4 - Dichlorobenzene-d4	327922	321095	97.9%	302954	92.4%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	9.73	97.3%	9.77	97.7%	86 - 118 %
Toluene - d8	9.86	98.6%	9.95	99.5%	88 - 110 %
4 - Bromofluorobenzene	9.86	98.6%	9.78	97.8%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.2	102%	10.2	102%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	RANGE
Vinyl chloride	8.53	ND	10.0	85.3%	80 - 120 %
Chloroform	9.35	ND	10.0	93.5%	80 - 120 %
1,2 - Dichloroethane	9.34	ND	10.0	93.4%	80 - 120 %
Carbon tetrachloride	9.80	ND	10.0	98.0%	80 - 120 %
Benzene	9.74	ND	10.0	97.4%	80 - 120 %
Trichloroethene	9.91	ND	10.0	99.1%	80 - 120 %
Tetrachloroethene	9.71	ND	10.0	97.1%	80 - 120 %
Chlorobenzene	9.45	ND	10.0	94.5%	80 - 120 %
1,4 - Dichlorobenzene	9.31	ND	10.0	93.1%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	LIMITS
Vinyl chloride	8.59	ND	10.0	85.9%	0.7%
Chloroform	9.52	ND	10.0	95.2%	1.8%
1,2 - Dichloroethane	9.56	ND	10.0	95.6%	2.4%
Carbon tetrachloride	9.94	ND	10.0	99.4%	1.4%
Benzene	9.93	ND	10.0	99.3%	2.0%
Trichloroethene	10.2	ND	10.0	102%	2.4%
Tetrachloroethene	10.0	ND	10.0	100%	3.0%
Chlorobenzene	9.58	ND	10.0	95.8%	1.4%
1,4 - Dichlorobenzene	9.62	ND	10.0	96.2%	3.3%

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:

STEVEN A. COLLINS
DATA COLLECTION

Analyst: yw

Reviewed:

see: r: reports clients\2000\western_water_consultants\casper_org_30447-1-3_8260_axis

COMPLETE ANALYTICAL SERVICES

**Western
Water
Consultants, Inc.**

[illegible]



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PHONE: (307) 235-0515 • TOLL FREE: (888) 235-0515

LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L.1
Sample ID: 93007-UST.4/00
Laboratory ID: 00-32105-1
Matrix: Gas - AIR
Dilution Factor: 2

Date Sampled: 04-17-00
Time Sampled: 13:40
Date Received: 04-18-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	2.00
74-87-3	Chloromethane	ND	2.00
75-01-4	Vinyl chloride (Chloroethene)	ND	2.00
74-83-9	Bromomethane	ND	2.00
75-00-3	Chloroethane	ND	2.00
75-69-4	Trichlorofluoromethane	ND	2.00
75-35-4	1,1 - Dichloroethene	ND	2.00
75-09-2	Methylene chloride (Dichloromethane)	ND	2.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.00
75-34-3	1,1 - Dichloroethane	ND	2.00
78-93-3	2 -Butanone (MEK)	ND	40.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.00
74-97-5	Bromochloromethane	ND	2.00
67-66-3	Chloroform (Trichloromethane)	ND	2.00
594-20-7	2,2 - Dichloropropane	ND	2.00
71-55-6	1,1,1 - Trichloroethane	ND	2.00
107-06-2	1,2 - Dichloroethane	ND	2.00
563-58-6	1,1 - Dichloropropene	ND	2.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.00
71-43-2	Benzene	ND	2.00
74-95-3	Dibromomethane	ND	2.00
78-87-5	1,2 - Dichloropropane	ND	2.00
79-01-6	Trichloroethene	ND	2.00
75-27-4	Bromodichloromethane	ND	2.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.00
79-00-5	1,1,2 - Trichloroethane	ND	2.00
108-88-3	Toluene	ND	2.00
106-93-4	1,2 - Dibromoethane	ND	2.00
142-28-9	1,3 - Dichloropropane	ND	2.00
124-48-1	Dibromochloromethane	ND	2.00
127-18-4	Tetrachloroethene	36.2	2.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.00
108-90-7	Chlorobenzene	ND	2.00
100-41-4	Ethylbenzene	ND	2.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	4.00
75-25-2	Bromoform (Tribromomethane)	ND	2.00
100-42-5	Styrene (Ethenylbenzene)	ND	2.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	2.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.00
96-18-4	1,2,3 - Trichloropropane	ND	2.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-UST.4/00
Laboratory ID: 00-32105-1

Date Sampled: 04-17-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	2.00
108-86-1	Bromobenzene	ND	2.00
103-65-1	n - Propylbenzene	ND	2.00
95-49-8	2 - Chlorotoluene	ND	2.00
106-43-4	4 - Chlorotoluene	ND	2.00
108-67-8	1,3,5 - Trimethylbenzene	ND	2.00
98-06-6	tert - Butylbenzene	ND	2.00
95-63-6	1,2,4 - Trimethylbenzene	ND	2.00
135-98-8	sec - Butylbenzene	ND	2.00
541-73-1	1,3 - Dichlorobenzene	ND	2.00
106-46-7	1,4 - Dichlorobenzene	ND	2.00
99-87-6	4-Isopropyltoluene	ND	2.00
95-50-1	1,2 - Dichlorobenzene	ND	2.00
104-51-8	n - Butylbenzene	ND	2.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	10.0
120-82-1	1,2,4 - Trichlorobenzene	ND	2.00
91-20-3	Naphthalene	ND	2.00
87-68-3	Hexachlorobutadiene	ND	2.00
87-61-6	1,2 3 - Trichlorobenzene	ND	2.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1241943	1170265	106%	50 - 200 %
Fluorobenzene	2208243	2083526	106%	50 - 200 %
1,4 - Difluorobenzene	1969490	1838986	107%	50 - 200 %
Chlorobenzene - d5	1442616	1261507	114%	50 - 200 %
1,4 - Dichlorobenzene - d4	564858	475290	119%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.7	107%	86 - 118 %
Toluene - d8	9.78	97.8%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L.1
Sample ID: 93007-WP.4/00
Laboratory ID: 00-32105-2
Matrix: Gas - AIR
Dilution Factor: 5

Date Sampled: 04-17-00
Time Sampled: 13:45
Date Received: 04-18-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	5.00
74-87-3	Chloromethane	ND	5.00
75-01-4	Vinyl chloride (Chloroethene)	ND	5.00
74-83-9	Bromomethane	ND	5.00
75-00-3	Chloroethane	ND	5.00
75-69-4	Trichlorofluoromethane	ND	5.00
75-35-4	1,1 - Dichloroethene	ND	5.00
75-09-2	Methylene chloride (Dichloromethane)	ND	5.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	5.00
75-34-3	1,1 - Dichloroethane	ND	5.00
78-93-3	2 -Butanone (MEK)	ND	100
156-59-2	cis - 1,2 - Dichloroethene	ND	5.00
74-97-5	Bromochloromethane	ND	5.00
67-66-3	Chloroform (Trichloromethane)	ND	5.00
594-20-7	2,2 - Dichloropropane	ND	5.00
71-55-6	1,1,1 - Trichloroethane	5.00	5.00
107-06-2	1,2 - Dichloroethane	ND	5.00
563-58-6	1,1 - Dichloropropene	ND	5.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	5.00
71-43-2	Benzene	ND	5.00
74-95-3	Dibromomethane	ND	5.00
78-87-5	1,2 - Dichloropropane	ND	5.00
79-01-6	Trichloroethene	ND	5.00
75-27-4	Bromodichloromethane	ND	5.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	5.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	5.00
79-00-5	1,1,2 - Trichloroethane	ND	5.00
108-88-3	Toluene	14.1	5.00
106-93-4	1,2 - Dibromoethane	ND	5.00
142-28-9	1,3 - Dichloropropane	ND	5.00
124-48-1	Dibromochloromethane	ND	5.00
127-18-4	Tetrachloroethene	26.2	5.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	5.00
108-90-7	Chlorobenzene	ND	5.00
100-41-4	Ethylbenzene	7.45	5.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	21.4	10.0
75-25-2	Bromoform (Tribromomethane)	ND	5.00
100-42-5	Styrene (Ethenylbenzene)	ND	5.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	19.7	5.00
79-34-5	1,1,2,2 - Tetrachloroethane	6.55	5.00
96-18-4	1,2,3 - Trichloropropane	ND	5.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-WP.4/00
Laboratory ID: 00-32105-2

Date Sampled: 04-17-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	5.00
108-86-1	Bromobenzene	ND	5.00
103-65-1	n - Propylbenzene	ND	5.00
95-49-8	2 - Chlorotoluene	ND	5.00
106-43-4	4 - Chlorotoluene	ND	5.00
108-67-8	1,3,5 - Trimethylbenzene	54.2	5.00
98-06-6	tert - Butylbenzene	ND	5.00
95-63-6	1,2,4 - Trimethylbenzene	37.9	5.00
135-98-8	sec - Butylbenzene	ND	5.00
541-73-1	1,3 - Dichlorobenzene	ND	5.00
106-46-7	1,4 - Dichlorobenzene	ND	5.00
99-87-6	4-Isopropyltoluene	ND	5.00
95-50-1	1,2 - Dichlorobenzene	ND	5.00
104-51-8	n - Butylbenzene	ND	5.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	25.0
120-82-1	1,2,4 - Trichlorobenzene	ND	5.00
91-20-3	Naphthalene	ND	5.00
87-68-3	Hexachlorobutadiene	ND	5.00
87-61-6	1,2,3 - Trichlorobenzene	ND	5.00

ND - Analyte not detected at stated limit of detection

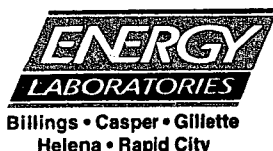
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1219011	1170265	104%	50 - 200 %
Fluorobenzene	2152033	2083526	103%	50 - 200 %
1,4 - Difluorobenzene	1929132	1838986	105%	50 - 200 %
Chlorobenzene - d5	1381729	1261507	110%	50 - 200 %
1,4 - Dichlorobenzene - d4	533741	475290	112%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	9.66	96.6%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.98	99.8%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L.1
Sample ID: 93007-AD.4/00
Laboratory ID: 00-32105-3
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: 04-17-00
Time Sampled: 13:50
Date Received: 04-18-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-AD.4/00
Laboratory ID: 00-32105-3

Date Sampled: 04-17-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT	ACCEPTANCE
			RECOVERY	RANGE
Pentafluorobenzene	1237721	1170265	106%	50 - 200 %
Fluorobenzene	2192294	2083526	105%	50 - 200 %
1,4 - Difluorobenzene	1936702	1838986	105%	50 - 200 %
Chlorobenzene - d5	1404465	1261507	111%	50 - 200 %
1,4 - Dichlorobenzene - d4	544847	475290	115%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT	ACCEPTANCE
		RECOVERY	RANGE
Dibromofluoromethane	10.5	105%	86 - 118 %
Toluene - d8	9.76	97.6%	88 - 110 %
4 - Bromofluorobenzene	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.2	102%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007L.1
Sample ID: Air Method Blank
Laboratory ID: AMB0418
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date Received: N/A
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Air Method Blank
Laboratory ID: AMB0418

Date Sampled: N/A
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	1263889	1170265	108%	50 - 200 %
Fluorobenzene	2239114	2083526	107%	50 - 200 %
1,4 - Difluorobenzene	1992408	1838986	108%	50 - 200 %
Chlorobenzene - d5	1432726	1261507	114%	50 - 200 %
1,4 - Dichlorobenzene - d4	543807	475290	114%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.4	104%	86 - 118 %
Toluene - d8	9.68	96.8%	88 - 110 %
4 - Bromofluorobenzene	9.97	99.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	9.97	99.7%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 00-32105-1 through 00-32105-3
Laboratory ID: 00-32105-3 S
Matrix: Gas - AIR

Date Sampled: 04-17-00
Date Received: 04-18-00
Date Analyzed: 04-18-00
Date Reported: May 1, 2000

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	1170265	1188385	102%	1199118	102%	50 - 200 %
Fluorobenzene	2083526	2128684	102%	2119661	102%	50 - 200 %
1,4 - Difluorobenzene	1838986	1904343	104%	1905448	104%	50 - 200 %
Chlorobenzene - d5	1261507	1385980	110%	1376852	109%	50 - 200 %
1,4 - Dichlorobenzene-d4	475290	542116	114%	531471	112%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	10.7	107%	10.5	105%	86 - 118 %
Toluene - d8	9.84	98.4%	9.74	97.4%	88 - 110 %
4 - Bromofluorobenzene	10.1	101%	10.2	102%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.2	102%	10.3	103%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	RANGE
Vinyl chloride	8.66	ND	10.0	86.6%	80 - 120 %
Chloroform	10.4	ND	10.0	104%	80 - 120 %
1,2 - Dichloroethane	11.0	ND	10.0	110%	80 - 120 %
Carbon tetrachloride	10.3	ND	10.0	103%	80 - 120 %
Benzene	10.2	ND	10.0	102%	80 - 120 %
Trichloroethene	9.81	ND	10.0	98.1%	80 - 120 %
Tetrachloroethene	9.85	ND	10.0	98.5%	80 - 120 %
Chlorobenzene	9.90	ND	10.0	99.0%	80 - 120 %
1,4 - Dichlorobenzene	9.10	ND	10.0	91.0%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	LIMITS
Vinyl chloride	8.81	ND	10.0	88.1%	10 %
Chloroform	10.5	ND	10.0	105%	10 %
1,2 - Dichloroethane	11.1	ND	10.0	111%	10 %
Carbon tetrachloride	10.4	ND	10.0	104%	10 %
Benzene	10.3	ND	10.0	103%	10 %
Trichloroethene	9.87	ND	10.0	98.7%	10 %
Tetrachloroethene	10.1	ND	10.0	101%	10 %
Chlorobenzene	10.1	ND	10.0	101%	10 %
1,4 - Dichlorobenzene	9.54	ND	10.0	95.4%	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:

see: r:\reports\clients\2000\western_water_consultants\casper_org\32105-1-3_8260b_std_g-a.xls

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UPS/FedEx Deliveries: 2393 Salt Creek Highway • Casper, WY • 82601

For Sample Tracking Purposes, Please Provide Contact Name and Telephone #'s as Indicated

(SEE BACK OF FORM FOR EXAMPLES AND INSTRUCTIONS)

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/ Bid

Type of Analyses Requested

Special Requests

Number of containers
Sample Type: A W S V U O
Water Soils/solids Vegetation Urine Other

430272.1

Name / Phone # / Fax #

Western winter-sultans, H.

(3-7) 742-0031

Send Invoice to:

Send Invoice to:
Walter D. Skidmore
1155 Kensington Ave.
Brooklyn 16, N.Y.

62-882070

Send Report to:

As above!

Sample I.D.

4/1/00	1340	X	93007-AST-4/00
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93007-00P.4/00

1350	X	93007-AD. 4100
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41

1. Sampler: (signature)

Received by: (signature)

Date _____

Date	Time
4/17/20	1430

Received by: (signature)

3. Relinquished by: (signature)

Received by: (signature)

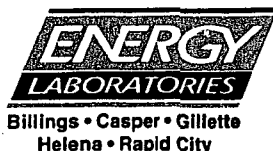
ature)

Date _____

Received at Laboratory by:

(signature)

48010002



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: None
Sample ID: 93007-UST.7/00
Laboratory ID: 00-34647-1
Matrix: Gas - AIR
Dilution Factor: 2

Date Sampled: 07-25-00
Time Sampled: 16:25
Date Received: 07-26-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1,2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	41.9	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-UST.7/00
Laboratory ID: 00-34647-1

Date Sampled: 07-25-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

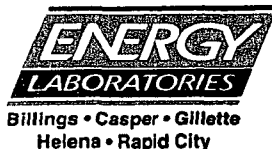
RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT	ACCEPTANCE
		AREA	RECOVERY	RANGE
Pentafluorobenzene	361426	386683	93.5%	50 - 200 %
Fluorobenzene	627541	652762	96.1%	50 - 200 %
1,4 - Difluorobenzene	535344	549522	97.4%	50 - 200 %
Chlorobenzene - d5	420474	432251	97.3%	50 - 200 %
1,4 - Dichlorobenzene - d4	181045	216091	83.8%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT	ACCEPTANCE
Dibromofluoromethane	11.2	112%	86 - 118 %
Toluene - d8	9.89	98.9%	88 - 110 %
4 - Bromofluorobenzene	9.67	96.7%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.5	105%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: None
Sample ID: 93007-WP.7/00
Laboratory ID: 00-34647-2
Matrix: Gas - AIR
Dilution Factor: 5

Date Sampled: 07-25-00
Time Sampled: 16:20
Date Received: 07-26-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	ND	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1,2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	ND	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	3.25	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	8.20	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	18.1	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	3.75	2.50
108-38-3	m,p - Nylenes (1,3- & 1,4-Dimethylbenzene)	11.6	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	11.1	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: None
Sample ID: 93007-AD-7/00
Laboratory ID: 00-34647-3
Matrix: Gas - AIR
Dilution Factor: 2

Date Sampled: 07-25-00
Time Sampled: 16:10
Date Received: 07-26-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-AD-7/00
Laboratory ID: 00-34647-3

Date Sampled: 07-25-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	359334	386683	92.9%	50 - 200 %
Fluorobenzene	615637	652762	94.3%	50 - 200 %
1,4 - Difluorobenzene	531095	549522	96.6%	50 - 200 %
Chlorobenzene - d5	409213	432251	94.7%	50 - 200 %
1,4 - Dichlorobenzene - d4	189371	216091	87.6%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	11.1	111%	86 - 118 %
Toluene - d8	9.82	98.2%	88 - 110 %
4 - Bromofluorobenzene	9.91	99.1%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.5	105%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

see r:reports\clients\2000\western_water_consultants\casper_org\34647-1-3_8260b_std_g-a.xls

Analyst: VW

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34647-1-3-8260B-005



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: None
Sample ID: Air Method Blank
Laboratory ID: AMB0726
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date Received: N/A
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	ND	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

TRACKING NO. PAGE NO.

COMPLETE ANALYTICAL SERVICES

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Air Method Blank
Laboratory ID: AMB0726

Date Sampled: N/A
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	390338	386683	101%	50 - 200 %
Fluorobenzene	664718	652762	102%	50 - 200 %
1,4 - Difluorobenzene	576917	549522	105%	50 - 200 %
Chlorobenzene - d5	438412	432251	101%	50 - 200 %
1,4 - Dichlorobenzene - d4	191628	216091	88.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.8	108%	86 - 118 %
Toluene - d8	9.74	97.4%	88 - 110 %
4 - Bromofluorobenzene	9.70	97.0%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

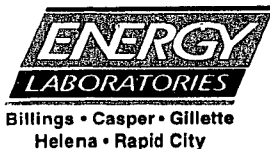
METHODS USED IN THIS ANALYSIS:
EPA 5030B, EPA 8260B

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Analyst: VSW

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 00-34647-1
Laboratory ID: 00-34647-3 S
Matrix: Gas - AIR

Date Sampled: 07-25-00
Date Received: 07-26-00
Date Analyzed: 07-26-00
Date Reported: August 8, 2000

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE	%	SPIKE DUPLICATE	%	ACCEPTANCE
	AREA	AREA		AREA		RANGE
Pentafluorobenzene	386683	378288	97.8%	368744	95.4%	50 - 200 %
Fluorobenzene	652762	657932	101%	642305	98.4%	50 - 200 %
1,4 - Difluorobenzene	549522	556232	101%	542618	98.7%	50 - 200 %
Chlorobenzene - d5	432251	427811	99.0%	413028	95.6%	50 - 200 %
1,4 - Dichlorobenzene-d4	216091	184641	85.4%	176510	81.7%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	10.7	107%	10.8	108%	86 - 118 %
Toluene - d8	9.91	99.1%	9.83	98.3%	88 - 110 %
4 - Bromofluorobenzene	9.61	96.1%	9.49	94.9%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.2	102%	10.5	105%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	RANGE
Vinyl chloride	10.1	ND	10.0	101%	80 - 120 %
Chloroform	10.3	ND	10.0	103%	80 - 120 %
1,2 - Dichloroethane	10.4	ND	10.0	104%	80 - 120 %
Carbon tetrachloride	9.65	ND	10.0	96.5%	80 - 120 %
Benzene	9.53	ND	10.0	95.3%	80 - 120 %
Trichloroethene	9.59	ND	10.0	95.9%	80 - 120 %
Tetrachloroethene	8.73	ND	10.0	87.3%	80 - 120 %
Chlorobenzene	9.60	ND	10.0	96.0%	80 - 120 %
1,4 - Dichlorobenzene	9.73	ND	10.0	97.3%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	LIMITS
Vinyl chloride	9.67	ND	10.0	96.7%	4.0%
Chloroform	10.2	ND	10.0	102%	1.6%
1,2 - Dichloroethane	10.3	ND	10.0	103%	0.8%
Carbon tetrachloride	9.42	ND	10.0	94.2%	2.4%
Benzene	9.34	ND	10.0	93.4%	2.0%
Trichloroethene	9.54	ND	10.0	95.4%	0.5%
Tetrachloroethene	8.56	ND	10.0	85.6%	1.9%
Chlorobenzene	9.72	ND	10.0	97.2%	1.3%
1,4 - Dichlorobenzene	9.95	ND	10.0	99.5%	2.3%

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

Analyst: JW

Report Approved by:

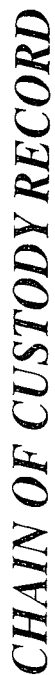
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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.1
Sample ID: 93007-WP.10/00
Laboratory ID: 00-36851-1
Matrix: Gas - AIR
Dilution Factor: 5

Date Sampled: 10-16-00
Time Sampled: 15:45
Date/Time Received: 10-17-00 10:20
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	2.50
74-87-3	Chloromethane	ND	2.50
75-01-4	Vinyl chloride (Chloroethene)	ND	2.50
74-83-9	Bromomethane	ND	2.50
75-00-3	Chloroethane	ND	2.50
75-69-4	Trichlorofluoromethane	ND	2.50
75-35-4	1,1 - Dichloroethene	ND	2.50
75-09-2	Methylene chloride (Dichloromethane)	ND	2.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	2.50
75-34-3	1,1 - Dichloroethane	ND	2.50
78-93-3	2 -Butanone (MEK)	ND	50.0
156-59-2	cis - 1,2 - Dichloroethene	ND	2.50
74-97-5	Bromochloromethane	ND	2.50
67-66-3	Chloroform (Trichloromethane)	ND	2.50
594-20-7	2,2 - Dichloropropane	ND	2.50
71-55-6	1,1,1 - Trichloroethane	2.85	2.50
107-06-2	1,2 - Dichloroethane	ND	2.50
563-58-6	1,1 - Dichloropropene	ND	2.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	2.50
71-43-2	Benzene	ND	2.50
74-95-3	Dibromomethane	ND	2.50
78-87-5	1,2 - Dichloropropane	ND	2.50
79-01-6	Trichloroethene	ND	2.50
75-27-4	Bromodichloromethane	ND	2.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	2.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	2.50
79-00-5	1,1,2 - Trichloroethane	ND	2.50
108-88-3	Toluene	9.30	2.50
106-93-4	1,2 - Dibromoethane	ND	2.50
142-28-9	1,3 - Dichloropropane	ND	2.50
124-48-1	Dibromochloromethane	ND	2.50
127-18-4	Tetrachloroethene	22.0	2.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	2.50
108-90-7	Chlorobenzene	ND	2.50
100-41-4	Ethylbenzene	5.75	2.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	17.4	5.00
75-25-2	Bromoform (Tribromomethane)	ND	2.50
100-42-5	Styrene (Ethenylbenzene)	ND	2.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	17.6	2.50
79-34-5	1,1,2,2 - Tetrachloroethane	5.70	2.50
96-18-4	1,2,3 - Trichloropropane	ND	2.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-WP.10/00
Laboratory ID: 00-36851-1

Date Sampled: 10-16-00
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	3.05	2.50
108-86-1	Bromobenzene	ND	2.50
103-65-1	n - Propylbenzene	5.90	2.50
95-49-8	2 - Chlorotoluene	ND	2.50
106-43-4	4 - Chlorotoluene	ND	2.50
108-67-8	1,3,5 - Trimethylbenzene	ND	2.50
98-06-6	tert - Butylbenzene	ND	2.50
95-63-6	1,2,4 - Trimethylbenzene	39.4	2.50
135-98-8	sec - Butylbenzene	ND	2.50
541-73-1	1,3 - Dichlorobenzene	ND	2.50
106-46-7	1,4 - Dichlorobenzene	ND	2.50
99-87-6	4-Isopropyltoluene	ND	2.50
95-50-1	1,2 - Dichlorobenzene	ND	2.50
104-51-8	n - Butylbenzene	ND	2.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	12.5
120-82-1	1,2,4 - Trichlorobenzene	ND	2.50
91-20-3	Naphthalene	ND	2.50
87-68-3	Hexachlorobutadiene	ND	2.50
87-61-6	1,2,3 - Trichlorobenzene	ND	2.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT RECOVERY	ACCEPTANCE RANGE
Pentafluorobenzene	788773	821761	96.0%	50 - 200 %
Fluorobenzene	1573883	1603295	98.2%	50 - 200 %
1,4 - Difluorobenzene	1334946	1379113	96.8%	50 - 200 %
Chlorobenzene - d5	1047549	1009488	104%	50 - 200 %
1,4 - Dichlorobenzene - d4	424661	395819	107%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT RECOVERY	ACCEPTANCE RANGE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	10.4	104%	88 - 110 %
4 - Bromofluorobenzene	10.6	106%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

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Analyst: JLP

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.1
Sample ID: 93007-AD.10/00
Laboratory ID: 00-36851-2
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: 10-16-00
Time Sampled: 16:00
Date/Time Received: 10-17-00 10:20
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	0.50
74-87-3	Chloromethane	ND	0.50
75-01-4	Vinyl chloride (Chloroethene)	ND	0.50
74-83-9	Bromomethane	ND	0.50
75-00-3	Chloroethane	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
75-35-4	1,1 - Dichloroethene	ND	0.50
75-09-2	Methylene chloride (Dichloromethane)	ND	0.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.50
75-34-3	1,1 - Dichloroethane	ND	0.50
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	0.50
74-97-5	Bromochloromethane	ND	0.50
67-66-3	Chloroform (Trichloromethane)	ND	0.50
594-20-7	2,2 - Dichloropropane	ND	0.50
71-55-6	1,1,1 - Trichloroethane	ND	0.50
107-06-2	1,2 - Dichloroethane	ND	0.50
563-58-6	1,1 - Dichloropropene	ND	0.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.50
71-43-2	Benzene	ND	0.50
74-95-3	Dibromomethane	ND	0.50
78-87-5	1,2 - Dichloropropane	ND	0.50
79-01-6	Trichloroethene	ND	0.50
75-27-4	Bromodichloromethane	ND	0.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.50
79-00-5	1,1,2 - Trichloroethane	ND	0.50
108-88-3	Toluene	ND	0.50
106-93-4	1,2 - Dibromoethane	ND	0.50
142-28-9	1,3 - Dichloropropane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
127-18-4	Tetrachloroethene	ND	0.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.50
108-90-7	Chlorobenzene	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	0.50
100-42-5	Styrene (Ethenylbenzene)	ND	0.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.50
96-18-4	1,2,3 - Trichloropropane	ND	0.50

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

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0035100000



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-AD.10/00
Laboratory ID: 00-36851-2

Date Sampled: 10-16-00
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.50
108-86-1	Bromobenzene	ND	0.50
103-65-1	n - Propylbenzene	ND	0.50
95-49-8	2 - Chlorotoluene	ND	0.50
106-43-4	4 - Chlorotoluene	ND	0.50
108-67-8	1,3,5 - Trimethylbenzene	ND	0.50
98-06-6	tert - Butylbenzene	ND	0.50
95-63-6	1,2,4 - Trimethylbenzene	ND	0.50
135-98-8	sec - Butylbenzene	ND	0.50
541-73-1	1,3 - Dichlorobenzene	ND	0.50
106-46-7	1,4 - Dichlorobenzene	ND	0.50
99-87-6	4-Isopropyltoluene	ND	0.50
95-50-1	1,2 - Dichlorobenzene	ND	0.50
104-51-8	n - Butylbenzene	ND	0.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.50
120-82-1	1,2,4 - Trichlorobenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
87-61-6	1,2,3 - Trichlorobenzene	ND	0.50

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL AREA	PERCENT	ACCEPTANCE
			RECOVERY	RANGE
Pentafluorobenzene	812422	821761	98.9%	50 - 200 %
Fluorobenzene	1652380	1603295	103%	50 - 200 %
1,4 - Difluorobenzene	1375335	1379113	99.7%	50 - 200 %
Chlorobenzene - d5	1101388	1009488	109%	50 - 200 %
1,4 - Dichlorobenzene - d4	459405	395819	116%	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	10.8	108%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.0	100%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

see r: reports\clients\2000\western_water_consultants\casper_09\36851-1-3_8260b_std_g-a.xls

Analyst: JLP

TRANSFERRED TO FILE NO.

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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.1
Sample ID: 93007-UST.10/00
Laboratory ID: 00-36851-3
Matrix: Gas - AIR
Dilution Factor: 2

Date Sampled: 10-16-00
Time Sampled: 16:15
Date/Time Received: 10-17-00 10:20
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	1.00
74-87-3	Chloromethane	ND	1.00
75-01-4	Vinyl chloride (Chloroethene)	ND	1.00
74-83-9	Bromomethane	ND	1.00
75-00-3	Chloroethane	ND	1.00
75-69-4	Trichlorofluoromethane	ND	1.00
75-35-4	1,1 - Dichloroethene	ND	1.00
75-09-2	Methylene chloride (Dichloromethane)	ND	1.00
156-60-5	trans - 1, 2 - Dichloroethene	ND	1.00
75-34-3	1,1 - Dichloroethane	ND	1.00
78-93-3	2 -Butanone (MEK)	ND	20.0
156-59-2	cis - 1,2 - Dichloroethene	ND	1.00
74-97-5	Bromochloromethane	ND	1.00
67-66-3	Chloroform (Trichloromethane)	ND	1.00
594-20-7	2,2 - Dichloropropane	ND	1.00
71-55-6	1,1,1 - Trichloroethane	ND	1.00
107-06-2	1,2 - Dichloroethane	ND	1.00
563-58-6	1,1 - Dichloropropene	ND	1.00
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	1.00
71-43-2	Benzene	ND	1.00
74-95-3	Dibromomethane	ND	1.00
78-87-5	1,2 - Dichloropropane	ND	1.00
79-01-6	Trichloroethene	ND	1.00
75-27-4	Bromodichloromethane	ND	1.00
10061-01-5	cis - 1,3 - Dichloropropene	ND	1.00
10061-02-6	trans - 1,3 - Dichloropropene	ND	1.00
79-00-5	1,1,2 - Trichloroethane	ND	1.00
108-88-3	Toluene	ND	1.00
106-93-4	1,2 - Dibromoethane	ND	1.00
142-28-9	1,3 - Dichloropropane	ND	1.00
124-48-1	Dibromochloromethane	ND	1.00
127-18-4	Tetrachloroethene	29.4	1.00
630-20-6	1,1,1,2 - Tetrachloroethane	ND	1.00
108-90-7	Chlorobenzene	ND	1.00
100-41-4	Ethylbenzene	ND	1.00
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	2.00
75-25-2	Bromoform (Tribromomethane)	ND	1.00
100-42-5	Styrene (Ethenylbenzene)	ND	1.00
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	1.00
79-34-5	1,1,2,2 - Tetrachloroethane	ND	1.00
96-18-4	1,2,3 - Trichloropropane	ND	1.00

ND - Analyte not detected at stated limit of detection

COMPLETE ANALYTICAL SERVICES

TRANSIT NO. CASE NO.

368518001 01



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: 93007-UST.10/00
Laboratory ID: 00-36851-3

Date Sampled: 10-16-00
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	1.00
108-86-1	Bromobenzene	ND	1.00
103-65-1	n - Propylbenzene	ND	1.00
95-49-8	2 - Chlorotoluene	ND	1.00
106-43-4	4 - Chlorotoluene	ND	1.00
108-67-8	1,3,5 - Trimethylbenzene	ND	1.00
98-06-6	tert - Butylbenzene	ND	1.00
95-63-6	1,2,4 - Trimethylbenzene	ND	1.00
135-98-8	sec - Butylbenzene	ND	1.00
541-73-1	1,3 - Dichlorobenzene	ND	1.00
106-46-7	1,4 - Dichlorobenzene	ND	1.00
99-87-6	4-Isopropyltoluene	ND	1.00
95-50-1	1,2 - Dichlorobenzene	ND	1.00
104-51-8	n - Butylbenzene	ND	1.00
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	5.00
120-82-1	1,2,4 - Trichlorobenzene	ND	1.00
91-20-3	Naphthalene	ND	1.00
87-68-3	Hexachlorobutadiene	ND	1.00
87-61-6	1,2,3 - Trichlorobenzene	ND	1.00

ND - Analyte not detected at stated limit of detection

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL	PERCENT	ACCEPTANCE
		AREA	RECOVERY	RANGE
Pentafluorobenzene	833189	821761	101%	50 - 200 %
Fluorobenzene	1651111	1603295	103%	50 - 200 %
1,4 - Difluorobenzene	1391585	1379113	101%	50 - 200 %
Chlorobenzene - d5	1118843	1009488	111%	50 - 200 %
1,4 - Dichlorobenzene - d4	460731	395819	116%	50 - 200 %

SYSTEM MONITORING COMPOUNDS	CONCENTRATION	PERCENT	ACCEPTANCE
Dibromofluoromethane	10.6	106%	86 - 118 %
Toluene - d8	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.5	105%	86 - 115 %
1,2 - Dichlorobenzene - d4	10.3	103%	80 - 120 %

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B

see r: reports clients\2000\western_water_consultants\casper_org_36851-1-3_8260b_snd_g-a.xls

Analyst JLP

TRACKING PAGE NO.

36851-1-3-8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Project: 93007.1
Sample ID: Air Method Blank
Laboratory ID: AMB1017
Matrix: Gas - AIR
Dilution Factor: 1

Date Sampled: N/A
Time Sampled: N/A
Date/Time Received: N/A
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION (mg/m ³)	REPORT LIMIT (mg/m ³)
75-71-8	Dichlorodifluoromethane	ND	0.50
74-87-3	Chloromethane	ND	0.50
75-01-4	Vinyl chloride (Chloroethene)	ND	0.50
74-83-9	Bromomethane	ND	0.50
75-00-3	Chloroethane	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.50
75-35-4	1,1 - Dichloroethene	ND	0.50
75-09-2	Methylene chloride (Dichloromethane)	ND	0.50
156-60-5	trans - 1, 2 - Dichloroethene	ND	0.50
75-34-3	1,1 - Dichloroethane	ND	0.50
78-93-3	2 -Butanone (MEK)	ND	10.0
156-59-2	cis - 1,2 - Dichloroethene	ND	0.50
74-97-5	Bromochloromethane	ND	0.50
67-66-3	Chloroform (Trichloromethane)	ND	0.50
594-20-7	2,2 - Dichloropropane	ND	0.50
71-55-6	1,1,1 - Trichloroethane	ND	0.50
107-06-2	1,2 - Dichloroethane	ND	0.50
563-58-6	1,1 - Dichloropropene	ND	0.50
56-23-5	Carbon tetrachloride (Tetrachloromethane)	ND	0.50
71-43-2	Benzene	ND	0.50
74-95-3	Dibromomethane	ND	0.50
78-87-5	1,2 - Dichloropropane	ND	0.50
79-01-6	Trichloroethene	ND	0.50
75-27-4	Bromodichloromethane	ND	0.50
10061-01-5	cis - 1,3 - Dichloropropene	ND	0.50
10061-02-6	trans - 1,3 - Dichloropropene	ND	0.50
79-00-5	1,1,2 - Trichloroethane	ND	0.50
108-88-3	Toluene	ND	0.50
106-93-4	1,2 - Dibromoethane	ND	0.50
142-28-9	1,3 - Dichloropropane	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
127-18-4	Tetrachloroethene	ND	0.50
630-20-6	1,1,1,2 - Tetrachloroethane	ND	0.50
108-90-7	Chlorobenzene	ND	0.50
100-41-4	Ethylbenzene	ND	0.50
108-38-3	m,p - Xylenes (1,3- & 1,4-Dimethylbenzene)	ND	1.00
75-25-2	Bromoform (Tribromomethane)	ND	0.50
100-42-5	Styrene (Ethenylbenzene)	ND	0.50
95-47-6	o - Xylene (1,2-Dimethylbenzene)	ND	0.50
79-34-5	1,1,2,2 - Tetrachloroethane	ND	0.50
96-18-4	1,2,3 - Trichloropropane	ND	0.50

ND - Analyte not detected at stated limit of detection



LABORATORY ANALYSIS REPORT, EPA METHOD 8260

Client: Western Water Consultants
Sample ID: Air Method Blank
Laboratory ID: AMB1017

Date Sampled: N/A
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

C.A.S. #	TARGET COMPOUNDS	CONCENTRATION	REPORT
		(mg/m ³)	LIMIT (mg/m ³)
98-82-8	Isopropylbenzene (1-Methylethylbenzene)	ND	0.50
108-86-1	Bromobenzene	ND	0.50
103-65-1	n - Propylbenzene	ND	0.50
95-49-8	2 - Chlorotoluene	ND	0.50
106-43-4	4 - Chlorotoluene	ND	0.50
108-67-8	1,3,5 - Trimethylbenzene	ND	0.50
98-06-6	tert - Butylbenzene	ND	0.50
95-63-6	1,2,4 - Trimethylbenzene	ND	0.50
135-98-8	sec - Butylbenzene	ND	0.50
541-73-1	1,3 - Dichlorobenzene	ND	0.50
106-46-7	1,4 - Dichlorobenzene	ND	0.50
99-87-6	4-Isopropyltoluene	ND	0.50
95-50-1	1,2 - Dichlorobenzene	ND	0.50
104-51-8	n - Butylbenzene	ND	0.50
96-12-8	1,2 - Dibromo - 3 - chloropropane	ND	2.50
120-82-1	1,2,4 - Trichlorobenzene	ND	0.50
91-20-3	Naphthalene	ND	0.50
87-68-3	Hexachlorobutadiene	ND	0.50
87-61-6	1,2 3 - Trichlorobenzene	ND	0.50

ND - Analyte not detected at stated limit of detection
#REF!

RUNTIME QUALITY ASSURANCE REPORT

INTERNAL STANDARDS	AREA	ICAL / CCAL		ACCEPTANCE
		AREA	PERCENT RECOVERY	
Pentafluorobenzene	841751	821761	102%	50 - 200 %
Fluorobenzene	1557871	1603295	97.2%	50 - 200 %
1,4 - Difluorobenzene	1367186	1379113	99.1%	50 - 200 %
Chlorobenzene - d5	1088557	1009488	108%	50 - 200 %
1,4 - Dichlorobenzene - d4	446065	395819	113%	50 - 200 %

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

METHODS USED IN THIS ANALYSIS:

EPA 5030B, EPA 8260B



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LABORATORY ANALYSIS REPORT, EPA METHOD 8260

QC RESULTS - MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD)

Client: Western Water Consultants
Sample Set: 00-36851-1 through 00-36851-3
Laboratory ID: 00-36851-2 S
Matrix: Gas - AIR

Date Sampled: 10-16-00
Date/Time Received: 10-17-00 10:20
Date Analyzed: 10-17-00
Date Reported: October 27, 2000

INTERNAL STANDARDS

	ICAL / CCAL	SPIKED SAMPLE		SPIKE DUPLICATE		ACCEPTANCE
	AREA	AREA	%	AREA	%	RANGE
Pentafluorobenzene	821761	819085	99.7%	781981	95.2%	50 - 200 %
Fluorobenzene	1603295	1537689	95.9%	1507096	94.0%	50 - 200 %
1,4 - Difluorobenzene	1379113	1349055	97.8%	1308769	94.9%	50 - 200 %
Chlorobenzene - d5	1009488	1076727	107%	1032704	102%	50 - 200 %
1,4 - Dichlorobenzene-d4	395819	456187	115%	436077	110%	50 - 200 %

SYSTEM MONITORING COMPOUNDS

	SPIKED SAMPLE	PERCENT	SPIKE DUPLICATE	PERCENT	ACCEPTANCE
	CONCENTRATION	RECOVERY	CONCENTRATION	RECOVERY	RANGE
Dibromofluoromethane	10.3	103%	10.4	104%	86 - 118 %
Toluene - d8	10.4	104%	10.5	105%	88 - 110 %
4 - Bromofluorobenzene	10.3	103%	10.4	104%	86 - 115 %
1,2 - Dichlorobenzene-d4	10.1	101%	10.1	101%	80 - 120 %

SPIKED SAMPLE RESULTS

	SPIKED SAMPLE	ORIG. CONC.	SPIKE AMOUNT	PERCENT	ACCEPTANCE
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	RANGE
Vinyl chloride	9.51	ND	10.0	95.1%	80 - 120 %
Chloroform	9.48	ND	10.0	94.8%	80 - 120 %
1,2 - Dichloroethane	9.65	ND	10.0	96.5%	80 - 120 %
Carbon tetrachloride	9.53	ND	10.0	95.3%	80 - 120 %
Benzene	8.86	ND	10.0	88.6%	80 - 120 %
Trichloroethene	8.75	ND	10.0	87.5%	80 - 120 %
Tetrachloroethene	8.74	ND	10.0	87.4%	80 - 120 %
Chlorobenzene	8.80	ND	10.0	88.0%	80 - 120 %
1,4 - Dichlorobenzene	8.73	ND	10.0	87.3%	80 - 120 %

SPIKE DUPLICATE SAMPLE RESULTS

	SPIKE DUP	ORIG. CONC.	SPIKE	PERCENT	RPD
	CONCENTRATION	(mg/m ³)	(mg/m ³)	RECOVERY	LIMITS
Vinyl chloride	9.98	ND	10.0	99.8%	10 %
Chloroform	9.47	ND	10.0	94.7%	10 %
1,2 - Dichloroethane	8.94	ND	10.0	89.4%	10 %
Carbon tetrachloride	9.17	ND	10.0	91.7%	10 %
Benzene	8.80	ND	10.0	88.0%	10 %
Trichloroethene	8.40	ND	10.0	84.0%	10 %
Tetrachloroethene	9.20	ND	10.0	92.0%	10 %
Chlorobenzene	9.18	ND	10.0	91.8%	10 %
1,4 - Dichlorobenzene	9.25	ND	10.0	92.5%	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

Analyst: JLP

Report Approved by:

Reviewed:

see: r: reports clients\2000\western_water_consultants\casper_org\36851-1-3_8260b_std_g.xls

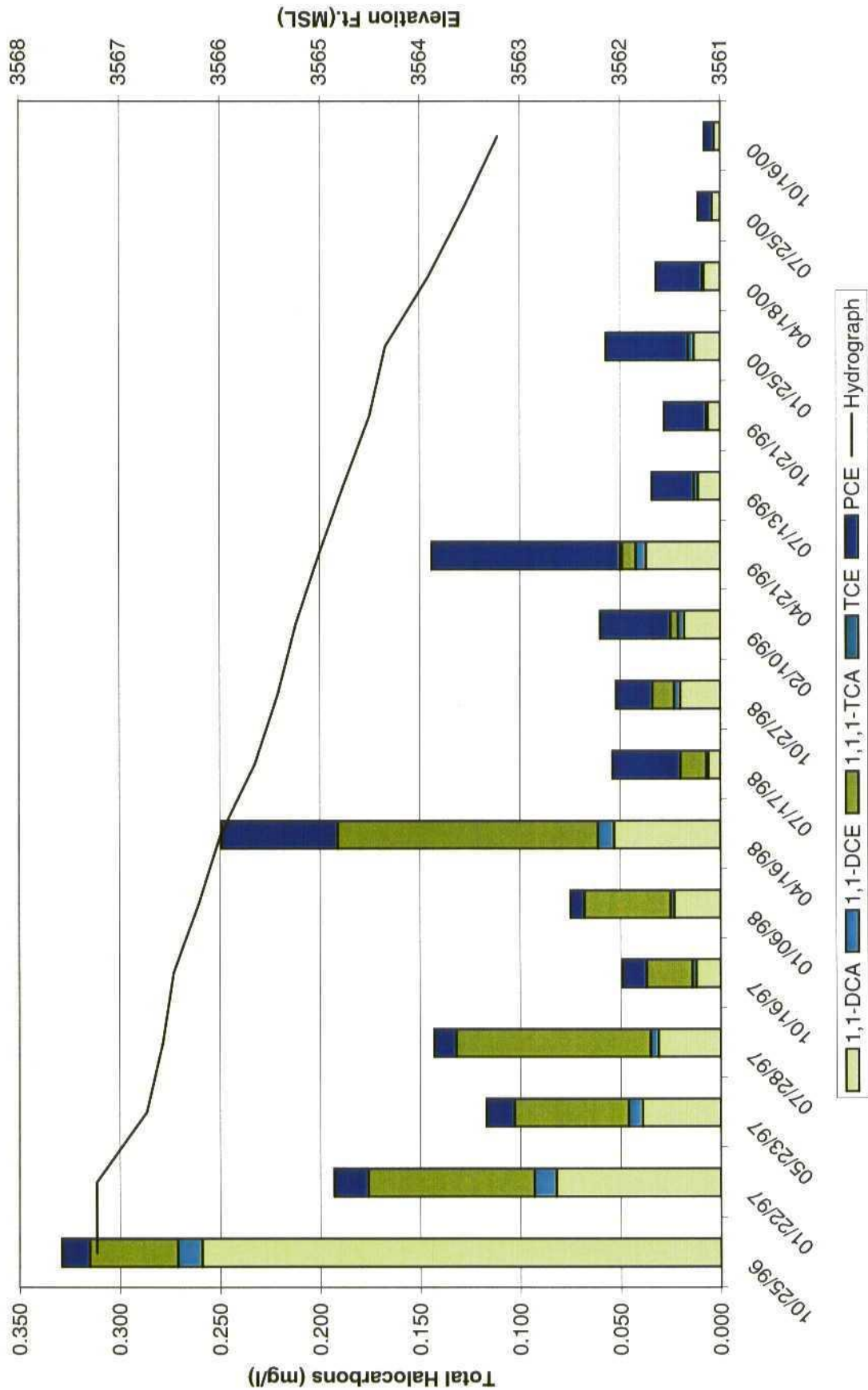
**Western
Water
Consultants, Inc.**

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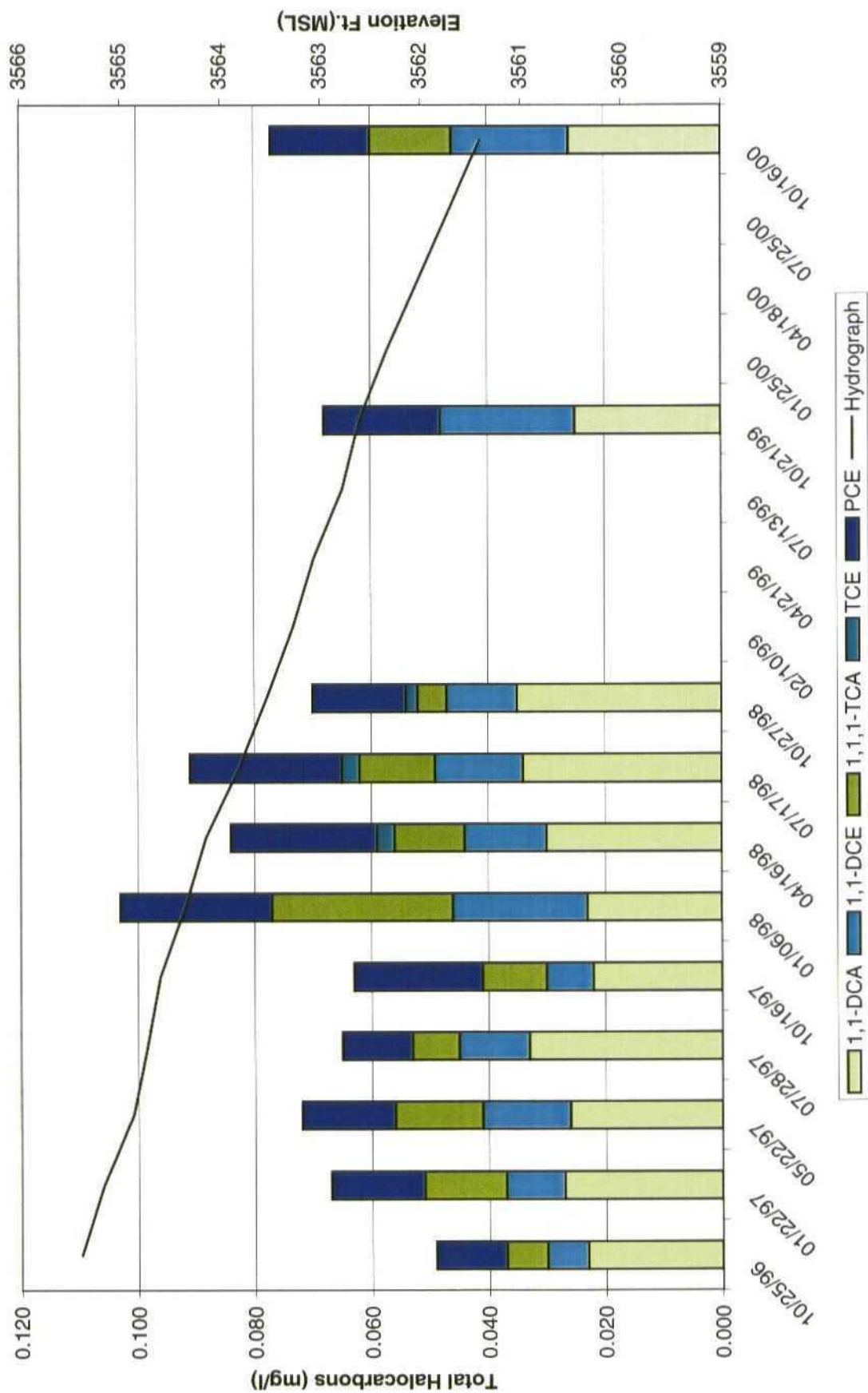
APPENDIX B

*HALOCARBONS AND GROUND-WATER
LEVEL PLOTS*

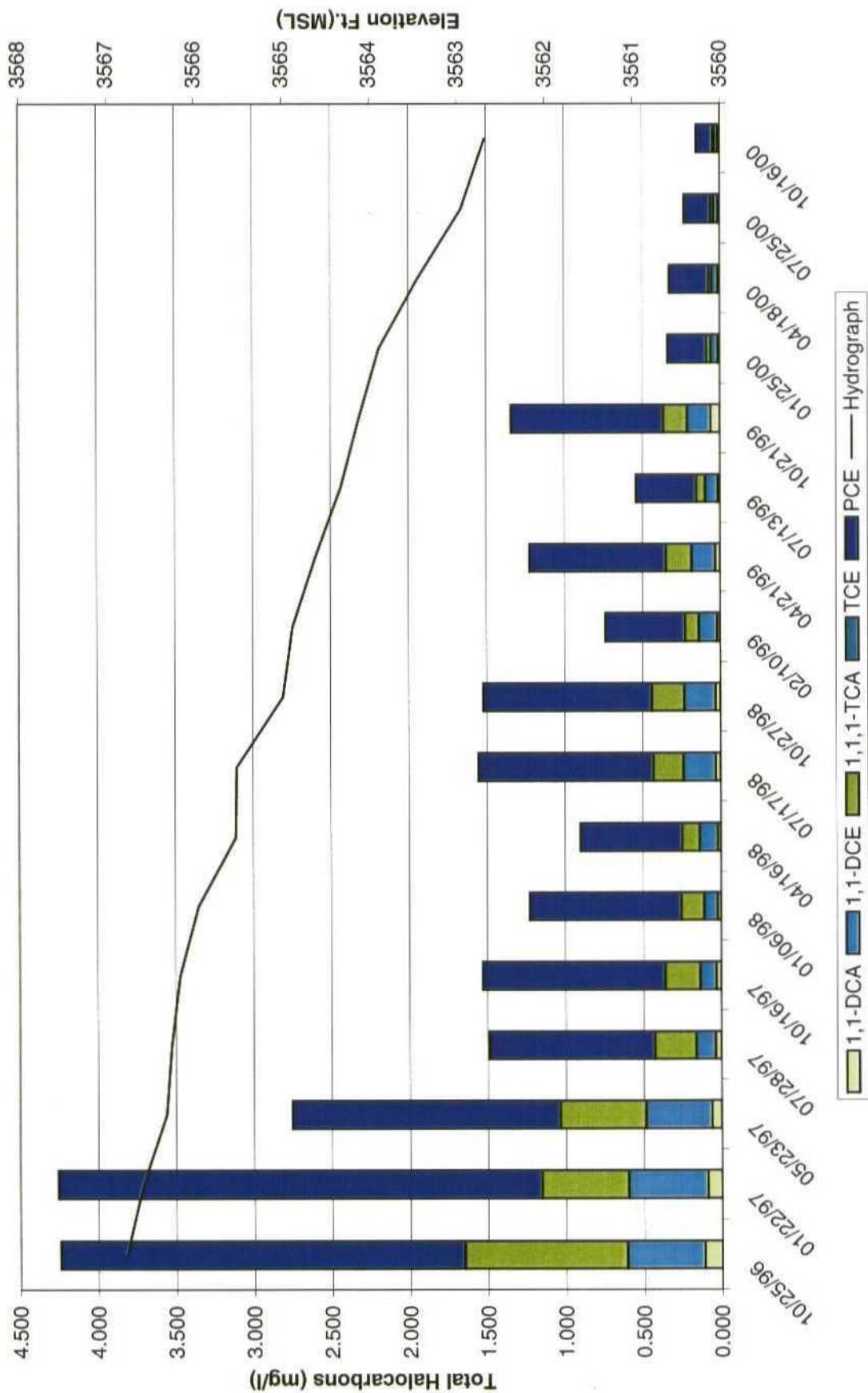
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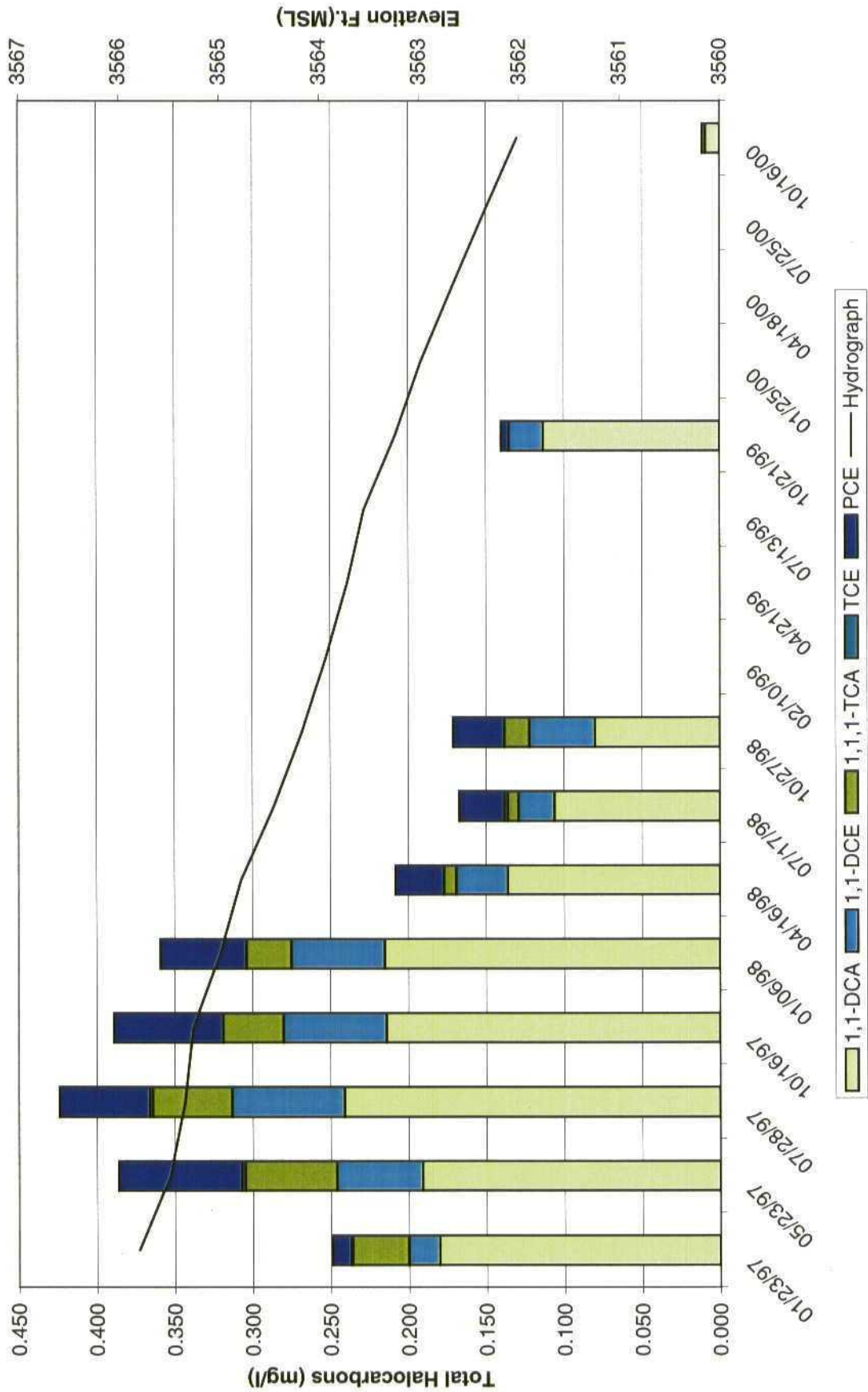
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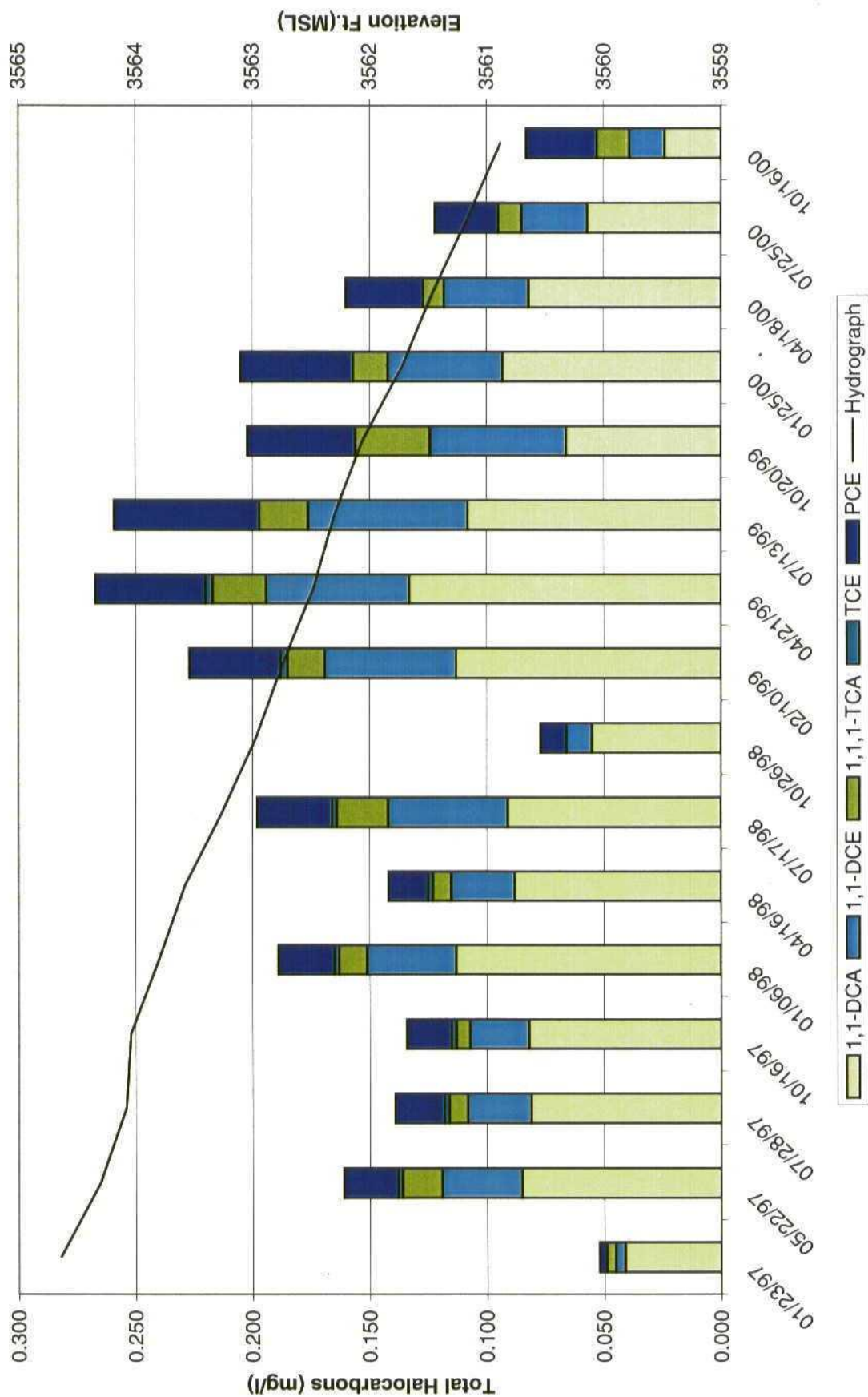
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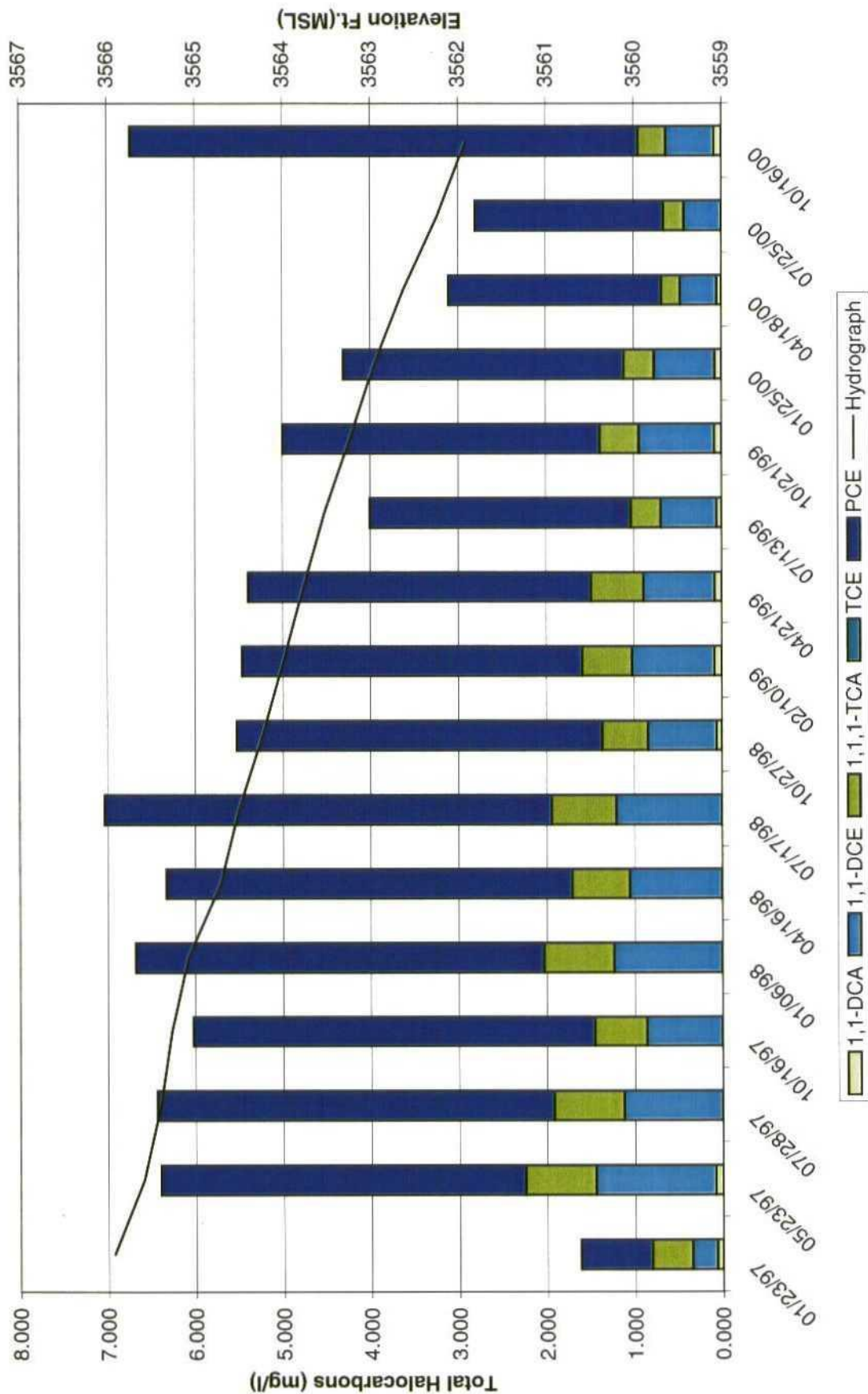
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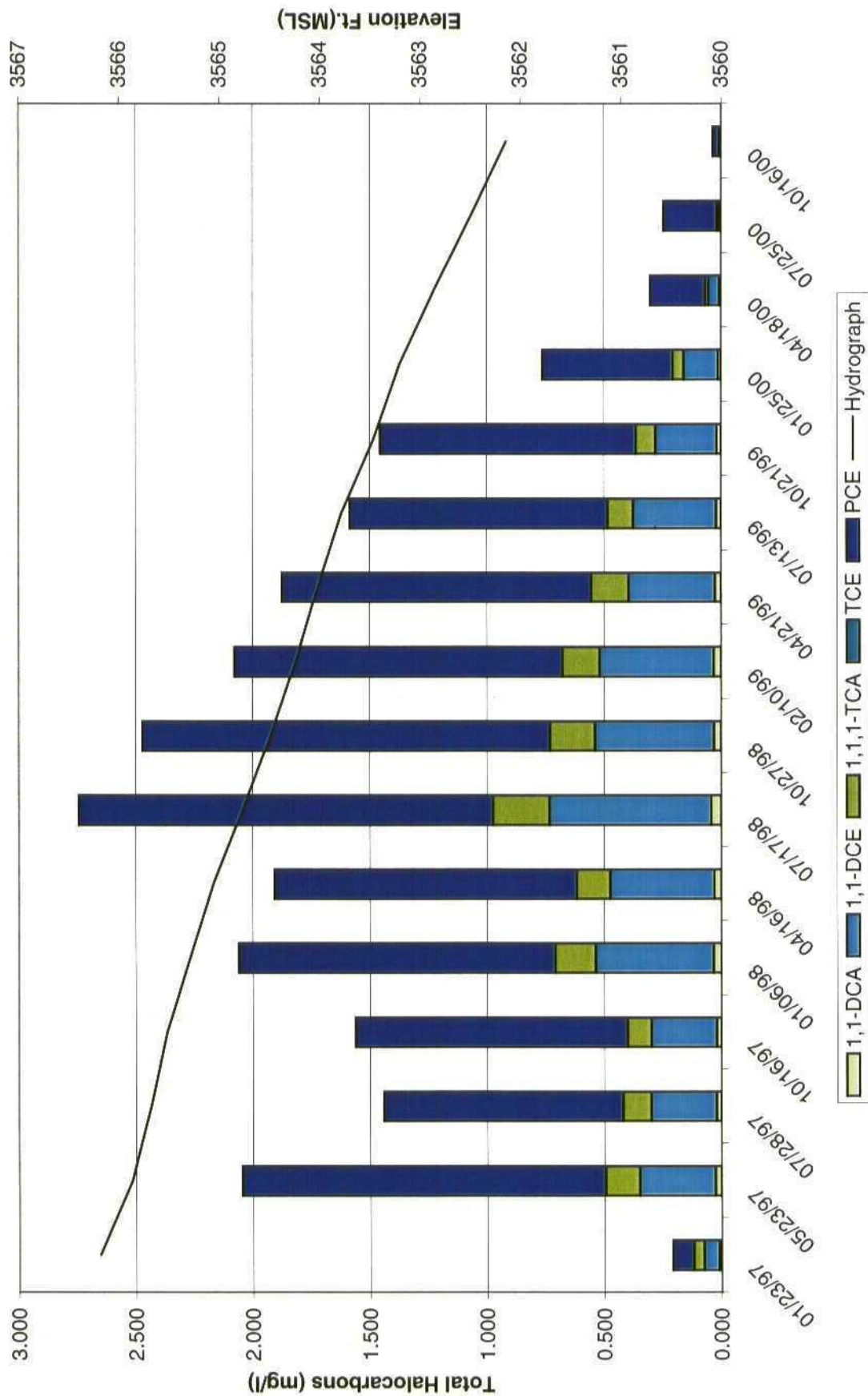
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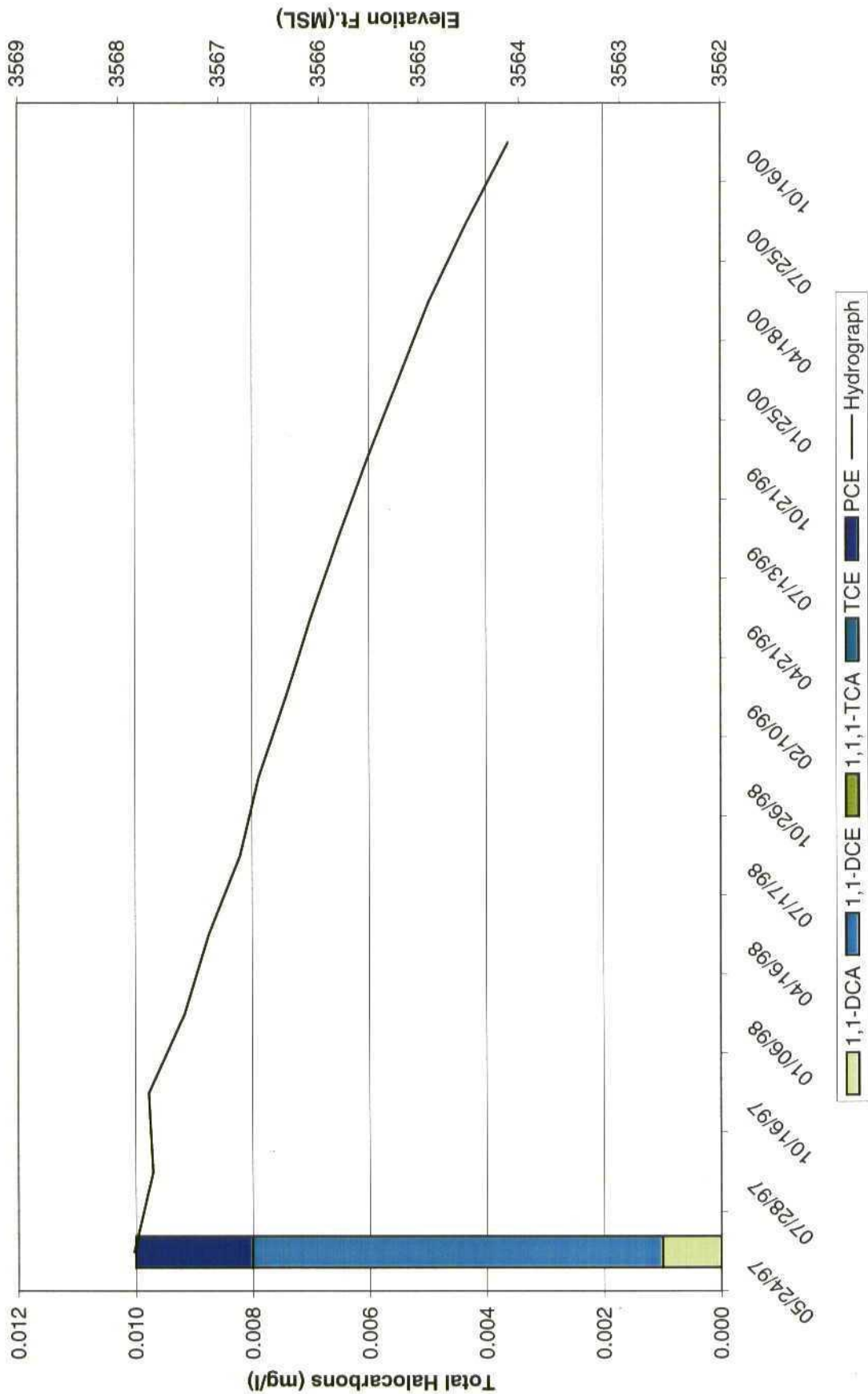
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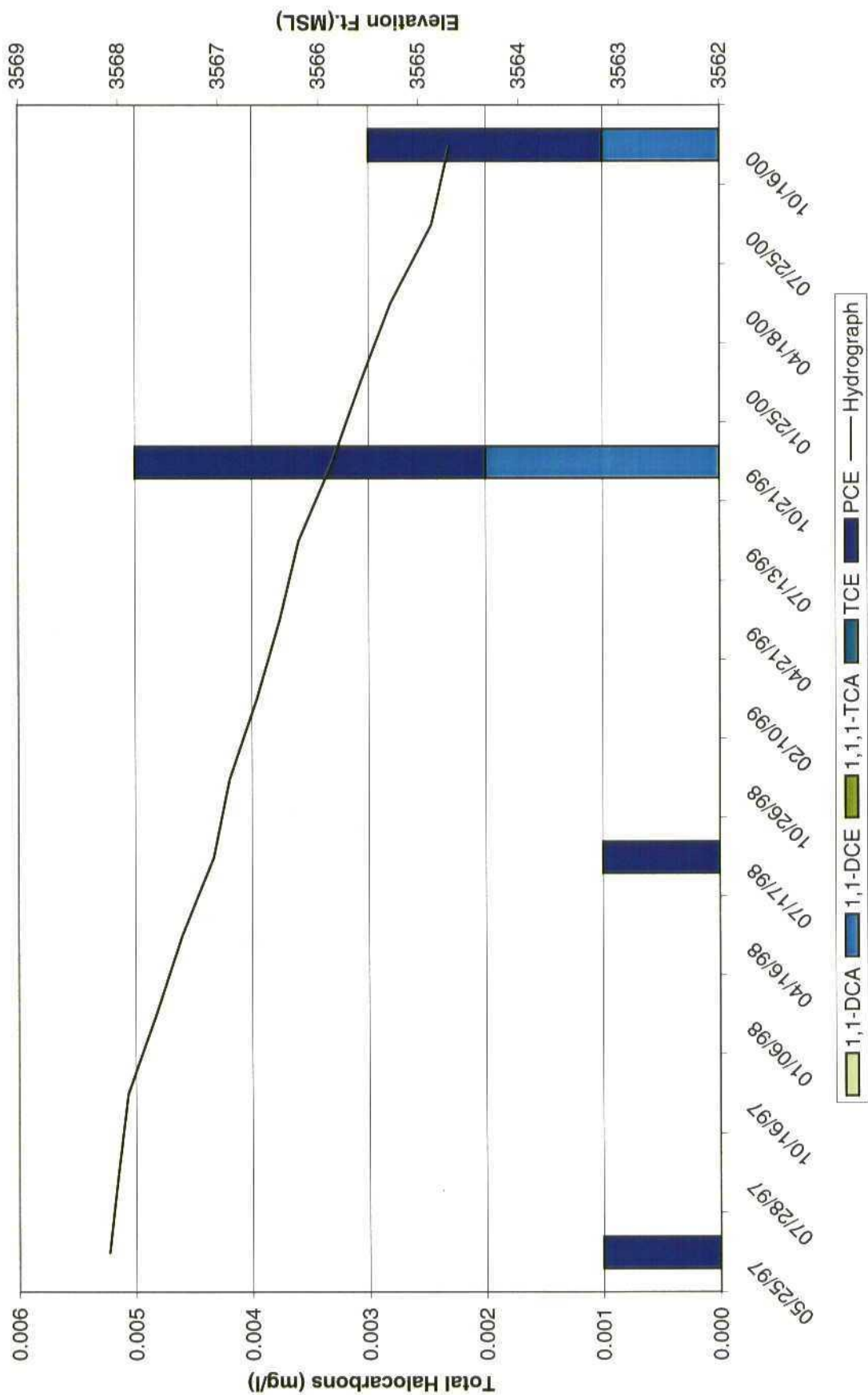
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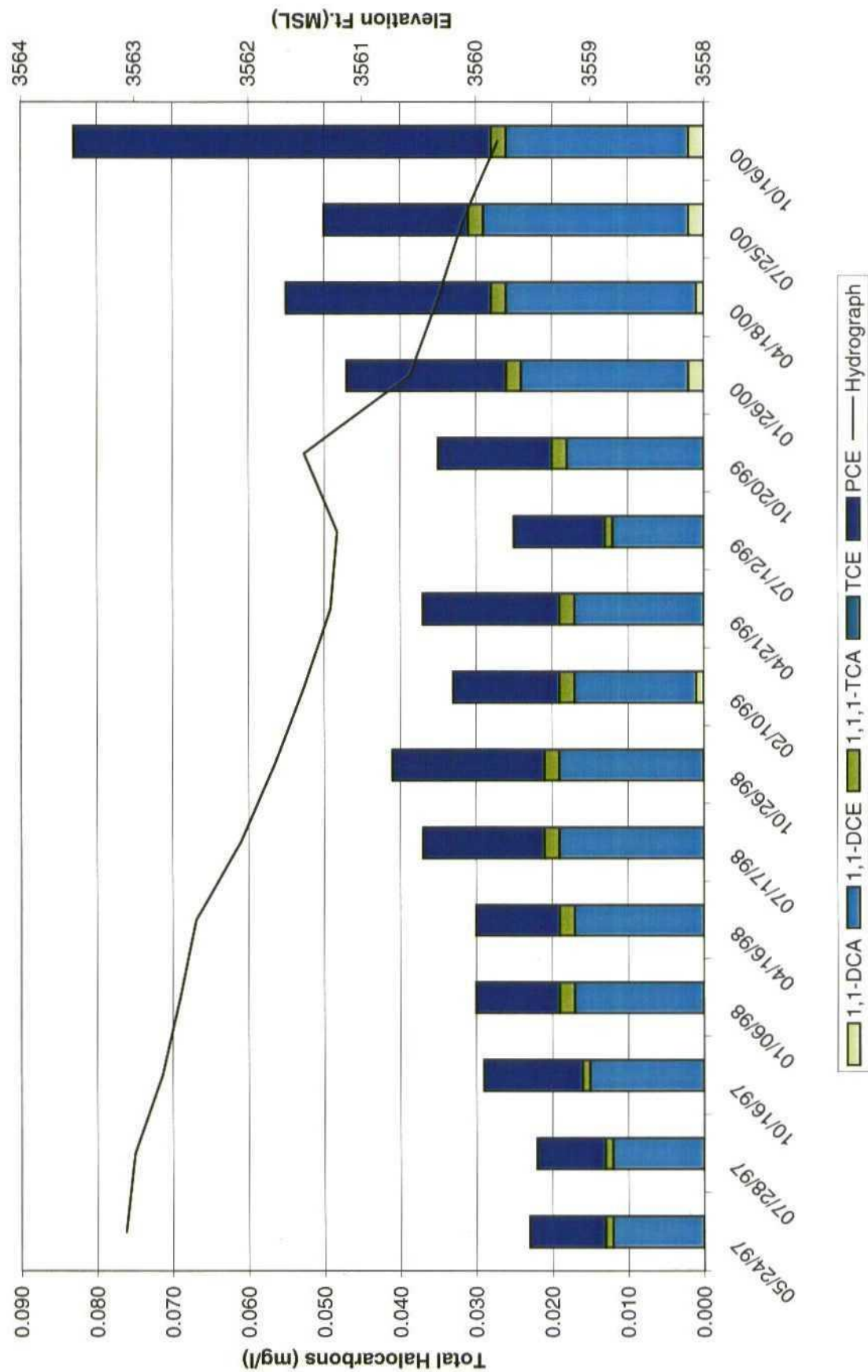
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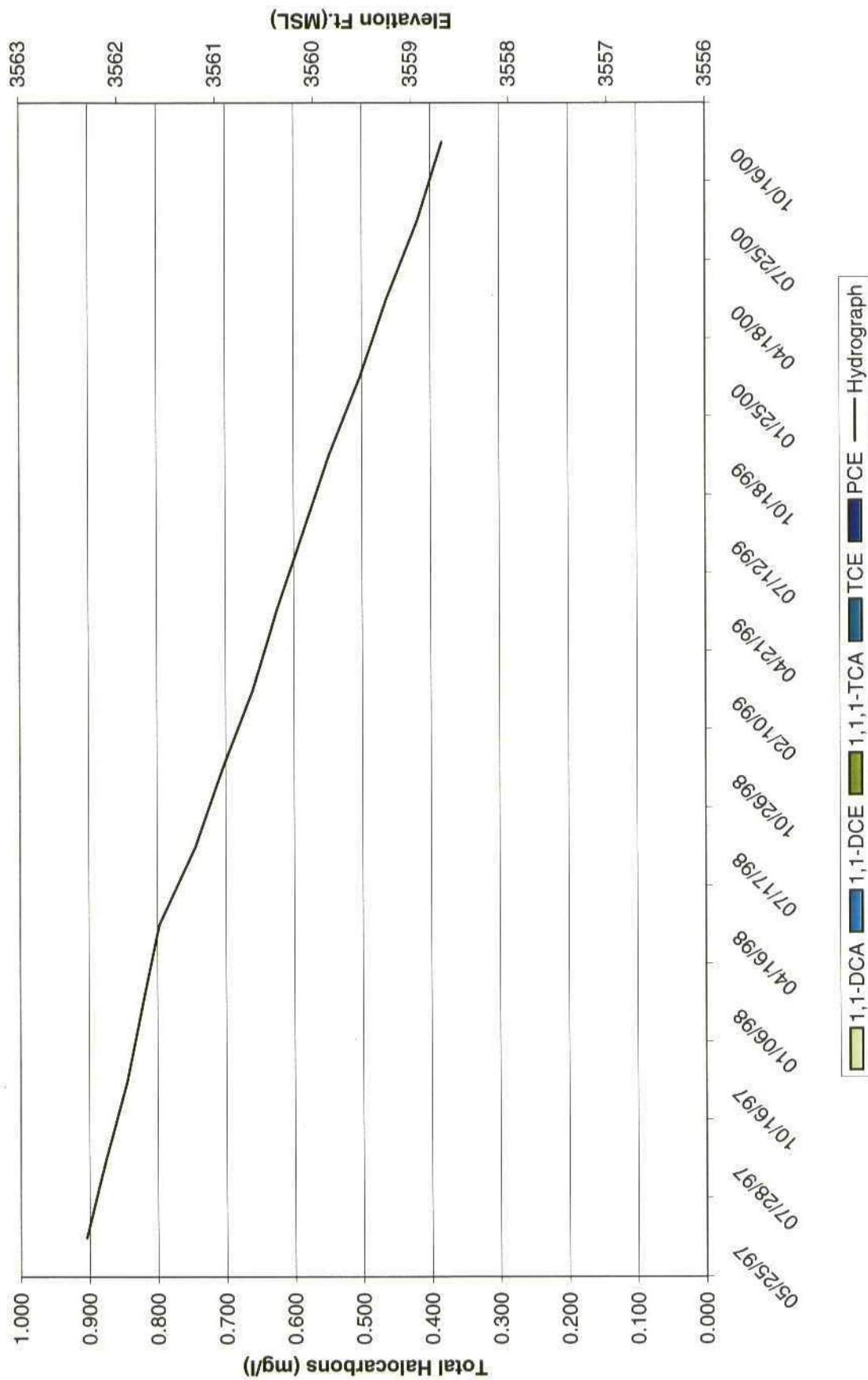
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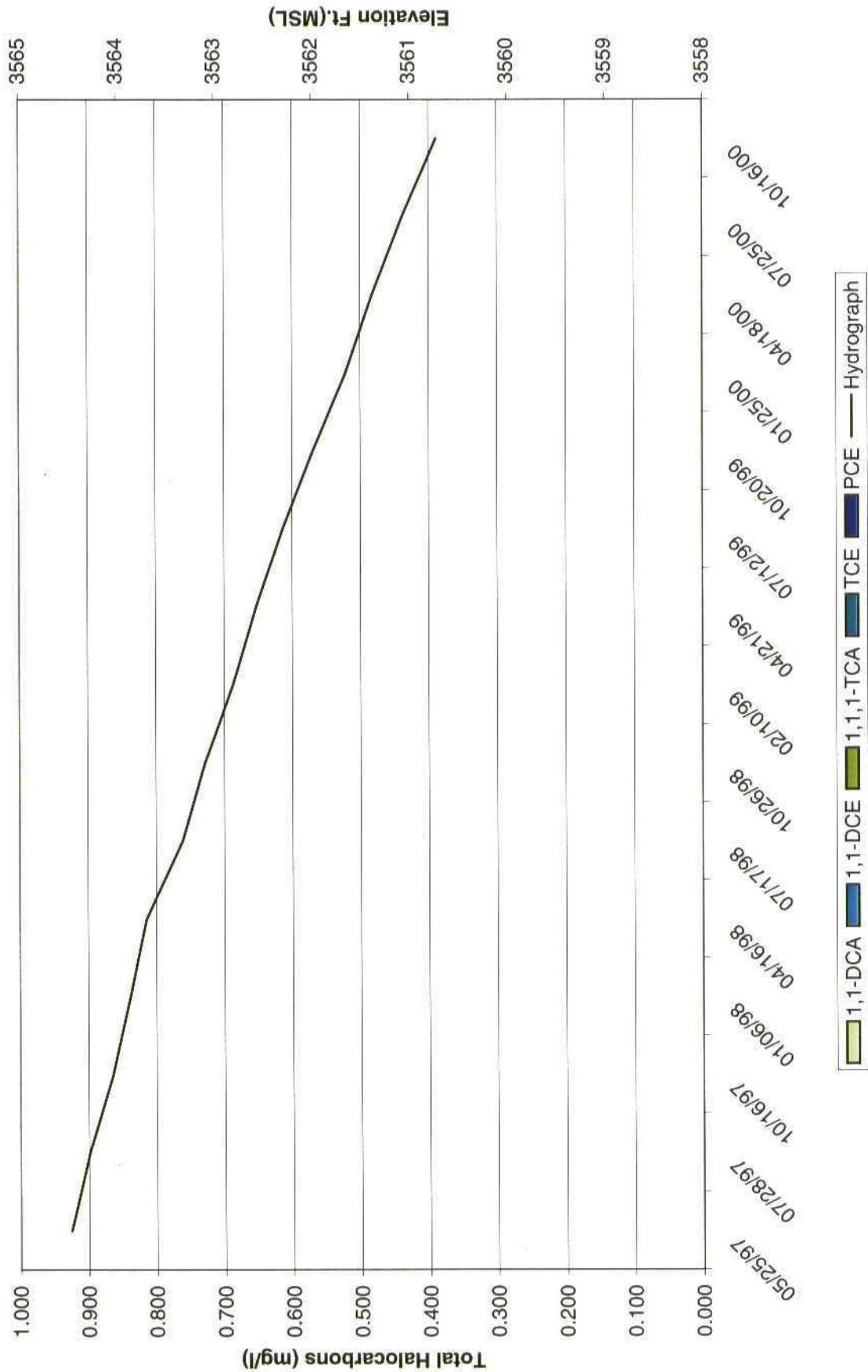
Monitoring Well MW-13



Monitoring Well MW-14



Monitoring Well MW-15



Monitoring Well MW-SO4

