1R - 234

REPORTS

DATE:

2002

1R234

ENERCON SERVICES, INC.
An Employee Owned Company

2775 Villa Creek, Suite 120
Dallas, TX 75234
(972) 484-3854
Fax: (972) 484-8835

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MAR 18 2002

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

March 12, 2002

Mr. Kyle Landreneau
Equiva Services L.L.C.
SHE/Science & Engineering
PMB 284
40 FM 1960 West
Houston, Texas 77090

RE: 2001 ANNUAL GROUNDWATER MONITORING REPORT
JANUARY THROUGH DECEMBER 2001
DENTON STATION
LEA COUNTY, NEW MEXICO

Mr. Landreneau:

This report details the groundwater monitoring activities at Denton Station from January 1, 2001 through December 31, 2001. The site is located northeast of Lovington, on US Highway 82, in Lea County, New Mexico. The purpose of the groundwater monitoring activities was to gauge monitor wells, recover product and collect groundwater samples in an effort to follow the extent and impact of a groundwater plume apparently originating from a subsurface crude oil pipeline

SITE SAFETY

Before work was initiated each day, all personnel working at the site attended a tailgate safety meeting. During the meetings, the Site Health and Safety Officer discussed the safety and health concerns and procedures for the site as outlined in the Site Health and Safety Plan (HASP). All personnel signed the HASP at the close of each meeting to document their attendance. A copy of the HASP was maintained at the site during all working hours in an easily accessible area.

GROUNDWATER ASSESSMENT

Enercon has completed monitoring at the referenced facility for the period from January 1, 2001 through December 31, 2001. All monitor wells were gauged quarterly, wells exhibiting PSH were bailed, and samples were collected four times during the annual monitoring period.

Quarterly hand bailing and absorbent sock change-out have been utilized as the recovery techniques for all wells except monitor wells MW-1, MW-3, and MW-7, and water well WW-1, which were connected to a Ferret automated recovery system. A total of 1,133

gallons of PSH were recovered in the past year. To date, 1,079 gallons of PSH have been recovered manually (booms and bailing), and 4,013 gallons of PSH have been recovered by an automated recovery system for a total of 5,092 gallons of PSH.

Phase-separated hydrocarbons were detected during each monitoring event in water well WW-1 and were detected periodically in monitor wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-10. Monitor well MW-7 consistently exhibited the greatest thickness of PSH with an average of 1.16 feet.

Depth to groundwater ranged across the site from 53.60 feet in monitor well MW-16 to 62.30 feet below top of casing (TOC) in monitor well MW-1. Groundwater table elevation fluctuated from a minimum of 0.20 feet during the year in MW-14 to a maximum of 3.38 feet in MW-7, with an average fluctuation of 0.86 feet across the site. Groundwater at the site was determined to flow to the southeast. Figure 2 illustrates the groundwater gradient based on the latest gauging event (October 3, 2001).

GROUNDWATER SAMPLING

On January 4, 2001 Enercon conducted the first quarterly groundwater monitoring event. Groundwater samples were collected from monitor wells MW-2, MW-6, MW-9, MW-11, MW-12, MW-13, MW-15, and MW-16 and analyzed for BTEX (Method 8021B) and PAH (Method 8270C). Laboratory analytical results indicated concentrations of 0.556 mg/l benzene, 0.001 mg/l toluene, and 0.005 mg/l xylenes from monitor well MW-2. Laboratory analytical results indicated concentrations of 0.854 mg/l benzene, 0.014 mg/l toluene, 0.086 mg/l ethylbenzene, and 0.164 mg/l xylenes from monitor well MW-6. Laboratory analytical results indicated concentrations of 0.001 mg/l benzene from monitor well MW-9. Laboratory analytical results indicated concentrations of 0.801 mg/l benzene, and 0.003 mg/l xylenes from monitor well MW-11. Laboratory analytical results indicated concentrations of 0.002 mg/l benzene from monitor well MW-12. Laboratory analytical results indicated PAH concentrations of 0.031 mg/l total Napthlenes from monitor well MW-6. All other groundwater samples analyzed resulted in concentrations below laboratory detectable limits.

On April 27, 2001, the second quarterly groundwater sampling event was performed. Groundwater samples were collected from monitor wells MW-2, MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-15, and MW-16, and analyzed for BTEX (Method 8021B). Laboratory analytical results indicated concentrations of 0.812 mg/l benzene and 0.002 mg/l total xylenes from monitor well MW-2. Laboratory analytical results indicated concentrations of 1.790 mg/l benzene from monitor well MW-6. Laboratory analytical results indicated concentrations of 1.080 mg/l benzene, 0.096 mg/l toluene, 0.257 mg/l ethylbenzene, and 0.274 mg/l xylenes from monitor well MW-10. Laboratory analytical results indicated concentrations of 0.846 mg/l benzene from monitor well MW-11. Laboratory analytical results indicated concentrations of 0.011 mg/l benzene from monitor well MW-12. Laboratory analytical results indicated concentrations of 0.054 mg/l benzene from monitor well MW-15. All other groundwater samples were below laboratory detectable limits.

On July 11, 2001, the third quarterly groundwater samples were collected from monitor wells MW-2, MW-9, MW-11, MW-12, MW-13, MW-15, and MW-16, and analyzed for BTEX (Method 8021B). Laboratory analytical results indicated concentrations of 0.781 mg/l benzene, and 0.012 mg/l toluene from monitor well MW-2. Laboratory analytical results indicated concentrations of 0.766 mg/l benzene from monitor well MW-11. All other groundwater samples were below laboratory detectable limits.

On October 3, 2001, the fourth quarterly groundwater samples were collected from monitor wells MW-2, MW-6, MW-11, MW-12, MW-13, MW-15, and MW-16, and analyzed for BTEX (Method 8021B). Laboratory analytical results indicated concentrations of 1.300 mg/l benzene from monitor well MW-2. Laboratory analytical results indicated concentrations of 0.831 mg/l benzene, 0.428 mg/l ethylbenzene, and 0.204 mg/l xylenes from monitor well MW-6. Laboratory analytical results indicated concentrations of 0.389 mg/l benzene from monitor well MW-11. Laboratory analytical results indicated concentrations of 0.004 mg/l benzene from monitor well MW-13. All remaining groundwater samples were below laboratory detectable limits.

Laboratory analytical results indicated concentrations of PAH in MW-6. All other PAH concentrations from all other groundwater samples were below laboratory detectable limits. Laboratory analytical results indicated concentrations of benzene ranging from 0.001 mg/l in monitor well MW-9 to 1.790 mg/l in MW-6. Laboratory analytical results indicated concentrations of toluene ranging from 0.001 mg/l in MW-2 to 0.096 mg/l in MW-10. Laboratory analytical results indicated concentrations of ethylbenzene ranging from 0.065 in monitor well MW-6 to 0.428 in MW-6. Laboratory analytical results indicated concentrations of xylenes ranging from 0.002 mg/l in monitor well MW-2 to 0.274 in MW-10. All other BTEX concentrations from all other groundwater samples were below laboratory detectable limits. Laboratory analytical results are summarized in Table 2 of this report.

Enercon Services, Inc. appreciates the opportunity to provide you with our professional consulting services on this important project. If you have any questions or if we can be of further assistance, please do not hesitate to call.

Respectfully,
Enercon Services, Inc.

Bennett C. Howell, III, P.E.
Senior Project Manager

ATTACHMENT A

FIGURES

Site Map (Figure 1)
Groundwater Gradient Map (Figure 2)
BTEX Concentration Map (Figure 3)

SHELL PIPELINE CORPORATION

DENTON STATION

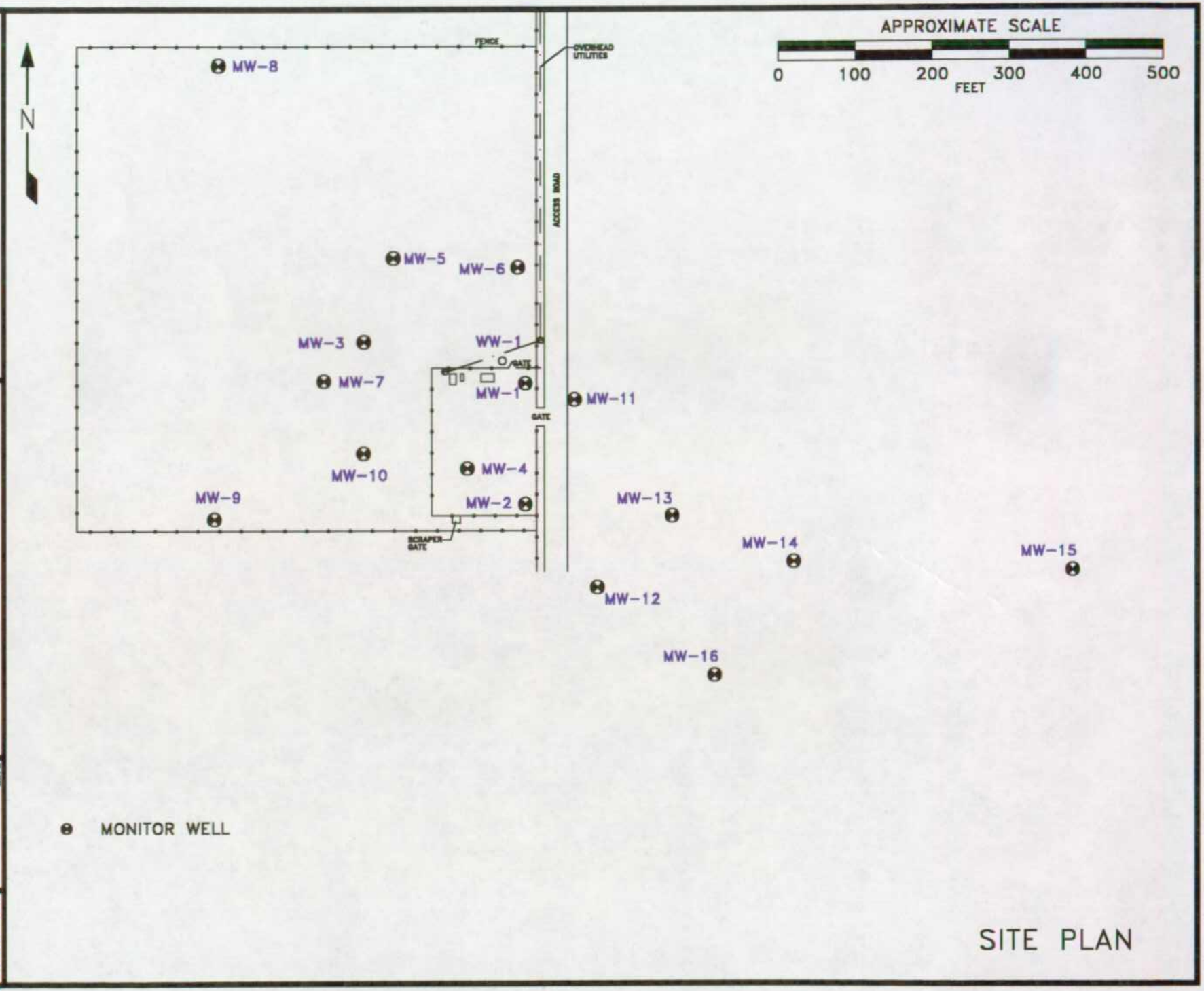
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

DATE: October, 2001

PROJECT NO.: EQ-101

FIGURE 1



SITE PLAN

SHELL PIPELINE CORPORATION

DENTON STATION

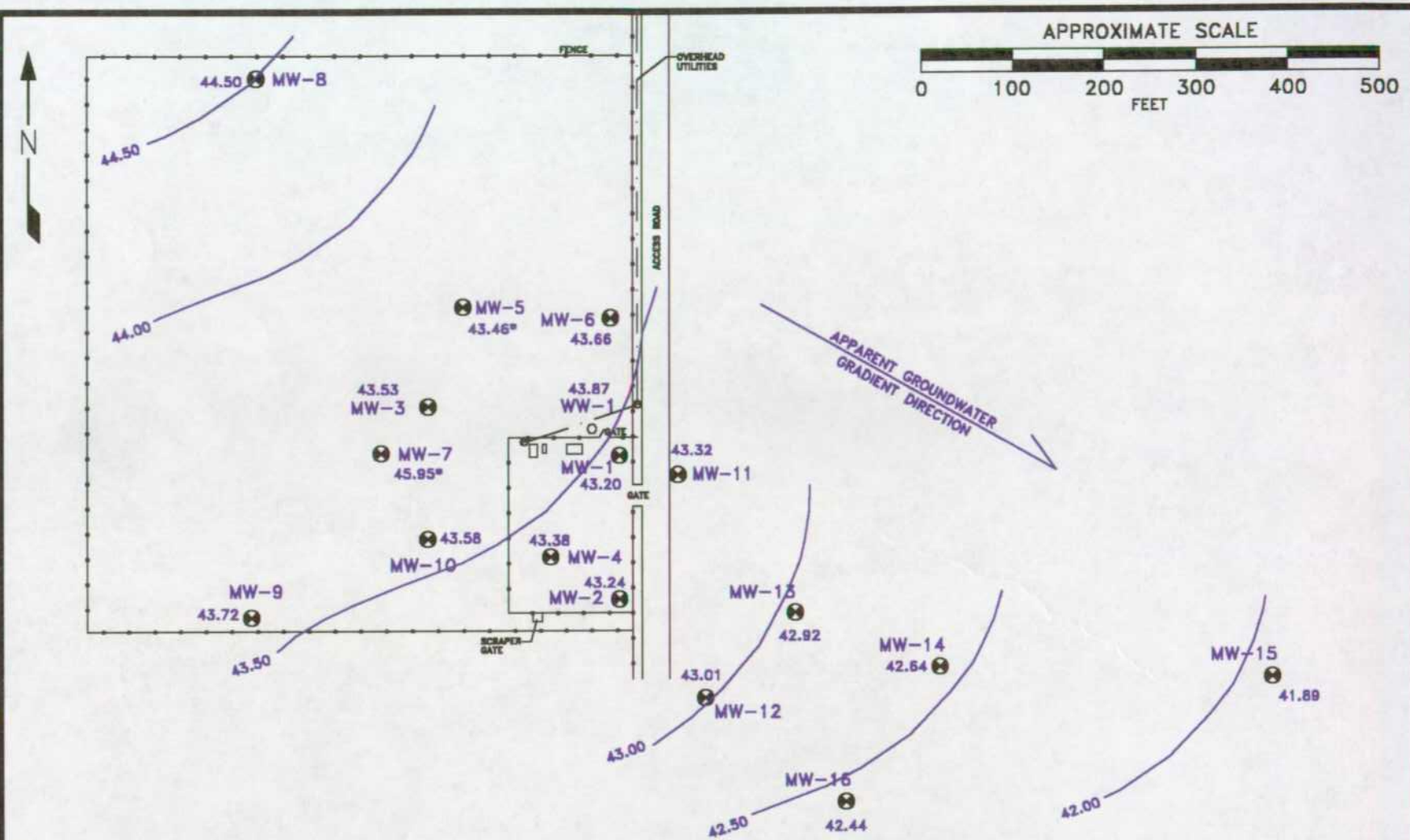
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

DATE: JANUARY, 2001

PROJECT NO. EQ-101

FIGURE 2



MONITOR WELL

44.86 RELATIVE GROUNDWATER ELEVATION IN WELL

GROUNDWATER ELEVATION CONTOUR (CI = 0.50')

GROUNDWATER GRADIENT MAP

*DUE TO INCONSISTANT LEVEL, MONITORING WELLS MW-5 AND MW-7 WAS NOT USED TO CONSTRUCT THIS GRADIENT MAP.

SHELL PIPELINE CORPORATION

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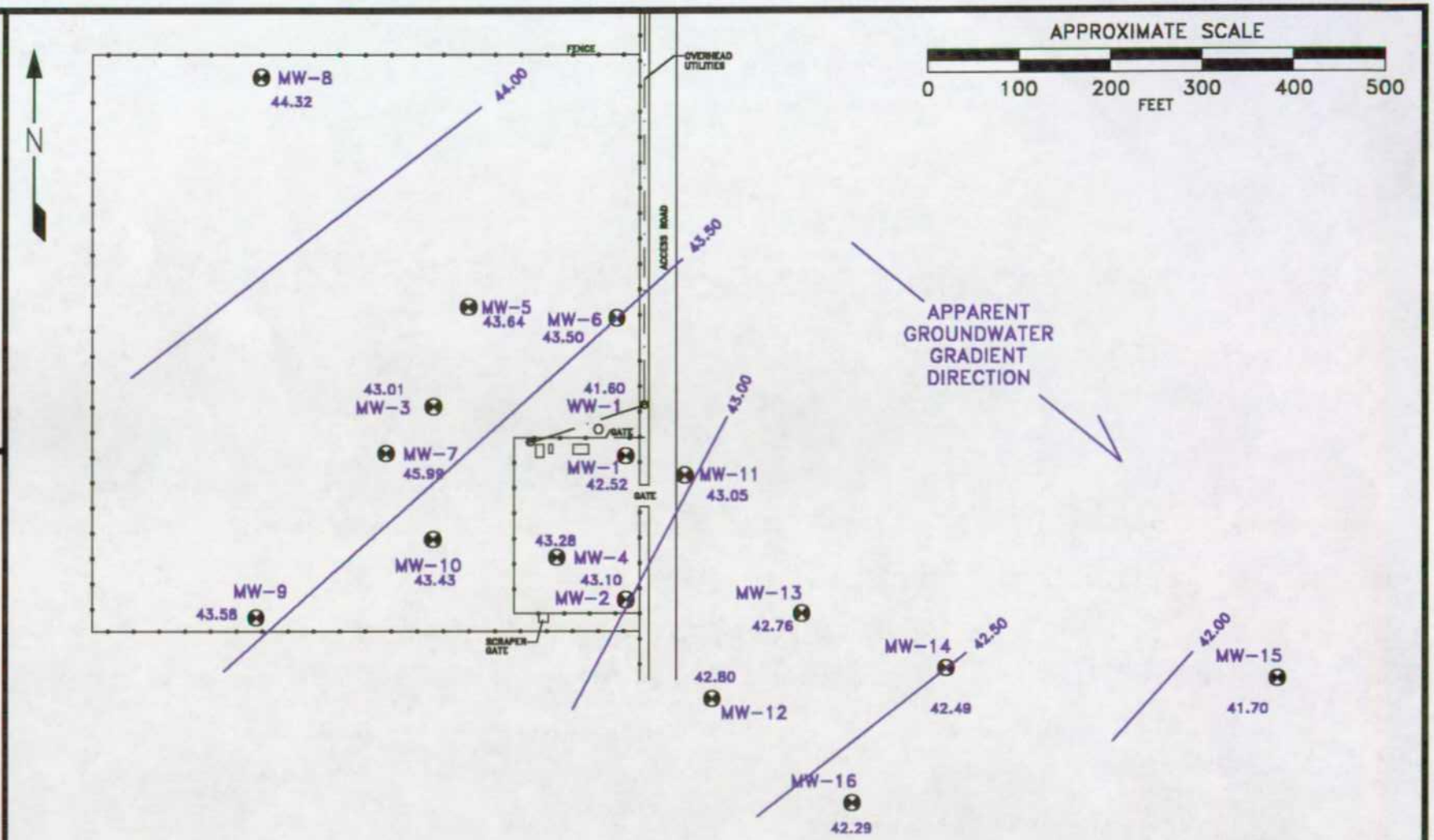
972/484-3854

PROJECT NO. EQ-101

DATE APRIL, 2001

FIGURE 2



MONITOR WELL
44.86
RELATIVE GROUNDWATER ELEVATION IN WELL
GROUNDWATER ELEVATION CONTOUR (CI = 0.50')

GROUNDWATER GRADIENT MAP

*DUE TO PRESENCE OF A PSH RECOVERY SYSTEM, MONITORING WELLS WW-1, MW-1, MW-3, AND MW-7 WERE NOT USED TO CONSTRUCT THIS GRADIENT MAP.

SHELL PIPELINE CORPORATION

DENTON STATION

LEA COUNTY, NEW MEXICO

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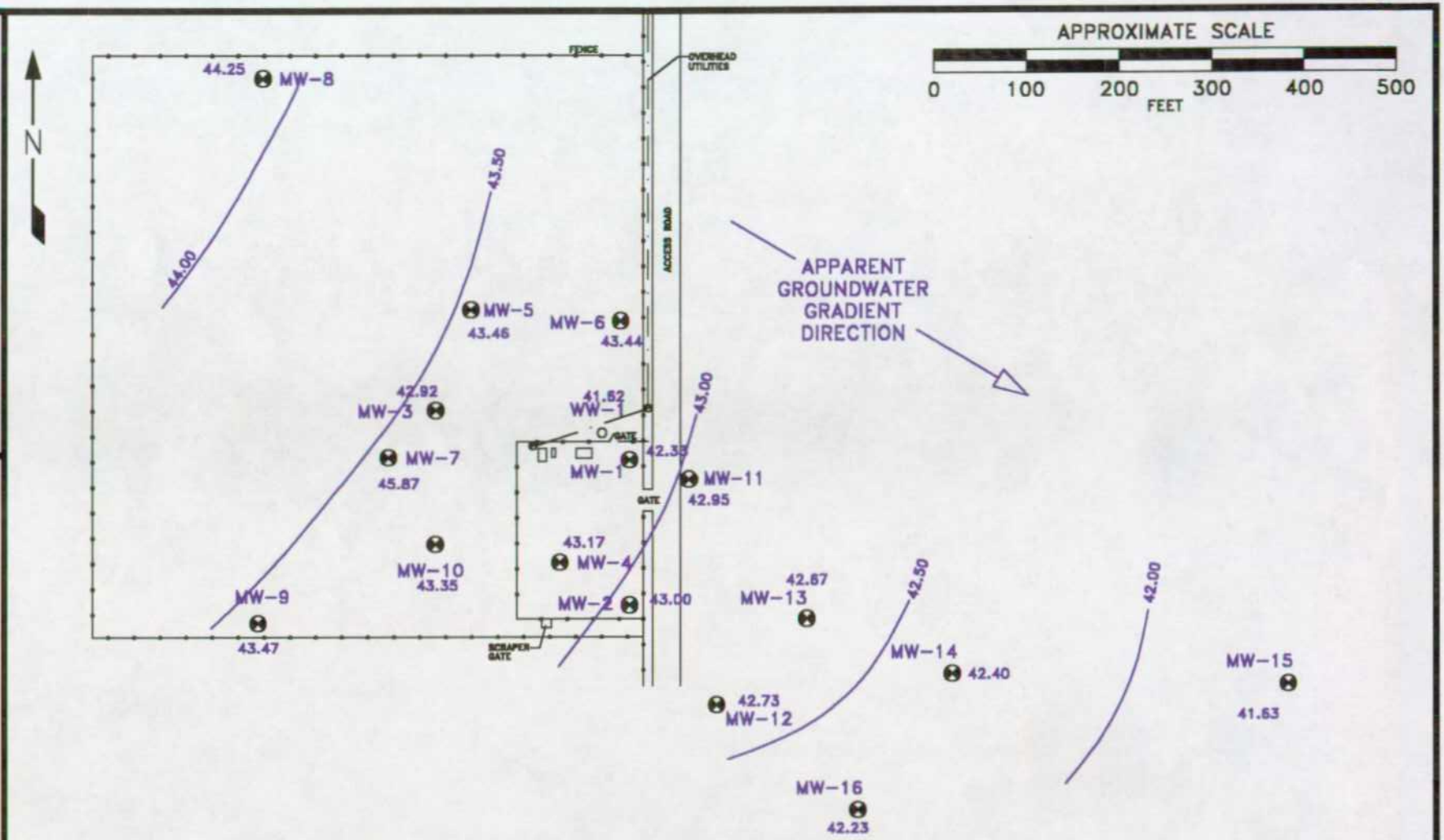
PROJECT NO. EQ-101

DATE JULY, 2001

FIGURE 2



MONITOR WELL

44.86 RELATIVE GROUNDWATER ELEVATION IN WELL

GROUNDWATER ELEVATION CONTOUR (CI = 0.50')

GROUNDWATER GRADIENT MAP

MW-1, MW-3, MW-7 AND WW-1 ARE PUMPING WELLS NOT UTILIZED FOR DETERMINING GROUNDWATER GRADIENT

SHELL PIPELINE CORPORATION

DENTON STATION

LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
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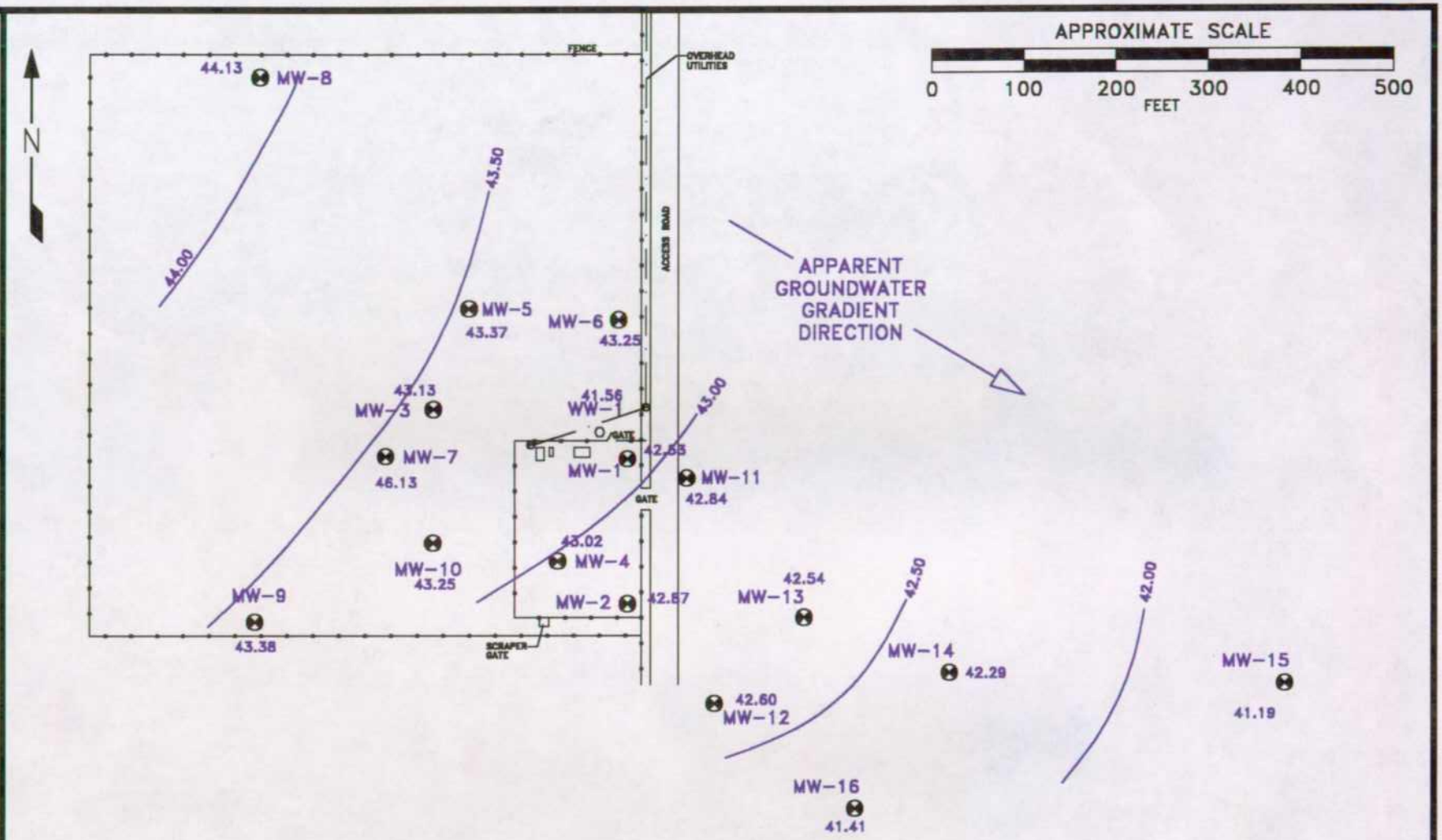
972/484-3854

DATE: October, 2001

PROJECT NO.: EQ-101

FIGURE 2



GROUNDWATER GRADIENT MAP

MW-1, MW-3, MW-7 AND WW-1 ARE PUMPING WELLS NOT UTILIZED FOR DETERMINING GROUNDWATER GRADIENT

SHELL PIPELINE CORPORATION

DENTON STATION

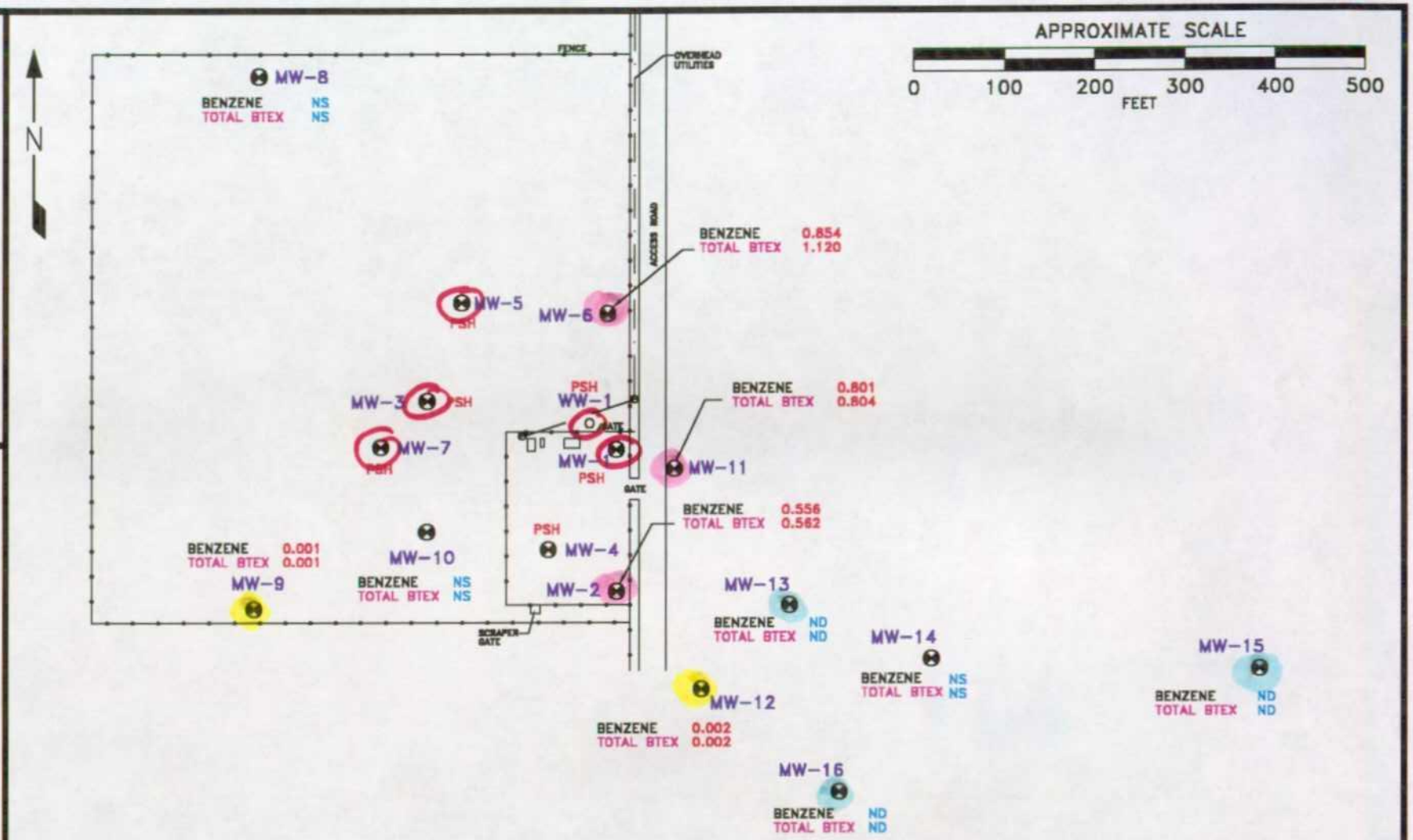
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

PROJECT NO. EQ-101

DATE January, 2001

FIGURE 3



MONITOR WELL

NS – NOT SAMPLED
ND – NOT DETECTED
PSH – PHASE SEPARATED HYDROCARBON

DISSOLVED BTEX CONCENTRATION MAP

–CONCENTRATIONS LISTED IN mg/L (ppm)

SHELL PIPELINE CORPORATION

DENTON STATION

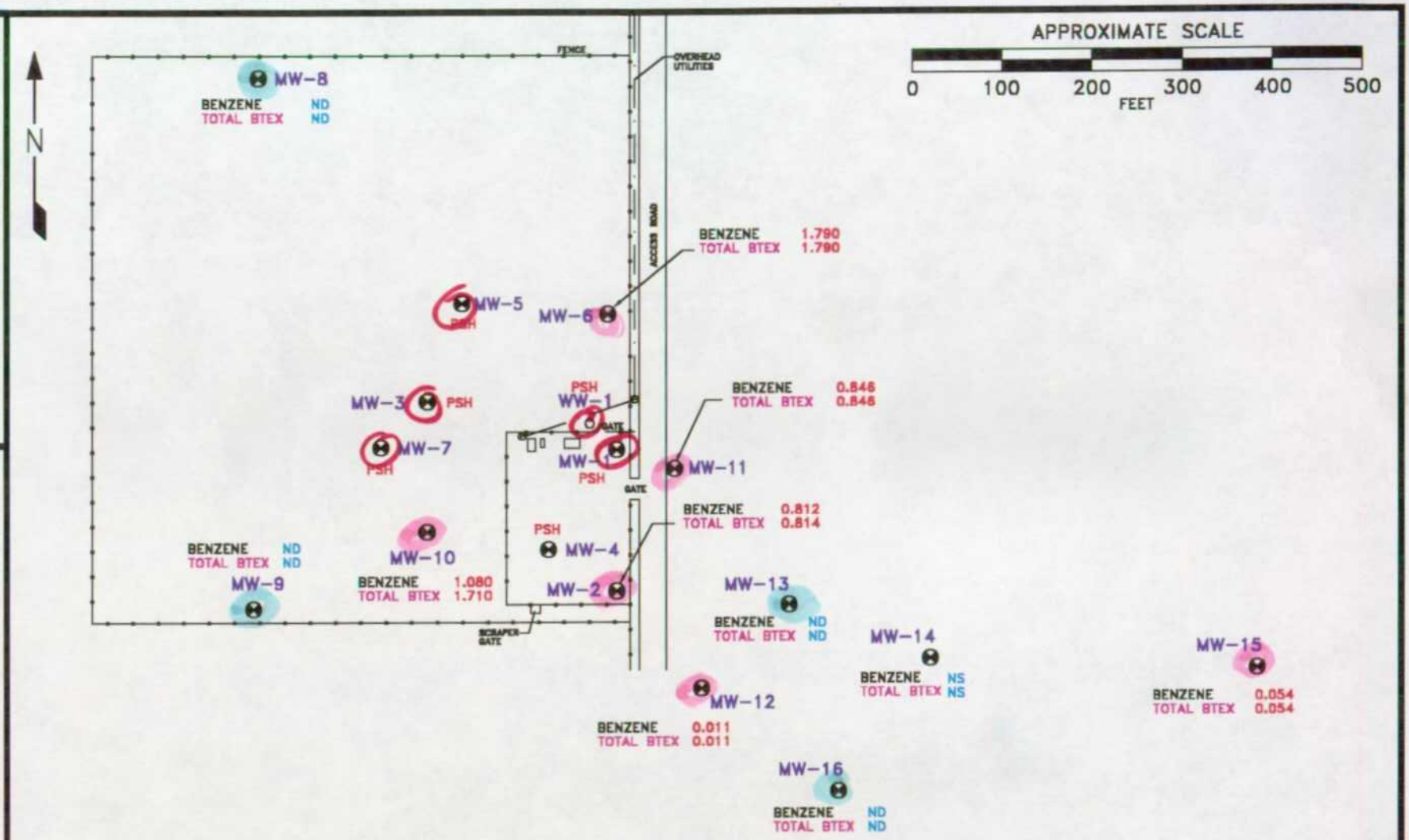
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

DATE: April, 2001

PROJECT NO.: EQ-101

FIGURE 3



DISSOLVED BTEX CONCENTRATION MAP

-CONCENTRATIONS LISTED IN mg/L (ppm)

SHELL PIPELINE CORPORATION

DENTON STATION

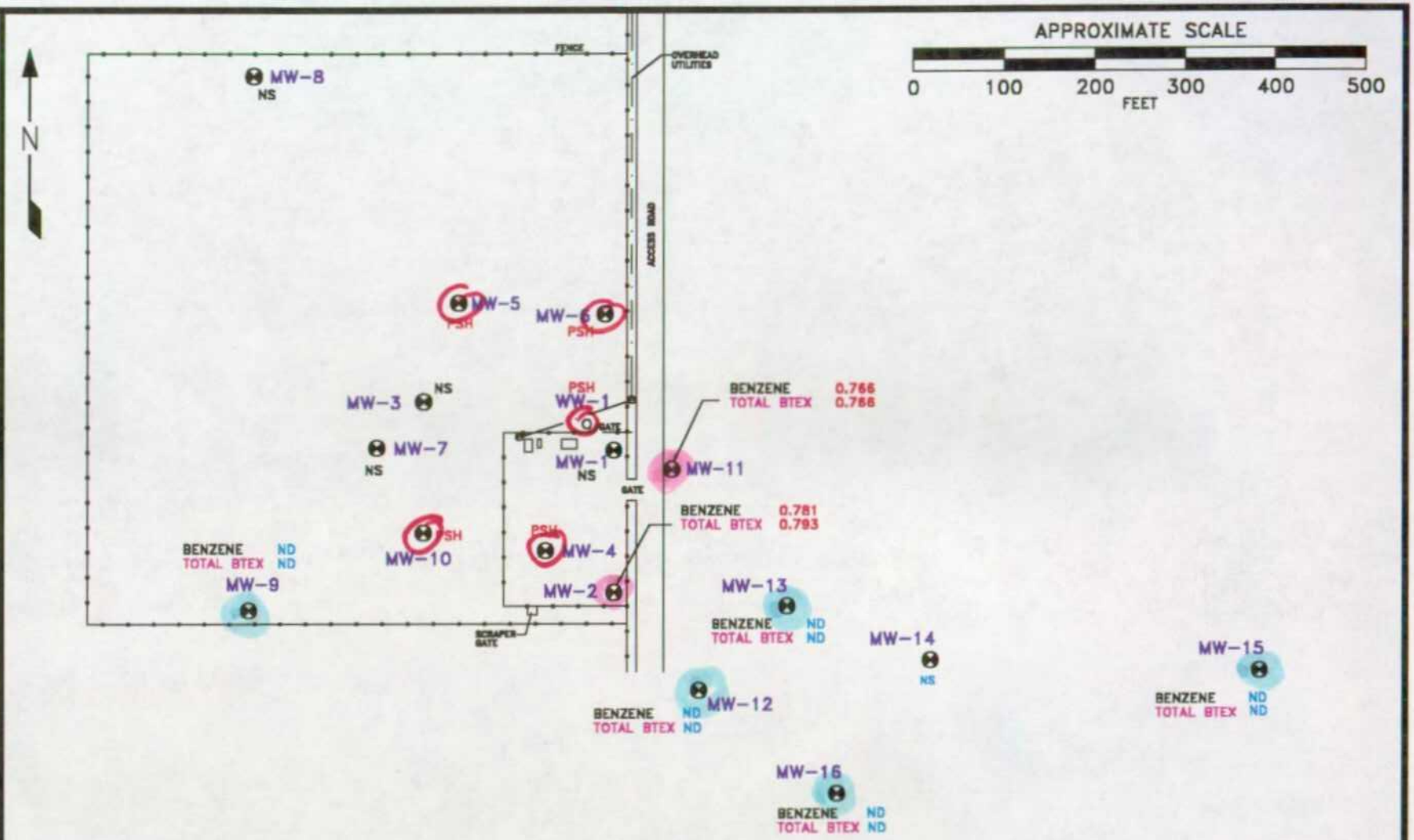
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

PROJECT NO. EQ-101

DATE July, 2001

FIGURE 3



DISSOLVED BTEX CONCENTRATION MAP

BENZENE AND TOTAL BTEX CONCENTRATIONS LISTED IN mg/L (ppm)

SHELL PIPELINE CORPORATION

DENTON STATION

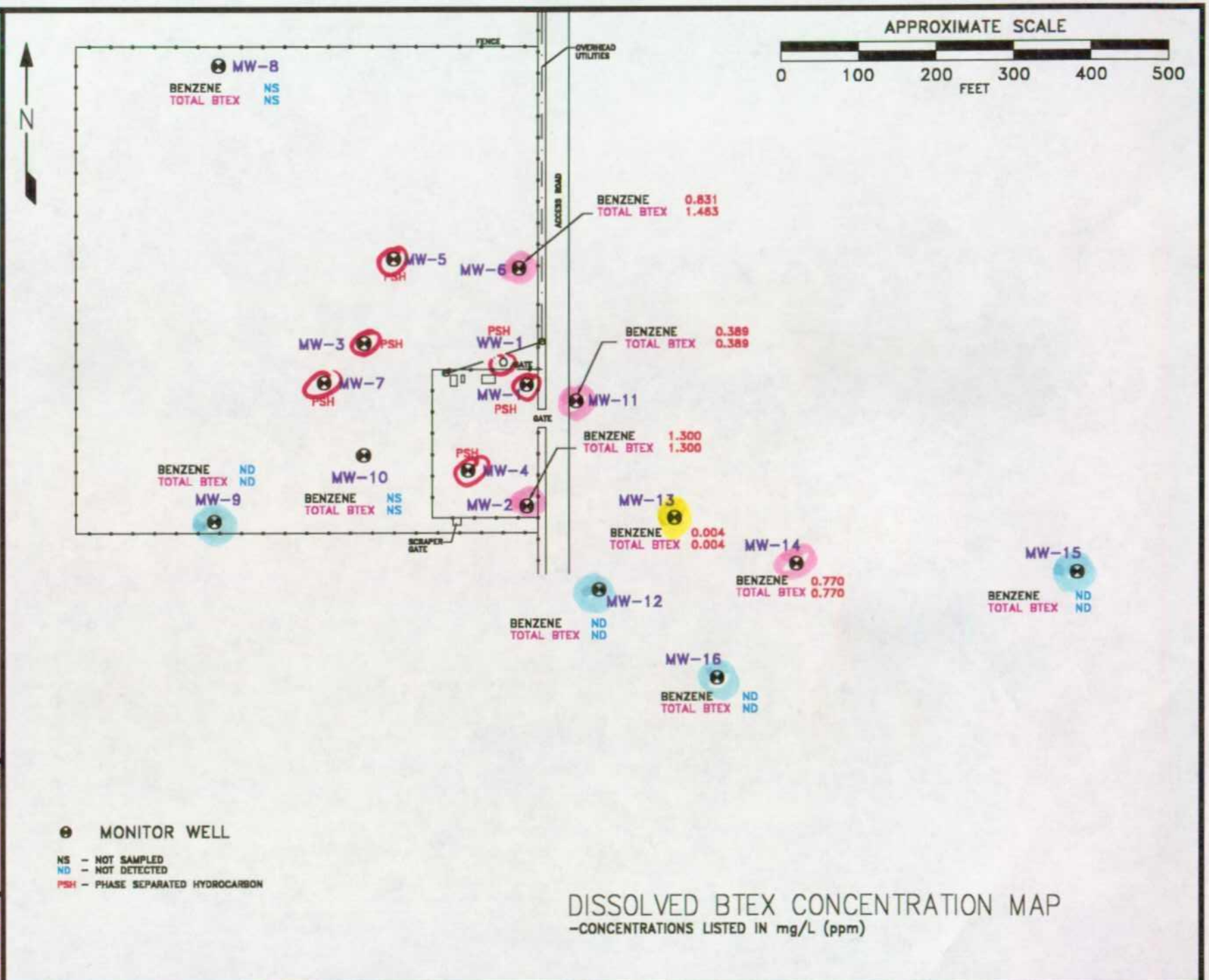
LEA COUNTY, NEW MEXICO

ENERCON SERVICES, INC.
2775 VILLA CREEK, SUITE 120
DALLAS, TEXAS 75234
972/484-3854

PROJECT NO. EQ-101

DATE October, 2001

FIGURE 3



DISSOLVED BTEX CONCENTRATION MAP

-CONCENTRATIONS LISTED IN mg/L (ppm)

ATTACHMENT B

TABLES

Relative Groundwater Elevations, PSH Thickness, and Manual PSH Recovery-(Table1)
Groundwater Concentrations (Table 2)
Automated Recovery (Table 3)

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	12/23/96	99.53	101.96	56.10	57.62	45.71	1.52	1.50	27.25	Hand Bailed
	01/10/97	99.53	101.96	56.48	57.81	45.35	1.33	1.50	28.75	Hand Bailed
	02/13/97	99.53	101.96	54.96	56.21	46.88	1.25	1.00	29.75	Hand Bailed
	03/13/97	99.53	101.96	53.87	55.42	47.94	1.55	1.00	30.75	Absorbent Boom/Hand Bailed
	04/08/97	99.53	101.96	54.09	55.30	47.75	1.21	1.00	31.75	Hand Bailed
	05/07/97	99.53	101.96	56.77		45.12	0.67		31.75	
	06/18/97	99.53	101.96	55.61	56.18	46.29	0.57	1.00	32.75	Hand Bailed
	07/15/97	99.53	101.96	55.61		46.29	0.57		32.75	Not Bailed
	08/04/97	99.53	101.96	55.25	55.71	46.66	0.46	1.00	33.75	Hand Bailed
	09/01/97	99.53	101.96	54.94	55.32	46.98	0.38	0.50	34.25	Hand Bailed
	10/03/97	99.53	101.96	54.16	54.60	47.76	0.44	0.50	34.75	Hand Bailed
	11/08/97	99.53	101.96	54.18	54.49	47.75	0.31	0.50	35.25	Hand Bailed
	01/21/98	99.53	101.96	56.32	61.34	45.14	5.02	5.98	41.23	Hand Bailed/Boom
	02/17/98	99.53	101.96	59.43	62.03	42.27	2.60	3.98	45.21	Hand Bailed/Boom
	04/01/98	99.53	101.96	56.76	60.22	44.85	3.46	5.98	51.19	Hand Bailed/Boom
	05/04/98	99.53	101.96	56.79	60.50	44.80	3.71	5.98	57.17	Hand Bailed/Boom
	07/07/98	99.53	101.96	54.10	57.01	47.57	2.91	0.98	58.15	Absorption Boom
	10/01/98	99.53	101.96	56.85	61.11	44.68	4.26	3.98	62.13	Absorption Boom
	01/12/99	99.53	101.96	57.34	58.97	44.46	1.63	1.35	63.48	Absorption Boom
	04/14/99	99.53	101.96	57.80	58.25	44.12	0.45	0.50	63.98	Absorption Boom
	06/15/99	99.53	101.96	58.12	58.13	43.84	0.01		63.98	Ferret Automated recovery system
	07/09/99	99.53	101.96		58.29	43.67	0.00		63.98	
	08/10/99	99.53	101.96		58.30	43.66	0.00		63.98	
	09/18/99	99.53	101.96		58.31	43.65	0.00		63.98	
	10/30/99	99.53	101.96	58.45	58.58	43.50	0.13		63.98	
	11/28/99	99.53	101.96		58.42	43.54	0.00		63.98	
	12/28/99	99.53	101.96		58.29	43.67	0.00		63.98	
	01/12/00	99.53	101.96	58.45	58.47	43.51	0.02		63.98	
	02/07/00	99.53	101.96	58.64	58.66	43.32	0.02		63.98	
	03/31/00	99.53	101.96		58.64	43.32	0.00		63.98	
	04/26/00	99.53	101.96		58.66	43.30	0.00		63.98	

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	05/31/00	99.53	101.96	58.43	60.10	43.36	1.67		63.98	
	06/30/00	99.53	101.96	58.77	58.79	43.19	0.02		63.98	
	07/13/00	99.53	101.96	58.82	58.83	43.14	0.01		63.98	
	08/31/00	99.53	101.96		58.98	42.98	0.00		63.98	
	09/22/00	99.53	101.96		58.49	43.47	0.00		63.98	
	10/04/00	99.53	101.96	58.83	58.84	43.13	0.01		63.98	
	01/04/01	99.53	101.96	58.70	59.29	43.20	0.59		63.98	
	04/26/01	99.53	101.96		59.44	42.52	0.00		63.98	
	07/11/01	99.53	101.96		59.63	42.33	0.00		63.98	
	10/03/01	99.53	101.96	59.11	62.30	42.53	3.19		63.98	Readjusted Pump
MW-2	12/23/96	97.68	99.83	NG		NG	NG			
	01/10/97	97.68	99.83	NG		NG	NG			
	02/13/97	97.68	99.83	NG		NG	NG			
	03/13/97	97.68	99.83	NG		NG	NG			
	04/08/97	97.68	99.83		54.84	44.99	0.00			
	05/07/97	97.68	99.83	NG		NG	NG			
	06/18/97	97.68	99.83		53.71	46.12	0.00			
	07/15/97	97.68	99.83	NG		NG	NG			
	08/04/97	97.68	99.83	NG		NG	NG			
	09/01/97	97.68	99.83	NG		NG	NG			
	10/03/97	97.68	99.83	NG		NG	NG			
	11/08/97	97.68	99.83	NG		NG	NG			
	01/21/98	97.68	99.83		55.22	44.61	0.00			
	02/17/98	97.68	99.83	NG		NG	NG			
	04/01/98	97.68	99.83		55.22	44.61	0.00			
	05/04/98	97.68	99.83		55.28	44.55	0.00			
	07/07/98	97.68	99.83		55.39	44.44	0.00			
	10/01/98	97.68	99.83		55.55	44.28	0.00			
	01/12/99	97.68	99.83		55.64	44.19	0.00			
	04/14/99	97.68	99.83		55.75	44.08	0.00			
	06/15/99	97.68	99.83		55.81	44.02	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	07/09/99	97.68	99.83		55.85	43.98	0.00			
	08/10/99	97.68	99.83		55.87	43.96	0.00			
	09/18/99	97.68	99.83		55.93	43.90	0.00			
	10/30/99	97.68	99.83		56.04	43.79	0.00			
	11/28/99	97.68	99.83		56.04	43.79	0.00			
	12/28/99	97.68	99.83		56.10	43.73	0.00			
	01/12/00	97.68	99.83		56.11	43.72	0.00			
	02/07/00	97.68	99.83		56.13	43.70	0.00			
	03/31/00	97.68	99.83		56.21	43.62	0.00			
	04/26/00	97.68	99.83		56.21	43.62	0.00			
	05/31/00	97.68	99.83		56.27	43.56	0.00			
	06/30/00	97.68	99.83		56.32	43.51	0.00			
	07/13/00	97.68	99.83		56.35	43.48	0.00			
	08/31/00	97.68	99.83		56.40	43.43	0.00			
	09/22/00	97.68	99.83		56.42	43.41	0.00			
	10/04/00	97.68	99.83		56.46	43.37	0.00			
	01/04/01	97.68	99.83		56.59	43.24	0.00			
	04/26/01	97.68	99.83		56.73	43.10	0.00			
	07/11/01	97.68	99.83		56.83	43.00	0.00			
	10/03/01	97.68	99.83		56.96	42.87	0.00			
MW-3	12/23/96	99.51	99.58	54.16	54.68	45.37	0.52		183.00	ORS automated recovery system
	01/10/97	99.51	99.58	53.65	55.57	45.74	1.92		183.00	
	02/13/97	99.51	99.58	53.75	55.18	45.69	1.43		183.00	
	03/13/97	99.51	99.58	53.51	54.37	45.98	0.86		183.00	
	04/08/97	99.51	99.58	53.50	54.25	46.01	0.75		183.00	
	05/07/97	99.51	99.58	55.06	57.62	44.26	2.56		183.00	
	06/18/97	99.51	99.58	54.18	55.02	45.32	0.84		183.00	
	07/15/97	99.51	99.58	54.11	54.92	45.39	0.81		183.00	
	08/04/97	99.51	99.58	54.18	54.88	45.33	0.70		183.00	
	09/01/97	99.51	99.58	53.76	54.61	45.74	0.85		183.00	
	10/03/97	99.51	99.58	53.67	54.32	45.85	0.65		183.00	

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	11/08/97	99.51	99.58	53.46	54.22	46.04	0.76		183.00	
	01/21/98	99.51	99.58	54.75	55.25	44.78	0.50		183.00	
	02/17/98	99.51	99.58	53.45	58.83	45.59	5.38		183.00	
	04/01/98	99.51	99.58	53.59	59.17	45.43	5.58		183.00	
	05/04/98	99.51	99.58	54.45	55.92	44.98	1.47		183.00	
	07/07/98	99.51	99.58	55.00	55.71	44.51	0.71		183.00	
	10/01/98	99.51	99.58	53.10	53.59	46.43	0.49		183.00	
	01/12/99	99.51	99.58	54.34	59.56	44.72	5.22		183.00	
	04/14/99	99.51	99.58	55.30	56.40	44.17	1.10	2.50	185.50	
	06/15/99	99.51	99.58	55.34	55.67	44.21	0.33		185.50	
	07/09/99	99.51	99.58	54.96	55.55	44.56	0.59		185.50	
	08/10/99	99.51	99.58	55.51	55.52	44.07	0.01		185.50	
	09/18/99	99.51	99.58	55.59	55.83	43.97	0.24		185.50	
	10/30/99	99.51	99.58	55.76	55.87	43.81	0.11		185.50	
	11/28/99	99.51	99.58	55.78	56.24	43.75	0.46		185.50	
	12/28/99	99.51	99.58	55.54	56.30	43.96	0.76		185.50	
	01/12/00	99.51	99.58	55.22	57.40	44.14	2.18		185.50	
	02/07/00	99.51	99.58	55.81	55.94	43.76	0.13		185.50	
	03/31/00	99.51	99.58	55.57	55.88	43.98	0.31		185.50	
	04/26/00	99.51	99.58	55.77	55.87	43.80	0.10		185.50	
	05/31/00	99.51	99.58	55.90	56.93	43.58	1.03		185.50	
	06/30/00	99.51	99.58	56.23	56.51	43.32	0.28		185.50	
	07/13/00	99.51	99.58	55.93	57.20	43.52	1.27		185.50	
	08/31/00	99.51	99.58	55.98	57.35	43.46	1.37		185.50	
	09/22/00	99.51	99.58	55.63	56.94	43.82	1.31		185.50	
	10/04/00	99.51	99.58		56.24	43.34	0.00		185.50	
	01/04/01	99.51	99.58	55.97	56.80	43.53	0.83		185.50	
	04/26/01	99.51	99.58	56.57	56.62	43.01	0.05		185.50	
	07/11/01	99.51	99.58		56.66	42.92	0.00		185.50	
	10/03/01	99.51	99.58	56.38	57.10	43.13	0.72		185.50	
MW-4	12/23/96	98.25	99.97	54.57	54.85	45.37	0.28	0.50	2.70	Hand Bailed

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	01/10/97	98.25	99.97	55.59	55.70	44.37	0.11	0.50	3.20	Hand Bailed
	02/13/97	98.25	99.97	55.20	55.35	44.76	0.15	0.50	3.70	Hand Bailed
	03/13/97	98.25	99.97	54.41	54.64	45.54	0.23	0.50	4.20	Absorbent Boom/Hand Bailed
	04/08/97	98.25	99.97	53.94	54.41	45.98	0.47	0.50	4.70	Hand Bailed
	05/07/97	98.25	99.97	55.63	56.02	44.30	0.39		4.70	
	06/18/97	98.25	99.97	54.84	55.28	45.09	0.44	0.50	5.20	Hand Bailed
	07/15/97	98.25	99.97	54.56	55.07	45.36	0.51	0.00	5.20	Not Bailed
	08/04/97	98.25	99.97	55.05	55.26	44.90	0.21	0.50	5.70	Hand Bailed
	09/01/97	98.25	99.97	54.64	54.85	45.31	0.21	0.50	6.20	Hand Bailed
	10/03/97	98.25	99.97	54.36	54.58	45.59	0.22	0.50	6.70	Hand Bailed
	11/08/97	98.25	99.97	54.30	54.80	45.62	0.50	0.50	7.20	Hand Bailed
	01/21/98	98.25	99.97	54.85	57.20	44.89	2.35	2.98	10.18	Hand Bailed/Boom
	02/17/98	98.25	99.97	55.06	55.80	44.84	0.74	1.48	11.66	Hand Bailed/Boom
	04/01/98	98.25	99.97	55.17	55.73	44.74	0.56	3.98	15.64	Hand Bailed/Boom
	05/04/98	98.25	99.97	55.25	55.50	44.70	0.25	1.00	16.64	Hand Bailed/Boom
	07/07/98	98.25	99.97	55.30	55.75	44.63	0.45	0.98	17.62	Absorption Boom
	10/01/98	98.25	99.97	55.40	56.12	44.50	0.72	1.98	19.60	Absorption Boom
	01/12/99	98.25	99.97	55.49	56.21	44.41	0.72	1.50	21.10	Absorption Boom/Hand Bailed
	04/14/99	98.25	99.97	55.63	56.10	44.29	0.47	1.00	22.10	Absorption Boom/Hand Bailed
	06/15/99	98.25	99.97	55.78	56.62	44.11	0.84		22.10	
	07/09/99	98.25	99.97	55.78	56.78	44.09	1.00	2.00	24.10	Absorption Boom/Hand Bailed
	08/10/99	98.25	99.97	55.65	56.77	44.21	1.12	2.00	26.10	Absorption Boom/Hand Bailed
	09/18/99	98.25	99.97	55.85	56.26	44.08	0.41	0.25	26.35	Absorption Boom/Hand Bailed
	10/30/99	98.25	99.97	55.93	56.28	44.01	0.35		26.35	
	11/28/99	98.25	99.97	56.00	56.30	43.94	0.30	0.25	26.60	Absorption Boom/Hand Bailed
	12/28/99	98.25	99.97	56.02	56.22	43.93	0.20	0.25	26.85	Absorption Boom/Hand Bailed
	01/12/00	98.25	99.97	56.06	56.11	43.91	0.05	0.25	27.10	Absorption Boom/Hand Bailed
	02/07/00	98.25	99.97	56.11	56.20	43.85	0.09	0.25	27.35	Absorption Boom/Hand Bailed
	03/31/00	98.25	99.97	56.20	56.39	43.75	0.19	0.25	27.60	Absorption Boom/Hand Bailed
	04/26/00	98.25	99.97	56.18	56.33	43.78	0.15	0.25	27.85	Absorption Boom/Hand Bailed
	05/31/00	98.25	99.97		56.39	43.58	0.00	0.25	28.10	Absorption Boom/Hand Bailed

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	06/30/00	98.25	99.97		56.42	43.55	0.00	0.25	28.35	Absorption Boom/Hand Bailed
	07/13/00	98.25	99.97		56.44	43.53	0.00	0.25	28.60	Absorption Boom/Hand Bailed
	08/31/00	98.25	99.97	56.40	56.41	43.57	0.01	0.25	28.85	Absorption Boom/Hand Bailed
	09/22/00	98.25	99.97		56.40	43.57	0.00	0.25	29.10	Absorption Boom/Hand Bailed
	10/04/00	98.25	99.97		56.46	43.51	0.00		29.10	Absorption Boom/Hand Bailed
	01/04/01	98.25	99.97		56.59	43.38	0.00	0.25	29.35	Absorption Boom
	04/26/01	98.25	99.97	56.66	57.00	43.28	0.34	0.25	29.60	Absorption Boom
	07/11/01	98.25	99.97	56.78	56.94	43.17	0.16	0.50	30.10	Absorption Boom
	10/03/01	98.25	99.97		56.95	43.02	0.00	0.50	30.60	Absorption Boom
MW-5	12/23/96	100.21	100.36	54.66	55.41	45.63	0.75		165.75	ORS Remediation System
	01/10/97	100.21	100.36	54.63	55.26	45.67	0.63		165.75	
	02/13/97	100.21	100.36	54.39	54.80	45.93	0.41		165.75	
	03/13/97	100.21	100.36	54.56	56.03	45.65	1.47		165.75	
	04/08/97	100.21	100.36	53.96	55.46	46.25	1.50		165.75	
	05/07/97	100.21	100.36	55.04	56.08	45.22	1.04		165.75	
	06/18/97	100.21	100.36	54.54	56.30	45.64	1.76		165.75	
	07/15/97	100.21	100.36	53.98	55.60	46.22	1.62		165.75	
	08/04/97	100.21	100.36	54.19	56.03	45.99	1.84		165.75	
	09/01/97	100.21	100.36	54.10	55.72	46.10	1.62		165.75	
	10/03/97	100.21	100.36	53.25	54.83	46.95	1.58		165.75	
	11/08/97	100.21	100.36	53.75	54.68	46.52	0.93		165.75	
	01/21/98	100.21	100.36	54.23	59.51	45.60	5.28		165.75	
	02/17/98	100.21	100.36	54.42	59.85	45.40	5.43		165.75	
	04/01/98	100.21	100.36	54.22	59.65	45.60	5.43		165.75	
	05/04/98	100.21	100.36	54.38	59.55	45.46	5.17		165.75	
	07/07/98	100.21	100.36	54.59	59.35	45.29	4.76		165.75	
	10/01/98	100.21	100.36	54.51	59.71	45.33	5.20		165.75	
	01/12/99	100.21	100.36	57.01	59.22	43.13	2.21		165.75	
	04/14/99	100.21	100.36	55.39	56.94	44.82	1.55	2.50	168.25	ORS system failed, Hand Bail
	06/15/99	100.21	100.36	55.92	56.34	44.40	0.42		168.25	Ferrett automated recovery system
	07/09/99	100.21	100.36	55.69	56.24	44.62	0.55		168.25	

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Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	08/10/99	100.21	100.36	56.10	56.40	44.23	0.30		168.25	
	09/18/99	100.21	100.36	56.22	56.45	44.12	0.23		168.25	
	10/30/99	100.21	100.36	56.21	56.63	44.11	0.42		168.25	
	11/28/99	100.21	100.36	56.33	56.82	43.98	0.49		168.25	
	12/28/99	100.21	100.36	56.40	56.53	43.95	0.13		168.25	
	01/12/00	100.21	100.36	56.25	56.56	44.08	0.31		168.25	
	02/07/00	100.21	100.36	56.41	56.59	43.93	0.18		168.25	
	03/31/00	100.21	100.36	56.60	56.62	43.76	0.02		168.25	
	04/26/00	100.21	100.36	56.32	56.33	44.04	0.01		168.25	
	05/31/00	100.21	100.36		56.79	43.57	0.00		168.25	
	06/30/00	100.21	100.36		56.34	44.02	0.00		168.25	Ferrett disconnected/hose ruptured
	07/13/00	100.21	100.36	56.24	56.43	44.10	0.19	0.25	168.50	Absorbtion Boom
	08/31/00	100.21	100.36	56.40	56.72	43.93	0.32	0.25	168.75	Absorbtion Boom
	09/22/00	100.21	100.36	56.62	56.63	43.74	0.01	0.50	169.25	Absorbtion Boom
	10/04/00	100.21	100.36		56.55	43.81	0.00		169.25	Absorbtion Boom
	01/04/01	100.21	100.36		56.90	43.46	0.00	1.50	170.75	Absorbtion Boom
	04/26/01	100.21	100.36	56.68	57.08	43.64	0.40	2.25	173.00	Absorbtion Boom
	07/11/01	100.21	100.36	56.85	57.32	43.46	0.47	0.75	173.75	Absorbtion Boom
	10/03/01	100.21	100.36	56.98	57.05	43.37	0.07	1.00	174.75	Absorbtion Boom
MW-6	12/23/96	99.81	101.86	NG	NG	NG	NG			
	01/10/97	99.81	101.86	NG	NG	NG	NG			
	02/13/97	99.81	101.86	NG	NG	NG	NG			
	03/13/97	99.81	101.86	NG	NG	NG	NG			
	04/08/97	99.81	101.86		56.42	45.44	0.00			
	05/07/97	99.81	101.86	NG	NG	NG	NG			
	06/18/97	99.81	101.86		54.14	47.72	0.00			
	07/15/97	99.81	101.86	NG	NG	NG	NG			
	08/04/97	99.81	101.86	NG	NG	NG	NG			
	09/01/97	99.81	101.86	NG	NG	NG	NG			
	10/03/97	99.81	101.86	NG	NG	NG	NG			
	11/08/97	99.81	101.86	NG	NG	NG	NG			

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Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	01/21/98	99.81	101.86		55.81	46.05	0.00			
	02/17/98	99.81	101.86	NG	NG	NG	NG			
	04/01/98	99.81	101.86		56.89	44.97	0.00			
	05/04/98	99.81	101.86		56.90	44.96	0.00			
	07/07/98	99.81	101.86		56.99	44.87	0.00			
	10/01/98	99.81	101.86		57.10	44.76	0.00			
	01/12/99	99.81	101.86		57.24	44.62	0.00			
	04/14/99	99.81	101.86		57.34	44.52	0.00			
	06/15/99	99.81	101.86	NG	NG	NG	NG			
	07/09/99	99.81	101.86		57.44	44.42	0.00	0.25	0.25	Heavy sheen, Absorbent Boom
	08/10/99	99.81	101.86		57.50	44.36	0.00		0.25	Sheen
	09/18/99	99.81	101.86		57.55	44.31	0.00	0.25	0.50	Absorbent Boom
	10/30/99	99.81	101.86		57.61	44.25	0.00		0.50	Absorbent Boom
	11/28/99	99.81	101.86		57.65	44.21	0.00		0.50	Absorbent Boom
	12/28/99	99.81	101.86		57.71	44.15	0.00	0.25	0.75	Absorbent Boom
	01/12/00	99.81	101.86		57.73	44.13	0.00		0.75	Absorbent Boom
	02/07/00	99.81	101.86		57.75	44.11	0.00		0.75	Absorbent Boom
	03/31/00	99.81	101.86		57.75	44.11	0.00		0.75	Absorbent Boom
	04/26/00	99.81	101.86	57.83	57.84	44.03	0.01	0.25	1.00	Absorbent Boom
	05/31/00	99.81	101.86		57.95	43.91	0.00		1.00	Absorbent Boom
	06/30/00	99.81	101.86		57.97	43.89	0.00		1.00	Absorbent Boom
	07/13/00	99.81	101.86		57.99	43.87	0.00		1.00	Absorbent Boom
	08/31/00	99.81	101.86		58.04	43.82	0.00	0.25	1.25	Absorbent Boom
	09/22/00	99.81	101.86	58.05	58.06	43.81	0.01		1.25	Absorbent Boom
	10/04/00	99.81	101.86		58.11	43.75	0.00	0.25	1.50	Absorbent Boom
	01/04/01	99.81	101.86		58.20	43.66	0.00	0.25	1.75	Absorbent Boom
	04/26/01	99.81	101.86		58.36	43.50	0.00		1.75	Absorbent Boom
	07/11/01	99.81	101.86	58.40	58.58	43.44	0.18	0.25	2.00	Absorbent Boom
	10/03/01	99.81	101.86		58.61	43.25	0.00	0.50	2.50	Absorbent Boom
MW-7	12/23/96	99.24	101.92	53.41	58.03	48.05	4.62		176.25	ORS Remediation system
	01/10/97	99.24	101.92	53.17	56.33	48.43	3.16		176.25	

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Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	02/13/97	99.24	101.92	54.22	55.67	47.56	1.45		176.25	
	03/13/97	99.24	101.92	53.59	54.84	48.21	1.25		176.25	
	04/08/97	99.24	101.92	53.65	54.58	48.18	0.93		176.25	
	05/07/97	99.24	101.92	55.16	57.33	46.54	2.17		176.25	
	06/18/97	99.24	101.92	52.41	55.27	49.22	2.86		176.25	
	07/15/97	99.24	101.92	52.71	55.47	48.93	2.76		176.25	
	08/04/97	99.24	101.92	52.67	55.33	48.98	2.66		176.25	
	09/01/97	99.24	101.92	52.81	55.21	48.87	2.40		176.25	
	10/03/97	99.24	101.92	52.53	54.80	49.16	2.27		176.25	
	11/08/97	99.24	101.92	52.67	54.27	49.09	1.60		176.25	
	01/21/98	99.24	101.92	53.15	59.45	48.14	6.30		176.25	
	02/17/98	99.24	101.92	52.59	59.99	48.59	7.40		176.25	
	04/01/98	99.24	101.92	52.92	59.88	48.30	6.96		176.25	
	05/04/98	99.24	101.92	54.12	55.51	47.66	1.39		176.25	
	07/07/98	99.24	101.92	54.18	55.45	47.61	1.27		176.25	
	10/01/98	99.24	101.92	54.50	55.52	47.32	1.02		176.25	
	01/12/99	99.24	101.92	53.62	59.62	47.70	6.00		176.25	
	04/14/99	99.24	101.92	53.33	60.70	47.85	7.37	10.00	186.25	ORS system failed, Hand Bail
	06/15/99	99.24	101.92	54.40	57.20	47.24	2.80		186.25	Ferrett automated recovery system
	07/09/99	99.24	101.92	54.32	56.63	47.37	2.31		186.25	
	08/10/99	99.24	101.92		55.05	46.87	0.00		186.25	
	09/18/99	99.24	101.92		55.16	46.76	0.00		186.25	
	10/30/99	99.24	101.92	55.05	55.06	46.87	0.01		186.25	
	11/28/99	99.24	101.92		55.10	46.82	0.00		186.25	
	12/28/99	99.24	101.92	54.98	56.09	46.83	1.11		186.25	
	01/12/00	99.24	101.92	54.52	58.05	47.05	3.53		186.25	
	02/07/00	99.24	101.92	55.00	56.97	46.72	1.97		186.25	
	03/31/00	99.24	101.92	54.63	57.05	47.05	2.42		186.25	Pump repaired and replaced
	04/26/00	99.24	101.92		54.25	47.67	0.00		186.25	
	05/31/00	99.24	101.92	54.22	60.50	47.07	6.28		186.25	Regulator quit/Will replace with new one
	06/30/00	99.24	101.92	55.36	55.71	46.53	0.35		186.25	Switched pump from MW-5 to MW-7

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	07/13/00	99.24	101.92	55.52	55.57	46.40	0.05		186.25	
	08/31/00	99.24	101.92	55.62	55.93	46.27	0.31		186.25	
	09/22/00	99.24	101.92	55.55	55.85	46.34	0.30		186.25	
	10/04/00	99.24	101.92	55.52	55.60	46.39	0.08		186.25	
	01/04/01	99.24	101.92	55.90	56.61	45.95	0.71		186.25	
	04/26/01	99.24	101.92		55.93	45.99	0.00		186.25	
	07/11/01	99.24	101.92		56.05	45.87	0.00		186.25	
	10/03/01	99.24	101.92	55.40	59.31	46.13	3.91		186.25	Readjusted pump
MW-8	12/23/96	99.24	101.92	NG	NG	NG	NG			
	01/10/97	99.24	101.92	NG	NG	NG	NG			
	02/13/97	99.24	101.92	NG	NG	NG	NG			
	03/13/97	99.24	101.92	NG	NG	NG	NG			
	04/08/97	99.24	101.92		55.70	46.22	0.00			
	05/07/97	99.24	101.92	NG	NG	NG	NG			
	06/18/97	99.24	101.92	NG	NG	NG	NG			
	07/15/97	99.24	101.92		55.82	46.10	0.00			
	08/04/97	99.24	101.92	NG	NG	NG	NG			
	09/01/97	99.24	101.92	NG	NG	NG	NG			
	10/03/97	99.24	101.92		55.21	46.71	0.00			
	11/08/97	99.24	101.92	NG	NG	NG	NG			
	01/21/98	99.24	101.92		56.05	45.87	0.00			
	02/17/98	99.24	101.92	NG	NG	NG	NG			
	04/01/98	99.24	101.92		56.12	45.80	0.00			
	05/04/98	99.24	101.92		56.15	45.77	0.00			
	07/07/98	99.24	101.92		56.24	45.68	0.00			
	10/01/98	99.24	101.92		55.35	46.57	0.00			
	01/12/99	99.24	101.92		56.50	45.42	0.00			
	04/14/99	99.24	101.92		56.60	45.32	0.00			
	07/09/99	99.24	101.92		56.69	45.23	0.00			
	08/10/99	99.24	101.92		56.74	45.18	0.00			
	09/18/99	99.24	101.92		56.80	45.12	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	10/30/99	99.24	101.92		56.85	45.07	0.00			
	11/28/99	99.24	101.92		56.90	45.02	0.00			
	12/28/99	99.24	101.92		56.93	44.99	0.00			
	01/12/00	99.24	101.92		56.94	44.98	0.00			
	02/07/00	99.24	101.92		56.99	44.93	0.00			
	03/31/00	99.24	101.92		57.06	44.86	0.00			
	04/26/00	99.24	101.92		57.08	44.84	0.00			
	05/31/00	99.24	101.92		57.15	44.77	0.00			
	06/30/00	99.24	101.92		57.17	44.75	0.00			
	07/13/00	99.24	101.92		57.20	44.72	0.00			
	08/31/00	99.24	101.92		57.27	44.65	0.00			
	09/22/00	99.24	101.92		57.29	44.63	0.00			
	10/04/00	99.24	101.92		57.31	44.61	0.00			
	01/04/01	99.24	101.92		57.42	44.50	0.00			
	04/26/01	99.24	101.92		57.60	44.32	0.00			
	07/11/01	99.24	101.92		57.67	44.25	0.00			
	10/03/01	99.24	101.92		57.79	44.13	0.00			
MW-9	12/23/96	98.16	100.22	NG	NG	NG	NG			
	01/10/97	98.16	100.22	NG	NG	NG	NG			
	02/13/97	98.16	100.22	NG	NG	NG	NG			
	03/13/97	98.16	100.22	NG	NG	NG	NG			
	04/08/97	98.16	100.22		54.78	45.44	0.00			
	05/07/97	98.16	100.22	NG	NG	NG	NG			
	06/18/97	98.16	100.22	NG	NG	NG	NG			
	07/15/97	98.16	100.22		55.07	45.15	0.00			
	08/04/97	98.16	100.22	NG	NG	NG	NG			
	09/01/97	98.16	100.22	NG	NG	NG	NG			
	10/03/97	98.16	100.22		54.66	45.56	0.00			
	11/08/97	98.16	100.22	NG	NG	NG	NG			
	01/21/98	98.16	100.22		55.17	45.05	0.00			
	02/17/98	98.16	100.22	NG	NG	NG	NG			

TABLE 1

DENTON STATION

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	04/01/98	98.16	100.22		55.24	44.98	0.00			
	05/04/98	98.16	100.22		55.27	44.95	0.00			
	07/07/98	98.16	100.22		52.35	47.87	0.00			
	10/01/98	98.16	100.22		55.48	44.74	0.00			
	01/12/99	98.16	100.22		55.58	44.64	0.00			
	04/14/99	98.16	100.22		55.69	44.53	0.00			
	07/09/99	98.16	100.22		55.79	44.43	0.00			
	08/10/99	98.16	100.22		54.01	46.21	0.00			
	09/18/99	98.16	100.22		55.87	44.35	0.00			
	10/30/99	98.16	100.22		55.95	44.27	0.00			
	11/28/99	98.16	100.22		55.97	44.25	0.00			
	12/28/99	98.16	100.22		56.01	44.21	0.00			
	01/12/00	98.16	100.22		56.02	44.20	0.00			
	02/07/00	98.16	100.22		56.07	44.15	0.00			
	03/31/00	98.16	100.22		56.13	44.09	0.00			
	04/26/00	98.16	100.22		56.14	44.08	0.00			
	05/31/00	98.16	100.22		56.23	43.99	0.00			
	06/30/00	98.16	100.22		56.25	43.97	0.00			
	07/13/00	98.16	100.22		56.27	43.95	0.00			
	08/31/00	98.16	100.22		56.35	43.87	0.00			
	09/22/00	98.16	100.22		56.39	43.83	0.00			
	10/04/00	98.16	100.22		56.38	43.84	0.00			
	01/04/01	98.16	100.22		56.50	43.72	0.00			
	04/26/01	98.16	100.22		56.64	43.58	0.00			
	07/11/01	98.16	100.22		56.75	43.47	0.00			
	10/03/01	98.16	100.22		56.84	43.38	0.00			
MW-10	12/23/96	98.20	98.28	NG	NG	NG	NG			
	01/10/97	98.20	98.28	NG	NG	NG	NG			
	02/13/97	98.20	98.28	NG	NG	NG	NG			
	03/13/97	98.20	98.28	NG	NG	NG	NG			
	04/08/97	98.20	98.28		52.92	45.36	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative *Ground* Surface Elevation (feet)	Relative *Top of* Casing Elevation (feet)*	Depth to *PSH Below* Top of Casing (feet)	Depth to *Water Below* Top of Casing (feet)	Corrected *Relative* Groundwater Elevation (feet)**	Phase *Separated* Hydrocarbon Thickness (feet)	PSH *Recovery* (gallons)	PSH *Cumulative* Recovery (gallons)	Type of Recovery
	05/07/97	98.20	98.28	NG	NG	NG	NG			
	06/18/97	98.20	98.28	NG	NG	NG	NG			
	07/15/97	98.20	98.28		54.16	44.12	0.00			
	08/04/97	98.20	98.28	NG	NG	NG	NG			
	09/01/97	98.20	98.28	NG	NG	NG	NG			
	10/03/97	98.20	98.28		54.03	44.25	0.00			
	11/08/97	98.20	98.28	NG	NG	NG	NG			
	01/21/98	98.20	98.28		53.32	44.96	0.00			
	02/17/98	98.20	98.28	NG	NG	NG	NG			
	04/01/98	98.20	98.28		53.40	44.88	0.00			
	05/04/98	98.20	98.28		53.42	44.86	0.00			
	07/07/98	98.20	98.28		52.51	45.77	0.00			
	10/01/98	98.20	98.28		53.64	44.64	0.00			
	01/12/99	98.20	98.28		53.75	44.53	0.00			
	04/14/99	98.20	98.28		53.92	44.36	0.00			
	07/09/99	98.20	98.28		53.98	44.30	0.00			
	08/10/99	98.20	98.28		54.01	44.27	0.00			
	09/18/99	98.20	98.28		54.06	44.22	0.00			
	10/30/99	98.20	98.28		54.13	44.15	0.00			
	11/28/99	98.20	98.28		54.16	44.12	0.00			
	12/28/99	98.20	98.28		54.22	44.06	0.00			
	01/12/00	98.20	98.28		54.22	44.06	0.00			
	02/07/00	98.20	98.28		54.26	44.02	0.00			
	03/31/00	98.20	98.28		54.33	43.95	0.00			
	04/26/00	98.20	98.28		54.34	43.94	0.00			
	05/31/00	98.20	98.28		54.41	43.87	0.00			
	06/30/00	98.20	98.28		54.43	43.85	0.00			
	07/13/00	98.20	98.28		54.49	43.79	0.00			
	08/31/00	98.20	98.28		54.54	43.74	0.00			
	09/22/00	98.20	98.28		54.59	43.69	0.00			
	10/04/00	98.20	98.28		54.57	43.71	0.00			

TABLE 1

DENTON STATION

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	01/04/01	98.20	98.28		54.70	43.58	0.00			
	04/26/01	98.20	98.28		54.85	43.43	0.00			
	07/11/01	98.20	98.28	54.93	54.95	43.35	0.02			
	10/03/01	98.20	98.28	55.03	55.05	43.25	0.02			
MW-11	12/23/96	99.38	99.45	NG	NG	NG	NG			
	01/10/97	99.38	99.45	NG	NG	NG	NG			
	02/13/97	99.38	99.45	NG	NG	NG	NG			
	03/13/97	99.38	99.45	NG	NG	NG	NG			
	04/08/97	99.38	99.45		54.18	45.27	0.00			
	05/07/97	99.38	99.45	NG	NG	NG	NG			
	06/18/97	99.38	99.45		53.55	45.90	0.00			
	07/15/97	99.38	99.45	NG	NG	NG	NG			
	08/04/97	99.38	99.45	NG	NG	NG	NG			
	09/01/97	99.38	99.45	NG	NG	NG	NG			
	10/03/97	99.38	99.45	NG	NG	NG	NG			
	11/08/97	99.38	99.45	NG	NG	NG	NG			
	01/21/98	99.38	99.45		54.89	44.56	0.00			
	02/17/98	99.38	99.45	NG	NG	NG	NG			
	04/01/98	99.38	99.45		54.94	44.51	0.00			
	05/04/98	99.38	99.45		54.98	44.47	0.00			
	07/07/98	99.38	99.45		55.06	44.39	0.00			
	10/01/98	99.38	99.45		55.15	44.30	0.00			
	01/12/99	99.38	99.45		55.32	44.13	0.00			
	04/14/99	99.38	99.45		55.42	44.03	0.00			
	07/09/99	99.38	99.45		55.53	43.92	0.00			
	08/10/99	99.38	99.45		55.57	43.88	0.00			
	09/18/99	99.38	99.45		55.61	43.84	0.00			
	10/30/99	99.38	99.45		55.69	43.76	0.00			
	11/28/99	99.38	99.45		55.70	43.75	0.00			
	12/28/99	99.38	99.45		55.78	43.67	0.00			
	01/12/00	99.38	99.45		55.77	43.68	0.00			

TABLE 1

DENTON STATION

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	02/07/00	99.38	99.45		55.81	43.64	0.00			
	03/31/00	99.38	99.45		55.87	43.58	0.00			
	04/26/00	99.38	99.45		55.90	43.55	0.00			
	05/31/00	99.38	99.45		55.98	43.47	0.00			
	06/30/00	99.38	99.45		56.00	43.45	0.00			
	07/13/00	99.38	99.45		56.02	43.43	0.00			
	08/31/00	99.38	99.45		56.09	43.36	0.00			
	09/22/00	99.38	99.45		56.12	43.33	0.00			
	10/04/00	99.38	99.45		56.13	43.32	0.00			
	01/04/01	99.38	99.45		56.23	43.22	0.00			
	04/26/01	99.38	99.45		56.40	43.05	0.00			
	07/11/01	99.38	99.45		56.50	42.95	0.00			
	10/03/01	99.38	99.45		56.61	42.84	0.00			
MW-12	12/23/96	96.96	96.84	NG	NG	NG	NG			
	01/10/97	96.96	96.84	NG	NG	NG	NG			
	02/13/97	96.96	96.84	NG	NG	NG	NG			
	03/13/97	96.96	96.84	NG	NG	NG	NG			
	04/08/97	96.96	96.84		52.22	44.62	0.00			
	05/07/97	96.96	96.84	NG	NG	NG	NG			
	06/18/97	96.96	96.84	NG	NG	NG	NG			
	07/15/97	96.96	96.84		52.77	44.07	0.00			
	08/04/97	96.96	96.84	NG	NG	NG	NG			
	09/01/97	96.96	96.84	NG	NG	NG	NG			
	10/03/97	96.96	96.84		52.58	44.26	0.00			
	11/08/97	96.96	96.84	NG	NG	NG	NG			
	01/21/98	96.96	96.84		52.52	44.32	0.00			
	02/17/98	96.96	96.84	NG	NG	NG	NG			
	04/01/98	96.96	96.84		52.60	44.24	0.00			
	05/04/98	96.96	96.84		52.95	43.89	0.00			
	07/07/98	96.96	96.84		52.70	44.14	0.00			
	10/01/98	96.96	96.84		52.80	44.04	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	01/12/99	96.96	96.84		52.95	43.89	0.00			
	04/14/99	96.96	96.84		53.05	43.79	0.00			
	07/09/99	96.96	96.84		53.17	43.67	0.00			
	08/10/99	96.96	96.84		53.19	43.65	0.00			
	09/18/99	96.96	96.84		53.24	43.60	0.00			
	10/30/99	96.96	96.84		53.31	43.53	0.00			
	11/28/99	96.96	96.84		53.34	43.50	0.00			
	12/28/99	96.96	96.84		53.41	43.43	0.00			
	01/12/00	96.96	96.84		53.41	43.43	0.00			
	02/07/00	96.96	96.84		53.45	43.39	0.00			
	03/31/00	96.96	96.84		53.51	43.33	0.00			
	04/26/00	96.96	96.84		53.54	43.30	0.00			
	05/31/00	96.96	96.84		53.60	43.24	0.00			
	06/30/00	96.96	96.84		53.62	43.22	0.00			
	07/13/00	96.96	96.84		53.65	43.19	0.00			
	08/31/00	96.96	96.84		53.71	43.13	0.00			
	09/22/00	96.96	96.84		53.73	43.11	0.00			
	10/04/00	96.96	96.84		53.77	43.07	0.00			
	01/04/01	96.96	96.84		53.83	43.01	0.00			
	04/26/01	96.96	96.84		54.04	42.80	0.00			
	07/11/01	96.96	96.84		54.11	42.73	0.00			
	10/03/01	96.96	96.84		54.24	42.60	0.00			
MW-13	04/08/97	97.52	97.17		52.56	44.61	0.00			
	05/07/97	97.52	97.17	NG	NG	NG	NG			
	06/18/97	97.52	97.17	NG	NG	NG	NG			
	07/15/97	97.52	97.17		53.20	43.97	0.00			
	08/04/97	97.52	97.17	NG	NG	NG	NG			
	09/01/97	97.52	97.17		53.28	43.89	0.00			
	10/03/97	97.52	97.17		52.18	44.99	0.00			
	11/08/97	97.52	97.17	NG	NG	NG	NG			
	01/21/98	97.52	97.17		52.89	44.28	0.00			

TABLE 1

DENTON STATION

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	02/17/98	97.52	97.17	NG	NG	NG	NG			
	04/01/98	97.52	97.17		52.94	44.23	0.00			
	05/04/98	97.52	97.17		53.60	43.57	0.00			
	07/07/98	97.52	97.17		53.06	44.11	0.00			
	10/01/98	97.52	97.17		53.18	43.99	0.00			
	01/12/99	97.52	97.17		53.32	43.85	0.00			
	04/14/99	97.52	97.17		53.43	43.74	0.00			
	07/09/99	97.52	97.17		53.52	43.65	0.00			
	08/10/99	97.52	97.17		53.57	43.60	0.00			
	09/18/99	97.52	97.17		53.62	43.55	0.00			
	10/30/99	97.52	97.17		53.70	43.47	0.00			
	11/28/99	97.52	97.17		53.74	43.43	0.00			
	12/28/99	97.52	97.17		53.77	43.40	0.00			
	01/12/00	97.52	97.17		53.79	43.38	0.00			
	02/07/00	97.52	97.17		53.82	43.35	0.00			
	03/31/00	97.52	97.17		53.89	43.28	0.00			
	04/26/00	97.52	97.17		53.91	43.26	0.00			
	05/31/00	97.52	97.17		53.99	43.18	0.00			
	06/30/00	97.52	97.17		54.01	43.16	0.00			
	07/13/00	97.52	97.17		54.03	43.14	0.00			
	08/31/00	97.52	97.17		54.10	43.07	0.00			
	09/22/00	97.52	97.17		54.13	43.04	0.00			
	10/04/00	97.52	97.17		54.15	43.02	0.00			
	01/04/01	97.52	97.17		54.25	42.92	0.00			
	04/26/01	97.52	97.17		54.41	42.76	0.00			
	07/11/01	97.52	97.17		54.50	42.67	0.00			
	10/03/01	97.52	97.17		54.63	42.54	0.00			
MW-14	10/01/98	97.41	97.25		53.56	43.69	0.00			
	01/12/99	97.41	97.25		53.66	43.59	0.00			
	04/14/99	97.41	97.25		53.79	43.46	0.00			
	07/09/99	97.41	97.25		53.89	43.36	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	08/10/99	97.41	97.25		53.92	43.33	0.00			
	09/18/99	97.41	97.25		53.97	43.28	0.00			
	10/30/99	97.41	97.25		54.04	43.21	0.00			
	11/28/99	97.41	97.25		54.08	43.17	0.00			
	12/28/99	97.41	97.25		54.10	43.15	0.00			
	01/12/00	97.41	97.25		54.12	43.13	0.00			
	02/07/00	97.41	97.25		54.18	43.07	0.00			
	03/31/00	97.41	97.25		54.23	43.02	0.00			
	04/26/00	97.41	97.25		54.25	43.00	0.00			
	05/31/00	97.41	97.25		54.33	42.92	0.00			
	06/30/00	97.41	97.25		54.35	42.90	0.00			
	07/13/00	97.41	97.25		54.37	42.88	0.00			
	08/31/00	97.41	97.25		54.43	42.82	0.00			
	09/22/00	97.41	97.25		54.48	42.77	0.00			
	10/04/00	97.41	97.25		54.49	42.76	0.00			
	01/04/01	97.41	97.25		54.61	42.64	0.00			
	04/26/01	97.41	97.25		54.76	42.49	0.00			
	07/11/01	97.41	97.25		54.85	42.40	0.00			
	10/03/01	97.41	97.25		54.96	42.29	0.00			
MW-15	01/12/99	98.28	98.14		55.31	42.83	0.00			
	04/14/99	98.28	98.14		55.40	42.74	0.00			
	07/09/99	98.28	98.14		55.52	42.62	0.00			
	08/10/99	98.28	98.14		55.56	42.58	0.00			
	09/18/99	98.28	98.14		55.61	42.53	0.00			
	10/30/99	98.28	98.14		55.68	42.46	0.00			
	11/28/99	98.28	98.14		55.72	42.42	0.00			
	12/28/99	98.28	98.14		55.75	42.39	0.00			
	01/12/00	98.28	98.14		55.78	42.36	0.00			
	02/07/00	98.28	98.14		55.83	42.31	0.00			
	03/31/00	98.28	98.14		55.88	42.26	0.00			
	04/26/00	98.28	98.14		55.90	42.24	0.00			

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	05/31/00	98.28	98.14		55.96	42.18	0.00			
	06/30/00	98.28	98.14		56.00	42.14	0.00			
	07/13/00	98.28	98.14		56.03	42.11	0.00			
	08/31/00	98.28	98.14		56.10	42.04	0.00			
	09/22/00	98.28	98.14		56.11	42.03	0.00			
	10/04/00	98.28	98.14		56.13	42.01	0.00			
	01/04/01	98.28	98.14		56.25	41.89	0.00			
	04/26/01	98.28	98.14		56.44	41.70	0.00			
	07/11/01	98.28	98.14		56.51	41.63	0.00			
	10/03/01	98.28	98.14		56.95	41.19	0.00			
MW-16	10/30/99	Not Surveyed	96.04		53.01	43.03	0.00			
	11/28/99	Not Surveyed	96.04		53.08	42.96	0.00			
	12/28/99	Not Surveyed	96.04		53.13	42.91	0.00			
	01/12/00	Not Surveyed	96.04		53.11	42.93	0.00			
	02/07/00	Not Surveyed	96.04		53.16	42.88	0.00			
	03/31/00	Not Surveyed	96.04		53.25	42.79	0.00			
	04/26/00	Not Surveyed	96.04		53.24	42.80	0.00			
	05/31/00	Not Surveyed	96.04		53.33	42.71	0.00			
	06/30/00	Not Surveyed	96.04		53.33	42.71	0.00			
	07/13/00	Not Surveyed	96.04		53.35	42.69	0.00			
	08/31/00	Not Surveyed	96.04		53.44	42.60	0.00			
	09/22/00	Not Surveyed	96.04		53.49	42.55	0.00			
	10/04/00	Not Surveyed	96.04		53.47	42.57	0.00			
	01/04/01	Not Surveyed	96.04		53.60	42.44	0.00			
	04/26/01	Not Surveyed	96.04		53.75	42.29	0.00			
	07/11/01	Not Surveyed	96.04		53.81	42.23	0.00			
	10/03/01	Not Surveyed	96.04		54.63	41.41	0.00			
WW-1	12/23/96	99.11	100.16	56.25	57.34	43.80	1.09	18.00	404.50	ORS automated recovery system
	01/10/97	99.11	100.16	56.41	56.77	43.71	0.36		404.50	
	02/13/97	99.11	100.16	55.57	55.77	44.57	0.20		404.50	
	03/13/97	99.11	100.16	54.36	54.97	45.74	0.61		404.50	

TABLE 1
DENTON STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	04/08/97	99.11	100.16	53.68	54.88	46.36	1.20		404.50	
	05/07/97	99.11	100.16	59.01	61.04	40.95	2.03		404.50	
	06/18/97	99.11	100.16	53.80	56.40	46.10	2.60		404.50	
	07/15/97	99.11	100.16	53.63	56.21	46.27	2.58		404.50	
	08/04/97	99.11	100.16	53.84	56.24	46.08	2.40		404.50	
	09/01/97	99.11	100.16	53.53	55.80	46.40	2.27		404.50	
	10/03/97	99.11	100.16	NG	NG	NG	NG		404.50	
	11/08/97	99.11	100.16	NG	NG	NG	NG		404.50	
	01/21/98	99.11	100.16	NG	NG	NG	NG		404.50	
	02/17/98	99.11	100.16	55.75	62.03	43.78	6.28		404.50	
	04/01/98	99.11	100.16	56.50	59.05	43.41	2.55		404.50	
	05/04/98	99.11	100.16	56.85	58.10	43.19	1.25		404.50	
	07/07/98	99.11	100.16	54.30	56.89	45.60	2.59		404.50	
	10/01/98	99.11	100.16	57.03	58.12	43.02	1.09		404.50	
	01/12/99	99.11	100.16	57.14	58.28	42.91	1.14		404.50	
	04/14/99	99.11	100.16	57.41	57.50	42.74	0.09	0.25	404.75	ORS system failed, Hand Bail
	06/15/99	99.11	100.16	57.20	58.80	42.80	1.60		404.75	Hand Bail
	07/09/99	99.11	100.16	57.19	59.11	42.78	1.92	3.00	407.75	Hand Bail
	08/10/99	99.11	100.16	57.14	59.50	42.78	2.36	3.00	410.75	Hand Bail
	09/18/99	99.11	100.16	57.33	58.93	42.67	1.60	2.50	413.25	Hand Bail
	10/30/99	99.11	100.16	57.47	58.33	42.60	0.86	1.00	414.25	Hand Bail
	11/28/99	99.11	100.16	57.40	59.12	42.59	1.72	2.00	416.25	Hand Bail
	12/28/99	99.11	100.16	57.48	59.05	42.52	1.57	1.50	417.75	Hand Bail
	01/12/00	99.11	100.16	57.50	59.20	42.49	1.70	2.50	420.25	Hand Bail
	02/07/00	99.11	100.16	57.47	59.40	42.50	1.93	1.50	421.75	Hand Bail
	03/31/00	99.11	100.16	57.44	59.88	42.48	2.44	2.50	424.25	Hand Bail
	04/26/00	99.11	100.16	57.51	59.90	42.41	2.39	2.50	426.75	Hand Bail
	05/31/00	99.11	100.16	57.43	60.39	42.43	2.96	2.50	429.25	Hand Bail
	06/30/00	99.11	100.16	57.38	59.68	42.55	2.30	2.00	431.25	Hand Bail
	07/13/00	99.11	100.16	57.43	59.70	42.50	2.27	2.00	433.25	Hand Bail
	08/31/00	99.11	100.16	57.43	60.05	42.47	2.62	2.00	435.25	Hand Bail

TABLE 1

DENTON STATION

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	09/22/00	99.11	100.16	57.55	57.70	42.60	0.15		435.25	Ferret Pump installed on 09/15/00
	10/04/00	99.11	100.16	58.20	58.25	41.96	0.05		435.25	Ferret automated recovery system
	01/04/01	99.11	100.16	57.26	57.57	42.87	0.31		435.25	
	04/26/01	99.11	100.16	58.55	58.65	41.60	0.10		435.25	
	07/11/01	99.11	100.16	58.50	58.90	41.62	0.40		435.25	
	10/03/01	99.11	100.16	58.50	59.49	41.56	0.99		435.25	
								Total:	1078.83	By manual recovery.

Note 1: Intermittant operation of the ORS remediation System. Wells were hand bailed when the pumps were not operating. All wells hand bailed as of March, 1999 when the ORS system failed.

Note 2: ORS Remediation System was replaced by a Ferret pneumatic pump system on April 30, 1999. MW-1, MW-3, MW-5, and MW-7 are connected to the Automated Ferret pump system (see Table 2).

* Measured from a relative datum (benchmark = 100 feet). ** Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness).

Specific Gravity (SG) = 0.9 for crude oil. NG = Not Gauged

TABLE 2
DENTON STATION
WATER SAMPLE ANALYTICAL RESULTS

Monitor Well	Date Sampled	BTEX					PAH				
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total (mg/L)	1-Methyl-napthlene (mg/L)	2-Methyl-napthlene (mg/L)	Napthlene (mg/L)	Total Napthlenes (mg/L)	Benzo(a) pyrene (mg/L)
MW-2	9/27/93	0.017	ND	ND	ND	0.017					
	5/10/94	0.011	ND	ND	ND	0.011					
	10/12/95	0.002	ND	ND	ND	0.002					
	2/8/96	0.310	ND	ND	ND	0.310	0.002	0.002	ND	0.004	ND
	4/4/96	0.150	ND	ND	ND	0.150					
	7/17/96	0.430	ND	ND	ND	0.430					
	10/1/96	0.560	ND	ND	ND	0.560					
	1/22/97	0.310	ND	ND	ND	0.310	ND	0.003	ND	0.003	ND
	4/8/97	0.330	ND	ND	ND	0.330					
	1/21/98	0.350	ND	ND	ND	0.350	0.001	ND	0.000	0.001	ND
	4/1/98	0.350	ND	ND	ND	0.350					
	7/7/98	0.420	ND	ND	ND	0.420					
	10/1/98	0.450	ND	ND	ND	0.450					
	1/13/99	0.330	ND	ND	ND	0.330	ND	ND	ND	ND	ND
	4/15/99	0.480	ND	ND	ND	0.480					
	7/9/99	0.530	ND	ND	ND	0.530					
	10/30/99	1.500	ND	ND	ND	1.500					
	1/12/00	0.780	ND	ND	ND	0.780	PAH bottle broken during shipment.				
	4/27/00	0.740	ND	ND	ND	0.740					
	7/13/00	0.797	ND	ND	ND	0.797					
	10/6/00	0.671	0.001	ND	0.003	0.675					
	1/4/01	0.556	0.001	ND	0.005	0.562	ND	ND	ND	ND	ND
	4/27/01	0.812	ND	ND	0.002	0.814					
	7/11/01	0.781	0.012	ND	ND	0.793					
	10/3/01	1.300	ND	ND	ND	1.300					
MW-6	5/10/94	0.680	0.001	0.001	0.083	0.765					
	5/10/94(dup)	0.920	0.002	0.002	0.100	1.024					
	10/12/95	1.200	0.005	0.026	0.140	1.371					
	2/8/96	1.200	ND	0.022	0.076	1.298	ND	ND	0.005	0.005	ND
	4/4/96	1.100	ND	0.021	0.135	1.256					
	7/17/96	1.100	ND	0.021	0.085	1.206					
	10/1/96	0.990	ND	ND	0.012	1.002					
	1/22/97	1.100	ND	ND	ND	1.100	ND	ND	ND	ND	ND
	4/8/97	0.980	0.001	0.013	0.047	1.041					
	1/21/98	0.890	ND	0.018	0.039	0.947	0.005	0.002	0.003	0.010	ND
	4/1/98	0.540	ND	0.010	0.054	0.604					
	7/7/98	0.420	ND	0.014	0.028	0.462					
	10/1/98	0.450	ND	0.009	0.038	0.497					
	1/13/99	0.550	ND	0.016	0.044	0.610	ND	ND	0.001	0.001	ND
	4/15/99	0.690	ND	0.023	0.038	0.751					
	7/9/99	0.690	ND	0.026	0.028	0.744					
	10/30/99	1.500	ND	0.058	0.160	1.718					
	1/12/00	0.870	ND	0.110	0.330	1.310	0.004	0.004	0.001	0.009	ND
	4/27/00	PSH	PSH	PSH	PSH	PSH					
	7/13/00	1.170	ND	ND	ND	1.170					
	10/6/00	1.030	0.005	0.065	0.115	1.210					
	1/4/01	0.854	0.014	0.086	0.164	1.120	0.014	0.008	0.009	0.031	ND
	4/27/01	1.790	ND	ND	ND	1.790					
	10/3/01	0.831	ND	0.428	0.204	1.463					
MW-8	5/10/94	ND	ND	ND	ND	ND					
	4/8/97	ND	ND	ND	ND	ND					
	4/1/98	ND	ND	ND	ND	ND					
	10/1/98	ND	ND	ND	ND	ND					
	1/13/99	ND	ND	ND	ND	ND					

TABLE 2
DENTON STATION
WATER SAMPLE ANALYTICAL RESULTS

Monitor Well	Date Sampled	BTEX					PAH				
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total (mg/L)	1-Methyl-napthlene (mg/L)	2-Methyl-napthlene (mg/L)	Napthlene (mg/L)	Total Napthlenes (mg/L)	Benzo(a) pyrene (mg/L)
	4/15/99	ND	ND	ND	ND	ND					
	4/27/00	ND	ND	ND	ND	ND					
	7/13/00	ND	ND	ND	ND	ND					
	10/6/00	ND	ND	ND	ND	ND					
	4/27/01	ND	ND	ND	ND	ND					
MW-9	5/10/94	ND	ND	ND	ND	ND					
	10/12/95	ND	ND	ND	ND	ND					
	2/8/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/96	ND	ND	ND	ND	ND					
	7/17/96	ND	ND	ND	ND	ND					
	10/1/96	ND	ND	ND	ND	ND					
	1/22/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/97	ND	ND	ND	ND	ND					
	7/15/97	ND	ND	ND	ND	ND					
	10/3/97	ND	ND	ND	ND	ND					
	1/21/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/98	ND	ND	ND	ND	ND					
	7/7/98	ND	ND	ND	ND	ND					
	10/1/98	ND	ND	ND	ND	ND					
	1/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/99	ND	ND	ND	ND	ND					
	7/9/99	ND	ND	ND	ND	ND					
	10/30/99	ND	ND	ND	ND	ND					
	4/27/00	ND	ND	ND	ND	ND					
	1/4/01	0.001	ND	ND	ND	0.001	ND	ND	ND	ND	ND
	4/27/01	ND	ND	ND	ND	ND					
	7/11/01	ND	ND	ND	ND	ND					
	10/3/01	ND	ND	ND	ND	ND					
MW-10	10/12/95	ND	ND	ND	ND	ND					
	4/8/97	1.000	ND	ND	1.000	2.000					
	4/1/98	0.500	ND	0.250	0.032	0.782					
	4/15/99	0.880	ND	0.160	0.043	1.083					
	1/12/00	0.940	ND	0.200	0.058	1.198	0.006	0.002	0.004	0.012	ND
	4/27/00	1.500	ND	0.400	0.110	2.010					
	7/13/00	1.410	0.002	0.301	0.051	1.760					
	10/6/00	1.730	0.007	0.435	0.161	2.330					
	4/27/01	1.080	0.096	0.257	0.274	1.710					
MW-11	10/12/95	1.500	0.003	ND	0.005	1.508					
	2/8/96	1.100	ND	ND	ND	1.100	ND	ND	0.014	0.014	ND
	4/4/96	1.300	ND	ND	ND	1.300					
	7/17/96	1.800	ND	ND	ND	1.800					
	10/1/96	1.400	ND	ND	ND	1.400					
	1/22/97	2.000	ND	ND	ND	2.000					
	4/8/97	1.200	ND	ND	ND	1.200					
	1/21/98	2.000	ND	ND	ND	2.000	0.004	0.000	0.001	0.005	ND
	4/1/98	0.720	ND	ND	ND	0.720					
	7/7/98	2.000	ND	ND	ND	2.000					
	10/1/98	2.200	ND	ND	ND	2.200					
	1/13/99	2.100	ND	ND	ND	2.100	ND	ND	ND	ND	ND
	4/15/99	0.210	ND	ND	ND	0.210					
	7/9/99	1.500	ND	ND	ND	1.500					
	10/30/99	4.700	ND	ND	ND	4.700					
	1/12/00	2.300	ND	ND	ND	2.300	0.003	0.001	0.002	0.006	ND
	4/27/00	1.900	ND	ND	ND	1.900					

TABLE 2
DENTON STATION
WATER SAMPLE ANALYTICAL RESULTS

Monitor Well	Date Sampled	BTEX					PAH				
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total (mg/L)	1-Methyl-napthlene (mg/L)	2-Methyl-napthlene (mg/L)	Napthlene (mg/L)	Total Napthlenes (mg/L)	Benzo(a) pyrene (mg/L)
	10/6/00	1.520	ND	0.009	ND	1.520					
	1/4/01	0.801	ND	ND	0.003	0.804	ND	ND	ND	ND	ND
	4/27/01	0.846	ND	ND	ND	0.846					
	7/11/01	0.766	ND	ND	ND	0.766					
	10/3/01	0.389	ND	ND	ND	0.389					
MW-12	10/12/95	ND	ND	ND	ND	ND					
	2/8/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/96	ND	ND	ND	ND	ND					
	7/17/96	ND	ND	ND	ND	ND					
	10/1/96	0.023	ND	ND	ND	0.023					
	1/22/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/8/97	ND	ND	ND	ND	ND					
	7/15/97	ND	ND	ND	ND	ND					
	10/3/97	ND	ND	ND	ND	ND					
	1/21/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/1/98	ND	ND	ND	ND	ND					
	7/7/98	ND	ND	ND	ND	ND					
	10/1/98	ND	ND	ND	ND	ND					
	1/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/99	ND	ND	ND	ND	ND					
	7/9/99	ND	ND	ND	ND	ND					
	10/30/99	ND	ND	ND	ND	ND					
	4/27/00	ND	ND	ND	ND	ND					
	1/4/01	0.002	ND	ND	ND	0.002	ND	ND	ND	ND	ND
	4/27/01	0.011	ND	ND	ND	0.011					
	7/11/01	ND	ND	ND	ND	ND					
	10/3/01	ND	ND	ND	ND	ND					
MW-13	4/8/97	0.160	ND	ND	ND	0.160	ND	ND	ND	ND	ND
	7/15/97	0.230	ND	ND	ND	0.230					
	10/3/97	0.012	ND	ND	ND	0.012					
	1/21/98	0.620	ND	ND	ND	0.620	0.003	0.003	0.004	0.010	ND
	4/1/98	0.690	ND	ND	ND	0.690					
	7/7/98	0.620	ND	ND	ND	0.620					
	10/1/98	0.520	ND	ND	ND	0.520					
	1/13/99	0.330	ND	ND	ND	0.330	ND	ND	0.000	0.000	ND
	4/15/99	0.280	ND	ND	ND	0.280					
	7/9/99	0.200	ND	ND	ND	0.200					
	10/30/99	0.140	ND	ND	ND	0.140					
	4/27/00	0.046	ND	ND	ND	0.046					
	1/4/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/27/01	ND	ND	ND	ND	ND					
	7/11/01	ND	ND	ND	ND	ND					
	10/3/01	0.004	ND	ND	ND	0.004					
MW-14	10/1/98	0.320	ND	ND	ND	0.320					
	1/12/00	0.690	ND	ND	ND	0.690	0.003	ND	ND	0.003	ND
	4/27/00	0.400	ND	ND	ND	0.400					
	7/13/00	0.388	ND	ND	ND	0.388					
	10/6/00	0.770	ND	ND	ND	0.770					
MW-15	1/13/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/15/99	ND	ND	ND	ND	ND					
	7/9/99	ND	ND	ND	ND	ND					
	10/30/99	ND	ND	ND	ND	ND					
	4/27/00	ND	ND	ND	ND	ND					
	1/4/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
DENTON STATION
WATER SAMPLE ANALYTICAL RESULTS

Monitor Well	Date Sampled	BTEX					PAH				
		Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total (mg/L)	1-Methyl-napthlene (mg/L)	2-Methyl-napthlene (mg/L)	Napthlene (mg/L)	Total Napthlenes (mg/L)	Benzo(a) pyrene (mg/L)
	4/27/01	0.054	ND	ND	ND	0.054					
	7/11/01	ND	ND	ND	ND	ND					
	10/3/01	ND	ND	ND	ND	ND					
MW-16	10/30/99	ND	ND	ND	ND	ND					
	1/12/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/27/00	ND	ND	ND	ND	ND					
	7/13/00	ND	ND	ND	ND	ND					
	10/6/00	0.004	ND	ND	ND	0.004					
	1/4/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/27/01	ND	ND	ND	ND	ND					
	7/11/01	ND	ND	ND	ND	ND					
	10/3/01	ND	ND	ND	ND	ND					

ND = None detected
PSH = PSH present in the well, no sample taken.

TABLE 3
DENTON STATION
AUTOMATED PHASE-SEPARATED HYDROCARBON RECOVERY

Date	Tank Level		PSH Recovery	Cumulative PSH Recovery	Remarks
	Previous (gal)	Present (gal)			
12/23/96	28	25	21.03	315.59	Cumulative PSH thickness from 9/5/96
1/10/97	28.5	28	3.51	319.10	Cumulative PSH thickness from 9/5/96 - Drained to 20"
1/22/97	25.5	20	38.57	357.67	Cumulative PSH thickness from 1/10/97
2/13/97	29	25.5	24.55	382.22	Cumulative PSH thickness from 1/10/97
3/13/97	34.5	29	38.57	420.79	Cumulative PSH thickness from 1/10/97
4/8/97	36	34.5	10.52	431.31	Cumulative PSH thickness from 1/10/97 - Drained to 30"
5/7/97	32.5	30	17.53	448.84	Cumulative PSH thickness from 4/8/97 - Drained to 26"
6/18/97	31	26	35.05	483.89	Cumulative PSH thickness from 5/7/97 - Drained to 18"
7/15/97	19	18	7.01	490.90	Cumulative PSH thickness from 6/18/97
8/4/97	22.5	19	24.54	515.43	Cumulative PSH thickness from 6/18/97
9/1/97	24.5	22.5	14.02	529.45	Cumulative PSH thickness from 6/18/97
10/3/97	25.5	24.5	7.01	536.46	Cumulative PSH thickness from 6/18/97
11/8/97	26.50	25.50	7.01	543.47	Cumulative PSH thickness from 6/18/97
1/21/98	26.70	26.50	1.40	544.87	Drained to 21.1"
2/17/98	21.10	21.10	0.00	544.87	Drained to 10.0"
2/26/98	13.80	10.00	26.64	571.51	Drained to 1.0"
4/1/98	7.44	1.00	45.14	616.65	Cumulative PSH thickness from 2/26/98
5/4/98	34.80	7.44	191.79	808.45	Drained to 1.0"
6/5/98	17.50	1.00	115.67	924.11	Cumulative PSH thickness from 5/4/98
6/15/98	18.75	17.50	8.76	932.88	Cumulative PSH thickness from 5/4/98
7/1/98	24.25	18.75	38.56	971.43	Cumulative PSH thickness from 5/4/98
7/7/98	26.25	24.25	14.02	985.45	Cumulative PSH thickness from 5/4/98
7/12/98	26.55	26.25	2.10	987.55	Cumulative PSH thickness from 5/4/98
7/26/98	26.75	26.55	1.40	988.96	Cumulative PSH thickness from 5/4/98
8/9/98	34.25	26.75	52.58	1041.53	Tank Full, Drained to 31.25"
8/12/98	34.25	31.25	21.03	1062.56	Tank Full, Drained to 19.85"
8/23/98	34.25	19.85	100.94	1163.50	Tank Full, Drained to 2.05"
8/30/98	2.55	2.05	3.51	1167.01	Cumulative PSH thickness from 8/23/98
9/6/98	4.25	2.55	11.92	1178.93	Cumulative PSH thickness from 8/23/98
9/13/98	5.25	4.25	7.01	1185.94	Cumulative PSH thickness from 8/23/98
9/20/98	7.25	5.25	14.02	1199.96	Cumulative PSH thickness from 8/23/98
9/27/98	8.00	7.25	5.26	1205.21	Cumulative PSH thickness from 8/23/98
10/1/98	10.00	8.00	14.02	1219.23	Cumulative PSH thickness from 8/23/98
10/14/98	10.75	10.00	5.26	1224.49	Cumulative PSH thickness from 8/23/98
11/1/98	13.00	10.75	15.77	1240.26	Cumulative PSH thickness from 8/23/98
11/21/98	14.75	13.00	12.27	1252.53	Cumulative PSH thickness from 8/23/98
12/6/98	16.25	14.75	10.52	1263.05	Cumulative PSH thickness from 8/23/98
1/14/99	18.55	16.25	16.12	1279.17	Tank Drained to 9"
03/17/99	9.12	40.00	216.56	1495.73	ORS system failed
04/19/99	40.00	40.00		1495.73	Drained tank to 1"
04/29/99	1.00	1.00		1495.73	Ferret system installed
05/04/99	1.00	19.50	129.74	1625.47	Drained tank to 1"

05/10/99	1.00	21.00	140.26	1765.73	Drained to 1"
05/14/99	1.00	31.00	210.39	1976.12	Drained to 29"
05/19/99	29.00	42.50	94.68	2070.80	Tank and Eott sump full. Did not drain.
05/27/99	42.50	42.50		2070.80	Eott sump partially full. Drained to 34.5"
06/02/99	34.50	42.50	56.10	2126.90	Eott sump drained on June 1, however, it was filled again due to other eott drainage to tank. drained our tank to 40 inches.
06/08/99	40.00	42.50	17.53	2144.43	Tank pumped out. Will replace with 2K gal.tank
07/09/99			25.00	2103.33	Tank has 100 gallons of which 25 is oil.
08/10/99			50.00	2153.33	Tank has 150 gallons of which 75 is oil
08/30/99			25.00	2178.33	Tank has 200 gallons of which 100 is oil
09/14/99			10.00	2188.33	Tank has 210 gallons of which 110 is oil Tank pumped down to 75 gallons (water)
09/18/99			5.00	2193.33	Tank has 80 gallons of which 5 is oil.
10/23/99			30.00	2223.33	Tank has 110 gallons of which 35 is oil
11/28/99			70.00	2293.33	Tank has 180 gallons of which 105 is oil
12/28/00			40.00	2333.33	Tank has 220 galons of which 145 is oil
01/12/00			20.00	2353.33	Tank has 245 gallons of which 165 is oil
04/26/00			80.00	2433.33	Tank has 320 gallons of which 245 is oil
05/31/00			30.00	2463.33	Tank has 350 gallons of which 275 is oil
06/15/00			30.00	2493.33	Tank was pumped down to 100 gallons by Eott
06/30/00			15.00	2508.33	Tank has 115 gallons of which 15 is oil
07/13/00			35.00	2543.33	Tank has 150 gallons of which 50 is oil
10/04/00			100.00	2643.33	Tank has 250 gallons of which 200 is oil.
11/27/00			210.00	2853.33	Tank has 460 gallons of which 410 is oil.
12/14/00			35.00	2888.33	Tank has 495 gallons of which 445 is oil.
01/04/01			25.00	2913.33	Tank has 520 gallons of which 470 is oil.
02/07/01			25.00	2938.33	Tank has 125 gallons of which 25 is oil.
03/16/01			180.00	3118.33	Tank has 305 gallons of which 205 is oil.
04/26/01			75.00	3193.33	Tank has 380 gallons of which 280 is oil.
7/11/01			820.00	4013.33	Tank has 1200 gallons of which 1100 is oil.
10/3/01				4013.33	

Note 1: As of 8/14/96, recovery from WW-1, MW-3, MW-5, and MW-7 is from oeration of the ORS Product Recovery System.
Remarks: Product recovery is calculated from product thickness in tank (dimensions - 60" x 44" x 27").
Initial volume calculated in tank was 92.75 gallons (recovery prior to 8/14/96).
PSH Recovery in gallons = ((delta PSH thickness in inches) x (60" x 27") / 231 in3 / gal)
delta PSH thickness = recorded PSH thickness - previous PSH thickness.
Note 2: New 2000 gal. tank installed on 6/15/99. Product recovery is calculated by gauging marks on the tank.
Note 3: The ORS automated system failed March, 1999. The system was replaced by a Ferret Pneumatic system on April 30, 1999. The Ferret system is connected to MW-1, MW-3, MW-5, and MW-7. WW-1 has been removed from automated recovery and is now hand bailed.
Note 4: Prior to 6/8/99, product recovery is calculated from product thickness in the original recovery tank (60"x27"x44"). PSH Recovery (in gallons) = [(Present Tank Level - Previous Tank Level) x 60" x 27"]/231 in^3/gal

ATTACHMENT C

Analytical Data

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
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Analytical and Quality Control Report

Equilon Pipeline Co.
Kyle Landreneau
PMB 174 269 CypressWood
Spring, Tx. 77388

Report Date: January 15, 2001

Order ID Number: A01010801

Project: EV-378
TA Job Code: Denton Station
Casualty Code: Lea County, New Mexico
Project Location: EV-378
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
161927	MW-2	Water	1/4/01	:	1/6/01
161928	MW-6	Water	1/4/01	:	1/6/01
161929	MW-9	Water	1/4/01	:	1/6/01
161930	MW-11	Water	1/4/01	:	1/6/01
161931	MW-12	Water	1/4/01	:	1/6/01
161932	MW-13	Water	1/4/01	:	1/6/01
161933	MW-15	Water	1/4/01	:	1/6/01
161934	MW-16	Water	1/4/01	:	1/6/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical and Quality Control Report

Sample: 161927 - MW-2

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		21.03	mg/L	1	80	26	8 - 73
Phenol-d5		15.88	mg/L	1	80	19	8 - 62
Nitrobenzene-d5		48.33	mg/L	1	80	60	44 - 109
2-Fluorobiphenyl		51.88	mg/L	1	80	64	45 - 109
2,4,6-Tribromophenol		53.24	mg/L	1	80	66	39 - 132
Terphenyl-d14		45.95	mg/L	1	80	57	46 - 121

Sample: 161927 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC08093	Date Analyzed:	1/12/01
Analyst:	JW	Preparation Method:	5035	Prep Batch:	PB07073	Date Prepared:	1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.556	mg/L	1	0.001
Toluene		0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		0.005	mg/L	1	0.001
Total BTEX		0.562	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.116	mg/L	1	0.10	116	72 - 128
4-BFB		0.103	mg/L	1	0.10	103	72 - 128

Sample: 161928 - MW-6

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		0.009	mg/L	1	0.005
1-Methylnaphthalene		0.014	mg/L	1	0.005
2-Methylnaphthalene		0.008	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		21.82	mg/L	1	80	27	8 - 73
Phenol-d5		16.17	mg/L	1	80	20	8 - 62
Nitrobenzene-d5		50.37	mg/L	1	80	62	44 - 109
2-Fluorobiphenyl		54.07	mg/L	1	80	67	45 - 109
2,4,6-Tribromophenol		58.57	mg/L	1	80	73	39 - 132
Terphenyl-d14		48.42	mg/L	1	80	60	46 - 121

Sample: 161928 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC08093	Date Analyzed:	1/12/01
Analyst:	JW	Preparation Method:	5035	Prep Batch:	PB07073	Date Prepared:	1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.854	mg/L	5	0.001
Toluene		0.014	mg/L	5	0.001
Ethylbenzene		0.086	mg/L	5	0.001
M,P,O-Xylene		0.164	mg/L	5	0.001
Total BTEX		1.12	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.443	mg/L	1	0.10	88	72 - 128
4-BFB		0.51	mg/L	1	0.10	102	72 - 128

Sample: 161929 - MW-9

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		25.00	mg/L	1	80	31	8 - 73
Phenol-d5		19.84	mg/L	1	80	24	8 - 62
Nitrobenzene-d5		64.37	mg/L	1	80	80	44 - 109
2-Fluorobiphenyl		63.38	mg/L	1	80	79	45 - 109
2,4,6-Tribromophenol		60.11	mg/L	1	80	75	39 - 132
Terphenyl-d14		51.21	mg/L	1	80	64	46 - 121

Sample: 161929 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC08093	Date Analyzed:	1/12/01
Analyst:	JW	Preparation Method:	5035	Prep Batch:	PB07073	Date Prepared:	1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.096	mg/L	1	0.10	96	72 - 128
4-BFB		0.093	mg/L	1	0.10	93	72 - 128

Sample: 161930 - MW-11

Analysis: 8270 Analytical Method: S 8270C QC Batch: QC08038 Date Analyzed: 1/10/01
Analyst: MA Preparation Method: E 3510C Prep Batch: PB07024 Date Prepared: 1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		29.00	mg/L	1	80	36	8 - 73
Phenol-d5		21.43	mg/L	1	80	26	8 - 62
Nitrobenzene-d5		66.91	mg/L	1	80	83	44 - 109
2-Fluorobiphenyl		66.94	mg/L	1	80	83	45 - 109
2,4,6-Tribromophenol		69.37	mg/L	1	80	86	39 - 132
Terphenyl-d14		58.57	mg/L	1	80	73	46 - 121

Sample: 161930 - MW-11

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC08093 Date Analyzed: 1/12/01
Analyst: JW Preparation Method: 5035 Prep Batch: PB07073 Date Prepared: 1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.801	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		0.003	mg/L	1	0.001
Total BTEX		0.804	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.111	mg/L	1	0.10	111	72 - 128
4-BFB		0.098	mg/L	1	0.10	98	72 - 128

Sample: 161931 - MW-12

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		22.74	mg/L	1	80	28	8 - 73
Phenol-d5		16.89	mg/L	1	80	21	8 - 62
Nitrobenzene-d5		57.19	mg/L	1	80	71	44 - 109
2-Fluorobiphenyl		56.68	mg/L	1	80	70	45 - 109
2,4,6-Tribromophenol		48.02	mg/L	1	80	60	39 - 132
Terphenyl-d14		46.24	mg/L	1	80	57	46 - 121

Sample: 161931 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC08093	Date Analyzed:	1/12/01
Analyst:	JW	Preparation Method:	5035	Prep Batch:	PB07073	Date Prepared:	1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.002	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.002	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.105	mg/L	1	0.10	105	72 - 128
4-BFB		0.096	mg/L	1	0.10	96	72 - 128

Sample: 161932 - MW-13

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		18.84	mg/L	1	80	23	8 - 73
Phenol-d5		16.18	mg/L	1	80	20	8 - 62

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		61.47	mg/L	1	80	76	44 - 109
2-Fluorobiphenyl		61.51	mg/L	1	80	76	45 - 109
2,4,6-Tribromophenol		45.76	mg/L	1	80	57	39 - 132
Terphenyl-d14		50.74	mg/L	1	80	63	46 - 121

Sample: 161932 - MW-13

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC08093 Date Analyzed: 1/12/01
Analyst: JW Preparation Method: 5035 Prep Batch: PB07073 Date Prepared: 1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.494	mg/L	1	0.10	98	72 - 128
4-BFB		0.472	mg/L	1	0.10	94	72 - 128

Sample: 161933 - MW-15

Analysis: 8270 Analytical Method: S 8270C QC Batch: QC08038 Date Analyzed: 1/10/01
Analyst: MA Preparation Method: E 3510C Prep Batch: PB07024 Date Prepared: 1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		22.53	mg/L	1	80	28	8 - 73
Phenol-d5		18.01	mg/L	1	80	22	8 - 62
Nitrobenzene-d5		55.52	mg/L	1	80	69	44 - 109
2-Fluorobiphenyl		55.55	mg/L	1	80	69	45 - 109
2,4,6-Tribromophenol		50.96	mg/L	1	80	63	39 - 132
Terphenyl-d14		42.11	mg/L	1	80	52	46 - 121

Sample: 161933 - MW-15

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC08093 Date Analyzed: 1/12/01
Analyst: JW Preparation Method: 5035 Prep Batch: PB07073 Date Prepared: 1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001

Continued ...

... *Continued* Sample: 161933 Analysis: BTEX

Param	Flag	Result	Units	Dilution	RDL
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.481	mg/L	1	0.10	96	72 - 128
4-BFB		0.457	mg/L	1	0.10	91	72 - 128

Sample: 161934 - MW-16

Analysis:	8270	Analytical Method:	S 8270C	QC Batch:	QC08038	Date Analyzed:	1/10/01
Analyst:	MA	Preparation Method:	E 3510C	Prep Batch:	PB07024	Date Prepared:	1/9/01

Param	Flag	Result	Units	Dilution	RDL
Naphthalene		<0.005	mg/L	1	0.005
1-Methylnaphthalene		<0.005	mg/L	1	0.005
2-Methylnaphthalene		<0.005	mg/L	1	0.005
Benzo(a)pyrene		<0.005	mg/L	1	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		21.32	mg/L	1	80	26	8 - 73
Phenol-d5		16.69	mg/L	1	80	20	8 - 62
Nitrobenzene-d5		52.62	mg/L	1	80	65	44 - 109
2-Fluorobiphenyl		52.21	mg/L	1	80	65	45 - 109
2,4,6-Tribromophenol		53.54	mg/L	1	80	66	39 - 132
Terphenyl-d14		41.18	mg/L	1	80	51	46 - 121

Sample: 161934 - MW-16

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC08094	Date Analyzed:	1/12/01
Analyst:	JW	Preparation Method:	5035	Prep Batch:	PB07074	Date Prepared:	1/12/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.478	mg/L	1	0.10	95	72 - 128
4-BFB		0.456	mg/L	1	0.10	91	72 - 128

Quality Control Report
Method Blank

Sample: Method Blank

QCBatch: QC08038

Param	Flag	Results	Units	Reporting Limit
Naphthalene		<0.005	mg/L	0.005
1-Methylnaphthalene		<0.005	mg/L	0.005
2-Methylnaphthalene		<0.005	mg/L	0.005
Benzo(a)pyrene		<0.005	mg/L	0.005

Surrogate	Flag	Result	Units	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		29.69	mg/L	80	37	8 - 73
Phenol-d5		20.91	mg/L	80	26	8 - 62
Nitrobenzene-d5		63.23	mg/L	80	79	44 - 109
2-Fluorobiphenyl		59.26	mg/L	80	74	45 - 109
2,4,6-Tribromophenol		64.35	mg/L	80	80	39 - 132
Terphenyl-d14		45.90	mg/L	80	57	46 - 121

Sample: Method Blank

QCBatch: QC08093

Param	Flag	Results	Units	Reporting Limit
Benzene	[1]	0.002	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene	[2]	0.002	mg/L	0.001
Total BTEX		0.004	mg/L	0.001

Surrogate	Flag	Result	Units	Spike Amount	Percent Recovery	Recovery Limit
TFT		0.105	mg/L	0.10	105	72 - 128
4-BFB		0.098	mg/L	0.10	98	72 - 128

Sample: Method Blank

QCBatch: QC08094

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Spike Amount	Percent Recovery	Recovery Limit
TFT		0.101	mg/L	0.10	101	72 - 128
4-BFB		0.093	mg/L	0.10	93	72 - 128

[1]BLANK TOOK HIT AT.002 PPM ON BENZENE DUE TO POSSIBLE RESIDUAL CARRYOVER
[2]BLANK TOOK HIT AT .002 PPM POSSIBLY DUE TO RESIDUAL CARRYOVER

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Sample: LCS

QC Batch: QC08038

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Acenaphthene		65.888	mg/L	1	80	<0.005	82		47 - 118	20
Pyrene		56.592	mg/L	1	80	<0.005	70		44 - 125	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
2-Fluorophenol		29.78	mg/L	1	80	37	8 - 73
Phenol-d5		22.00	mg/L	1	80	27	8 - 62
Nitrobenzene-d5		68.33	mg/L	1	80	85	44 - 109
2-Fluorobiphenyl		66.64	mg/L	1	80	83	45 - 109
2,4,6-Tribromophenol		64.63	mg/L	1	80	80	39 - 132
Terphenyl-d14		48.99	mg/L	1	80	61	46 - 121

Sample: LCSD

QC Batch: QC08038

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Acenaphthene		66.101	mg/L	1	80	<0.005	82	1	47 - 118	20
Pyrene		55.297	mg/L	1	80	<0.005	69	4	44 - 125	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
2-Fluorophenol		29.69	mg/L	1	80	37	8 - 73
Phenol-d5		22.08	mg/L	1	80	27	8 - 62
Nitrobenzene-d5		68.29	mg/L	1	80	85	44 - 109
2-Fluorobiphenyl		66.50	mg/L	1	80	83	45 - 109
2,4,6-Tribromophenol		63.84	mg/L	1	80	79	39 - 132
Terphenyl-d14		47.51	mg/L	1	80	59	46 - 121

Sample: LCS

QC Batch: QC08093

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
MTBE		0.103	mg/L	1	0.10	<0.001	103		80 - 120	20
Benzene		0.089	mg/L	1	0.10	0.002	89		80 - 120	20
Toluene		0.104	mg/L	1	0.10	<0.001	104		80 - 120	20
Ethylbenzene		0.099	mg/L	1	0.10	<0.001	99		80 - 120	20
M,P,O-Xylene		0.315	mg/L	1	0.30	0.002	105		80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
TFT		0.102	mg/L	1	0.10	102	72 - 128
4-BFB		0.095	mg/L	1	0.10	95	72 - 128

Sample: LCSD

QC Batch: QC08093

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
MTBE		0.103	mg/L	1	0.10	<0.001	103	0	80 - 120	20
Benzene		0.088	mg/L	1	0.10	0.002	88	1	80 - 120	20
Toluene		0.102	mg/L	1	0.10	<0.001	102	2	80 - 120	20
Ethylbenzene		0.097	mg/L	1	0.10	<0.001	97	2	80 - 120	20
M,P,O-Xylene		0.307	mg/L	1	0.30	0.002	102	2	80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
TFT		0.101	mg/L	1	0.10	101	72 - 128
4-BFB		0.093	mg/L	1	0.10	93	72 - 128

Sample: LCS

QC Batch: QC08094

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
MTBE		0.095	mg/L	1	0.10	<0.001	95		80 - 120	20
Benzene		0.082	mg/L	1	0.10	<0.001	82		80 - 120	20
Toluene		0.094	mg/L	1	0.10	<0.001	94		80 - 120	20
Ethylbenzene		0.089	mg/L	1	0.10	<0.001	89		80 - 120	20
M,P,O-Xylene		0.28	mg/L	1	0.30	<0.001	93		80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
TFT		0.097	mg/L	1	0.10	97	72 - 128
4-BFB		0.089	mg/L	1	0.10	89	72 - 128

Sample: LCSD

QC Batch: QC08094

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
MTBE		0.097	mg/L	1	0.10	<0.001	97	2	80 - 120	20
Benzene		0.086	mg/L	1	0.10	<0.001	86	5	80 - 120	20
Toluene		0.099	mg/L	1	0.10	<0.001	99	5	80 - 120	20
Ethylbenzene		0.088	mg/L	1	0.10	<0.001	88	1	80 - 120	20
M,P,O-Xylene		0.294	mg/L	1	0.30	<0.001	98	5	80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
TFT		0.098	mg/L	1	0.10	98	72 - 128
4-BFB		0.091	mg/L	1	0.10	91	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

Sample: CCV (1)

QC Batch: QC08038

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60	58.14	96	80 - 120	1/10/01
1,4-Dichlorobenzene		mg/L	60	59.04	98	80 - 120	1/10/01
2-Nitrophenol		mg/L	60	58.95	98	80 - 120	1/10/01
2,4-Dichlorophenol		mg/L	60	58.10	96	80 - 120	1/10/01
Hexachlorobutadiene		mg/L	60	59.82	99	80 - 120	1/10/01
4-Chloro-3-methylphenol		mg/L	60	57.53	95	80 - 120	1/10/01
2,4,6-Trichlorophenol		mg/L	60	59.17	98	80 - 120	1/10/01
Acenaphthene		mg/L	60	61.71	102	80 - 120	1/10/01
Diphenylamine		mg/L	60	58.47	97	80 - 120	1/10/01
Pentachlorophenol		mg/L	60	60.71	101	80 - 120	1/10/01
Fluoranthene		mg/L	60	64.90	108	80 - 120	1/10/01
Di-n-octylphthalate		mg/L	60	53.78	89	80 - 120	1/10/01
Benzo(a)pyrene		mg/L	60	62.37	103	80 - 120	1/10/01
2-Fluorophenol		mg/L	60	58.48	97	80 - 120	1/10/01
Phenol-d5		mg/L	60	65.81	109	80 - 120	1/10/01
Nitrobenzene-d5		mg/L	60	61.25	102	80 - 120	1/10/01
2-Fluorobiphenyl		mg/L	60	61.71	102	80 - 120	1/10/01
2,4,6-Tribromophenol		mg/L	60	63.08	105	80 - 120	1/10/01
Terphenyl-d14		mg/L	60	54.58	90	80 - 120	1/10/01

Sample: CCV (1)

QC Batch: QC08093

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.104	104	80 - 120	1/12/01
Benzene		mg/L	0.10	0.082	82	80 - 120	1/12/01
Toluene		mg/L	0.10	0.089	89	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.092	92	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.281	93	80 - 120	1/12/01

Sample: CCV (2)

QC Batch: QC08093

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.097	97	80 - 120	1/12/01
Benzene		mg/L	0.10	0.085	85	80 - 120	1/12/01
Toluene		mg/L	0.10	0.097	97	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.091	91	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.275	91	80 - 120	1/12/01

Sample: ICV (1)

QC Batch: QC08093

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.106	106	80 - 120	1/12/01
Benzene		mg/L	0.10	0.09	90	80 - 120	1/12/01
Toluene		mg/L	0.10	0.106	106	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.101	101	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.322	107	80 - 120	1/12/01

Sample: CCV (1)

QC Batch: QC08094

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.096	96	80 - 120	1/12/01
Benzene		mg/L	0.10	0.089	89	80 - 120	1/12/01
Toluene		mg/L	0.10	0.101	101	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.096	96	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.304	101	80 - 120	1/12/01

Sample: CCV (2)

QC Batch: QC08094

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.093	93	80 - 120	1/12/01
Benzene		mg/L	0.10	0.086	86	80 - 120	1/12/01
Toluene		mg/L	0.10	0.1	100	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.091	91	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.297	99	80 - 120	1/12/01

Sample: ICV (1)

QC Batch: QC08094

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.097	97	80 - 120	1/12/01

Continued ...

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.10	0.085	85	80 - 120	1/12/01
Toluene		mg/L	0.10	0.097	97	80 - 120	1/12/01
Ethylbenzene		mg/L	0.10	0.091	91	80 - 120	1/12/01
M,P,O-Xylene		mg/L	0.30	0.275	91	80 - 120	1/12/01

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Kyle Landreneau
Equiva Houston-Kyle
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: May 10, 2001

Order ID Number: A01050121

Project: EV-378
TA Job Code: Denton Station
Casualty Code: Lea County, New Mexico
Project Location: EV-378
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170291	MW-2	Water	4/27/01	8:30	5/1/01
170292	MW-6	Water	4/27/01	9:20	5/1/01
170293	MW-8	Water	4/27/01	10:00	5/1/01
170294	MW-9	Water	4/27/01	10:30	5/1/01
170295	MW-10	Water	4/27/01	11:00	5/1/01
170296	MW-11	Water	4/27/01	11:30	5/1/01
170297	MW-12	Water	4/27/01	11:48	5/1/01
170298	MW-13	Water	4/27/01	12:45	5/1/01
170300	MW-15	Water	4/27/01	14:10	5/1/01
170301	MW-16	Water	4/27/01	15:00	5/1/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 170291 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC10988	Date Analyzed:	5/6/01
Analyst:	RC	Preparation Method:	E 5030B	Prep Batch:	PB09423	Date Prepared:	5/6/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.812	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		0.0017	mg/L	1	0.001
Total BTEX		0.814	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0933	mg/L	1	0.10	93	72 - 128
4-BFB		0.088	mg/L	1	0.10	88	72 - 128

Sample: 170292 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/8/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		1.79	mg/L	100	0.001
Toluene		<0.1	mg/L	100	0.001
Ethylbenzene		<0.1	mg/L	100	0.001
M,P,O-Xylene		<0.1	mg/L	100	0.001
Total BTEX		1.79	mg/L	100	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		9.05	mg/L	100	0.10	90	72 - 128
4-BFB		7.16	mg/L	100	0.10	71	72 - 128

Sample: 170293 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/8/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0976	mg/L	1	0.10	97	72 - 128
4-BFB		0.0764	mg/L	1	0.10	76	72 - 128

Sample: 170294 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/8/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0972	mg/L	1	0.10	97	72 - 128
4-BFB		0.0771	mg/L	1	0.10	77	72 - 128

Sample: 170295 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/8/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		1.08	mg/L	5	0.001
Toluene		0.096	mg/L	5	0.001
Ethylbenzene		0.257	mg/L	5	0.001
M,P,O-Xylene		0.274	mg/L	5	0.001
Total BTEX		1.71	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.466	mg/L	5	0.10	93	72 - 128
4-BFB		0.415	mg/L	5	0.10	83	72 - 128

Sample: 170296 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/8/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.846	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001

Continued ...

... Continued Sample: 170296 Analysis: BTEX

Param	Flag	Result	Units	Dilution	RDL
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.846	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0892	mg/L	1	0.10	89	72 - 128
4-BFB		0.073	mg/L	1	0.10	73	72 - 128

Sample: 170297 - MW-12

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11055 Date Analyzed: 5/8/01
Analyst: JW Preparation Method: E 5030B Prep Batch: PB09488 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0109	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0109	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0875	mg/L	1	0.10	87	72 - 128
4-BFB	[1]	0.0696	mg/L	1	0.10	69	72 - 128

Sample: 170298 - MW-13

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11055 Date Analyzed: 5/8/01
Analyst: JW Preparation Method: E 5030B Prep Batch: PB09488 Date Prepared: 5/8/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.1	mg/L	1	0.10	100	72 - 128
4-BFB		0.0801	mg/L	1	0.10	80	72 - 128

Sample: 170300 - MW-15

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC11055 Date Analyzed: 5/8/01
Analyst: JW Preparation Method: E 5030B Prep Batch: PB09488 Date Prepared: 5/8/01

[1] SURROGATE OUT OF LIMITS DUE TO MATRIX

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0536	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.0536	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.44	mg/L	5	0.10	88	72 - 128
4-BFB	[2]	0.348	mg/L	5	0.10	70	72 - 128

Sample: 170301 - MW-16

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC11055	Date Analyzed:	5/6/01
Analyst:	JW	Preparation Method:	E 5030B	Prep Batch:	PB09488	Date Prepared:	5/6/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.09	mg/L	1	0.10	90	72 - 128
4-BFB		0.0721	mg/L	1	0.10	72	72 - 128

[2]SURROGATE OUT OF LIMITS DUE TO MATRIX

Quality Control Report
Method Blank

Method Blank QCBatch: QC10988

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.089	mg/L	1	0.10	89	72 - 128
4-BFB		0.0829	mg/L	1	0.10	82	72 - 128

Method Blank QCBatch: QC11055

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0934	mg/L	1	0.10	93	72 - 128
4-BFB		0.074	mg/L	1	0.10	.74	72 - 128

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC10988

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.087	0.0903	mg/L	1	0.10	<0.001	87	3	80 - 120	20
Benzene	0.0892	0.0915	mg/L	1	0.10	<0.001	89	2	80 - 120	20
Toluene	0.0897	0.0921	mg/L	1	0.10	<0.001	89	2	80 - 120	20
Ethylbenzene	0.09	0.0928	mg/L	1	0.10	<0.001	90	3	80 - 120	20
M,P,O-Xylene	0.258	0.266	mg/L	1	0.30	<0.001	86	3	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0868	0.088	mg/L	1	0.10	86	88	72 - 128
4-BFB	0.0857	0.0866	mg/L	1	0.10	85	86	72 - 128

Laboratory Control Spikes

QCBatch: QC11055

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0874	0.0878	mg/L	1	0.10	<0.001	87	0	80 - 120	20
Benzene	0.0928	0.0936	mg/L	1	0.10	<0.001	92	0	80 - 120	20
Toluene	0.0829	0.0859	mg/L	1	0.10	<0.001	82	3	80 - 120	20
Ethylbenzene	0.0817	0.0859	mg/L	1	0.10	<0.001	81	5	80 - 120	20
M,P,O-Xylene	0.248	0.261	mg/L	1	0.30	<0.001	82	5	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.106	0.0961	mg/L	1	0.10	106	96	72 - 128
4-BFB	0.0952	0.0889	mg/L	1	0.10	95	88	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC10988

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0821	82	85 - 115	5/6/01
Benzene		mg/L	0.10	0.0835	83	85 - 115	5/6/01
Toluene		mg/L	0.10	0.0847	84	85 - 115	5/6/01
Ethylbenzene		mg/L	0.10	0.0836	83	85 - 115	5/6/01
M,P,O-Xylene		mg/L	0.30	0.24	80	85 - 115	5/6/01

CCV (2)

QCBatch: QC10988

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0861	86	85 - 115	5/6/01
Benzene		mg/L	0.10	0.0875	87	85 - 115	5/6/01
Toluene		mg/L	0.10	0.0878	87	85 - 115	5/6/01
Ethylbenzene		mg/L	0.10	0.0879	87	85 - 115	5/6/01
M,P,O-Xylene		mg/L	0.30	0.252	84	85 - 115	5/6/01

ICV (1)

QCBatch: QC10988

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.103	103	85 - 115	5/6/01
Benzene		mg/L	0.10	0.0985	98	85 - 115	5/6/01
Toluene		mg/L	0.10	0.0993	99	85 - 115	5/6/01
Ethylbenzene		mg/L	0.10	0.1	100	85 - 115	5/6/01
M,P,O-Xylene		mg/L	0.30	0.288	96	85 - 115	5/6/01

CCV (1) QCBatch: QC11055

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0908	90	85 - 115	5/8/01
Benzene		mg/L	0.10	0.0967	96	85 - 115	5/8/01
Toluene		mg/L	0.10	0.0858	85	85 - 115	5/8/01
Ethylbenzene		mg/L	0.10	0.0869	86	85 - 115	5/8/01
M,P,O-Xylene		mg/L	0.30	0.263	87	85 - 115	5/8/01

CCV (2) QCBatch: QC11055

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0943	94	85 - 115	5/8/01
Benzene		mg/L	0.10	0.1	100	85 - 115	5/8/01
Toluene		mg/L	0.10	0.0918	91	85 - 115	5/8/01
Ethylbenzene		mg/L	0.10	0.0925	92	85 - 115	5/8/01
M,P,O-Xylene		mg/L	0.30	0.281	93	85 - 115	5/8/01

ICV (1) QCBatch: QC11055

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0989	98	85 - 115	5/8/01
Benzene		mg/L	0.10	0.104	104	85 - 115	5/8/01
Toluene		mg/L	0.10	0.0962	96	85 - 115	5/8/01
Ethylbenzene		mg/L	0.10	0.097	97	85 - 115	5/8/01
M,P,O-Xylene		mg/L	0.30	0.294	98	85 - 115	5/8/01

Summary Report

Kyle Landreneau
Equiva Houston-Kyle
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: May 10, 2001

Order ID Number: A01050121

Project: EV-378
TA Job Code: Denton Station
Casualty Code: Lea County, New Mexico
Project Location: EV-378
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
170291	MW-2	Water	4/27/01	8:30	5/1/01
170292	MW-6	Water	4/27/01	9:20	5/1/01
170293	MW-8	Water	4/27/01	10:00	5/1/01
170294	MW-9	Water	4/27/01	10:30	5/1/01
170295	MW-10	Water	4/27/01	11:00	5/1/01
170296	MW-11	Water	4/27/01	11:30	5/1/01
170297	MW-12	Water	4/27/01	11:48	5/1/01
170298	MW-13	Water	4/27/01	12:45	5/1/01
170300	MW-15	Water	4/27/01	14:10	5/1/01
170301	MW-16	Water	4/27/01	15:00	5/1/01

This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	M,P,O-Xylene (mg/L)	Total BTEX (mg/L)
170291 - MW-2	0.812	<0.001	<0.001	0.0017	0.814
170292 - MW-6	1.79	<0.1	<0.1	<0.1	1.79
170293 - MW-8	<0.001	<0.001	<0.001	<0.001	<0.001
170294 - MW-9	<0.001	<0.001	<0.001	<0.001	<0.001
170295 - MW-10	1.08	0.096	0.257	0.274	1.71
170296 - MW-11	0.846	<0.001	<0.001	<0.001	0.846
170297 - MW-12	0.0109	<0.001	<0.001	<0.001	0.0109
170298 - MW-13	<0.001	<0.001	<0.001	<0.001	<0.001
170300 - MW-15	0.0536	<0.005	<0.005	<0.005	0.0536
170301 - MW-16	<0.001	<0.001	<0.001	<0.001	<0.001

This is only a summary. Please, refer to the complete report package for quality control data.

Analytical and Quality Control Report

Kyle Landreneau
Equilon Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: January 31, 2002

Order ID Number: A01071309

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Enercon Services Inc. / Midland / Jeff Kindley

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175198	MW-2	Water	7/11/01	:	7/13/01
175199	MW-9	Water	7/11/01	:	7/13/01
175200	MW-11	Water	7/11/01	:	7/13/01
175201	MW-12	Water	7/11/01	:	7/13/01
175202	MW-13	Water	7/11/01	:	7/13/01
175203	MW-15	Water	7/11/01	:	7/13/01
175204	MW-16	Water	7/11/01	:	7/13/01

0
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 175198 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12597	Date Analyzed:	7/13/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10769	Date Prepared:	7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.781	mg/L	5	0.001
Toluene		0.012	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.793	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.422	mg/L	5	0.10	84	72 - 128
4-BFB		0.441	mg/L	5	0.10	88	72 - 128

Sample: 175199 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12597	Date Analyzed:	7/13/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10769	Date Prepared:	7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0792	mg/L	1	0.10	79	72 - 128
4-BFB		0.079	mg/L	1	0.10	79	72 - 128

Sample: 175200 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12597	Date Analyzed:	7/13/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10769	Date Prepared:	7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.766	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.766	mg/L	5	0.001

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.432	mg/L	5	0.10	86	72 - 128
4-BFB		0.433	mg/L	5	0.10	86	72 - 128

Sample: 175201 - MW-12

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC12597 | Date Analyzed: 7/13/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB10769 | Date Prepared: 7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0827	mg/L	1	0.10	83	72 - 128
4-BFB		0.0802	mg/L	1	0.10	80	72 - 128

Sample: 175202 - MW-13

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC12597 | Date Analyzed: 7/13/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB10769 | Date Prepared: 7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0847	mg/L	1	0.10	85	72 - 128
4-BFB		0.0837	mg/L	1	0.10	84	72 - 128

Sample: 175203 - MW-15

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC12597 | Date Analyzed: 7/13/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB10769 | Date Prepared: 7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001

Continued ...

... *Continued* Sample: 175203 Analysis: BTEX

Param	Flag	Result	Units	Dilution	RDL
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[1]	0.0714	mg/L	1	0.10	71	72 - 128
4-BFB	[2]	0.0672	mg/L	1	0.10	67	72 - 128

Sample: 175204 - MW-16

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC12597	Date Analyzed:	7/13/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB10769	Date Prepared:	7/13/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[3]	0.0707	mg/L	1	0.10	71	72 - 128
4-BFB		0.0716	mg/L	1	0.10	72	72 - 128

[1]Elevated reporting limits due to matrix difficulties.
[2]Elevated reporting limits due to matrix difficulties.
[3]Elevated reporting limits due to matrix difficulties.

Quality Control Report
Method Blank

Method Blank

QCBatch: QC12597

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0948	mg/L	1	0.10	95	72 - 128
4-BFB		0.0952	mg/L	1	0.10	95	72 - 128

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC12597

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.09650.097	0.098	mg/L	1	0.10	<0.001	96	1	80 - 120	20
Benzene	0.101	0.102	mg/L	1	0.10	<0.001	101	0	80 - 120	20
Toluene	0.096	0.098	mg/L	1	0.10	<0.001	96	2	80 - 120	20
Ethylbenzene	0.096	0.097	mg/L	1	0.10	<0.001	96	1	80 - 120	20
M,P,O-Xylene	0.278	0.283	mg/L	1	0.30	<0.001	92	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.094	0.095	mg/L	1	0.10	94	95	72 - 128
4-BFB	0.095	0.096	mg/L	1	0.10	95	96	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC12597

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.091	91	85 - 115	7/13/01
Benzene		mg/L	0.10	0.101	101	85 - 115	7/13/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.095	95	85 - 115	7/13/01
Ethylbenzene		mg/L	0.10	0.094	94	85 - 115	7/13/01
M,P,O-Xylene		mg/L	0.30	0.272	90	85 - 115	7/13/01

CCV (2)

QCBatch: QC12597

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.092	92	85 - 115	7/13/01
Benzene		mg/L	0.10	0.1	100	85 - 115	7/13/01
Toluene		mg/L	0.10	0.095	95	85 - 115	7/13/01
Ethylbenzene		mg/L	0.10	0.095	95	85 - 115	7/13/01
M,P,O-Xylene		mg/L	0.30	0.275	91	85 - 115	7/13/01

ICV (1)

QCBatch: QC12597

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.093	93	85 - 115	7/13/01
Benzene		mg/L	0.10	0.092	92	85 - 115	7/13/01
Toluene		mg/L	0.10	0.090	90	85 - 115	7/13/01
Ethylbenzene		mg/L	0.10	0.091	91	85 - 115	7/13/01
M,P,O-Xylene		mg/L	0.30	0.263	87	85 - 115	7/13/01

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Kyle Landreneau
Equilon Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: January 31, 2002

Order ID Number: A01071309

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175198	MW-2	Water	7/11/01	:	7/13/01
175199	MW-9	Water	7/11/01	:	7/13/01
175200	MW-11	Water	7/11/01	:	7/13/01
175201	MW-12	Water	7/11/01	:	7/13/01
175202	MW-13	Water	7/11/01	:	7/13/01
175203	MW-15	Water	7/11/01	:	7/13/01
175204	MW-16	Water	7/11/01	:	7/13/01

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)
175198 - MW-2	0.781	0.012	ä 0.005	ä 0.005	0.793
175199 - MW-9	ä 0.001	ä 0.001	ä 0.001	ä 0.001	ä 0.001
175200 - MW-11	0.766	ä 0.005	ä 0.005	ä 0.005	0.766
175201 - MW-12	ä 0.001	ä 0.001	ä 0.001	ä 0.001	ä 0.001
175202 - MW-13	ä 0.001	ä 0.001	ä 0.001	ä 0.001	ä 0.001
175203 - MW-15	ä 0.001	ä 0.001	ä 0.001	ä 0.001	ä 0.001
175204 - MW-16	ä 0.001	ä 0.001	ä 0.001	ä 0.001	ä 0.001

This is only a summary. Please, refer to the complete report package for quality control data.

Analytical and Quality Control Report

Kyle Landreneau
Equiva Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: January 31, 2002

Order ID Number: A01080309

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Enercon Services Inc. / Midland / Jeff Kindley

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
176275	Air Effluent	Air	8/2/01	13:40	8/3/01

0
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 176275 - Air Effluent

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC13045	Date Analyzed:	8/2/01
Analyst:	CG	Preparation Method:	S 5035	Prep Batch:	PB11149	Date Prepared:	8/2/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		159	mg/m3	5000	0.001
Toluene		45.6	mg/m3	5000	0.001
Ethylbenzene		24.1	mg/m3	5000	0.001
M,P,O-Xylene		95	mg/m3	5000	0.001
Total BTEX		324	mg/m3	5000	0.001

Sample: 176275 - Air Effluent

Analysis:	TVHC	Analytical Method:	8015	QC Batch:	QC13046	Date Analyzed:	8/2/01
Analyst:	CG	Preparation Method:	N/A	Prep Batch:	PB11149	Date Prepared:	8/2/01

Param	Flag	Result	Units	Dilution	RDL
TVHC		18000	mg/m3	5000	0.10

Quality Control Report
Method Blank

Method Blank

QCBatch: QC13045

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/m3	0.001
Toluene		<0.001	mg/m3	0.001
Ethylbenzene		<0.001	mg/m3	0.001
M,P,O-Xylene		<0.001	mg/m3	0.001
Total BTEX		<0.001	mg/m3	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0883	mg/m3	1	0.10	88	72 - 128
4-BFB		0.0708	mg/m3	1	0.10	71	72 - 128

Method Blank

QCBatch: QC13046

Param	Flag	Results	Units	Reporting Limit
TVHC		<1	mg/m3	0.10

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC13045

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.085	0.085	mg/m3	1	0.10	<0.001	85	0	80 - 120	20
Benzene	0.088	0.090	mg/m3	1	0.10	<0.001	88	2	80 - 120	20
Toluene	0.087	0.089	mg/m3	1	0.10	<0.001	87	2	80 - 120	20
Ethylbenzene	0.087	0.087	mg/m3	1	0.10	<0.001	87	0	80 - 120	20
M,P,O-Xylene	0.258	0.262	mg/m3	1	0.30	<0.001	86	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.088	0.088	mg/m3	1	0.10	88	88	72 - 128
4-BFB	0.086	0.086	mg/m3	1	0.10	86	86	72 - 128

Laboratory Control Spikes

QCBatch: QC13046

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TVHC	0.967	0.982	mg/m3	1	1	<1	96	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Continuing Calibration Verification Standards

CCV (1) QCBatch: QC13045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.092	92	85 - 115	8/2/01
Toluene		mg/L	0.10	0.094	94	85 - 115	8/2/01
Ethylbenzene		mg/L	0.10	0.088	88	85 - 115	8/2/01
M,P,O-Xylene		mg/L	0.30	0.262	87	85 - 115	8/2/01

ICV (1) QCBatch: QC13045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.1	100	85 - 115	8/2/01
Benzene		mg/L	0.10	0.101	101	85 - 115	8/2/01
Toluene		mg/L	0.10	0.100	100	85 - 115	8/2/01
Ethylbenzene		mg/L	0.10	0.098	98	85 - 115	8/2/01
M,P,O-Xylene		mg/L	0.30	0.292	97	85 - 115	8/2/01

CCV (1) QCBatch: QC13046

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TVHC		mg/m3	1	0.966	96	80 - 120	8/2/01

ICV (1) QCBatch: QC13046

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TVHC		mg/m3	1	1.08	108	80 - 120	8/2/01

Summary Report

Kyle Landreneau
Equiva Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: January 31, 2002

Order ID Number: A01080309

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
176275	Air Effluent	Air	8/2/01	13:40	8/3/01

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (mg/m3)	Toluene (mg/m3)	Ethylbenzene (mg/m3)	M,P,O-Xylene (mg/m3)	Total BTEX (mg/m3)
176275 - Air Effluent	159	45.6	24.1	95	324

Sample: 176275 - Air Effluent

Param	Flag	Result	Units
TVHC		18000	mg/m3

This is only a summary. Please, refer to the complete report package for quality control data.

Summary Report

Kyle Landreneau
Equiva Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: October 16, 2001

Order ID Number: A01100806

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Project Address:
Enercon Services Inc. / Midland / Jeff Kindley

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
181262	MW-11	Water	10/4/01	9:15	10/6/01
181263	MW-12	Water	10/4/01	9:25	10/6/01
181264	MW-13	Water	10/4/01	9:55	10/6/01
181265	MW*15	Water	10/4/01	10:45	10/6/01
181266	MW-16	Water	10/4/01	10:20	10/6/01
181267	MW-2	Water	10/4/01	11:30	10/6/01
181268	MW-9	Water	10/4/01	11:45	10/6/01
181269	MW-6	Water	10/4/01	12:00	10/6/01

This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)
181262 - MW-11	0.389	<0.010	<0.010	<0.010	0.389
181263 - MW-12	<0.001	<0.001	<0.001	<0.001	<0.001
181264 - MW-13	0.0043	<0.001	<0.001	<0.001	0.0043
181265 - MW*15	<0.001	<0.001	<0.001	<0.001	<0.001
181266 - MW-16	<0.001	<0.001	<0.001	<0.001	<0.001
181267 - MW-2	1.30	<0.100	<0.100	<0.100	1.30
181268 - MW-9	<0.001	<0.001	<0.001	<0.001	<0.001
181269 - MW-6	0.831	<0.050	0.428	0.204	1.463

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Kyle Landreneau
Equiva Kyle Landreneau
PMB 284 40 FM 1960 West
Houston, TX 77090

Report Date: October 16, 2001

Order ID Number: A01100806

Project: EQ-101
TA Job Code: Denton Station
Casualty Code: EQ-101
Project Location: Lea Co. New Mexico
Enercon Services Inc. / Midland / Jeff Kindley

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
181262	MW-11	Water	10/4/01	9:15	10/6/01
181263	MW-12	Water	10/4/01	9:25	10/6/01
181264	MW-13	Water	10/4/01	9:55	10/6/01
181265	MW*15	Water	10/4/01	10:45	10/6/01
181266	MW-16	Water	10/4/01	10:20	10/6/01
181267	MW-2	Water	10/4/01	11:30	10/6/01
181268	MW-9	Water	10/4/01	11:45	10/6/01
181269	MW-6	Water	10/4/01	12:00	10/6/01

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 181262 - MW-11

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC14698 | Date Analyzed: 10/9/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB12519 | Date Prepared: 10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.389	mg/L	10	0.001
Toluene		<0.010	mg/L	10	0.001
Ethylbenzene		<0.010	mg/L	10	0.001
M,P,O-Xylene		<0.010	mg/L	10	0.001
Total BTEX		0.389	mg/L	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.733	mg/L	10	0.10	73	72 - 128
4-BFB		0.792	mg/L	10	0.10	79	72 - 128

Sample: 181263 - MW-12

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC14698 | Date Analyzed: 10/9/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB12519 | Date Prepared: 10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0892	mg/L	1	0.10	89	72 - 128
4-BFB		0.0927	mg/L	1	0.10	93	72 - 128

Sample: 181264 - MW-13

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC14698 | Date Analyzed: 10/9/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB12519 | Date Prepared: 10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0043	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0043	mg/L	1	0.001

Continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0799	mg/L	1	0.10	80	72 - 128
4-BFB		0.083	mg/L	1	0.10	83	72 - 128

Sample: 181265 - MW*15

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC14698	Date Analyzed:	10/9/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB12519	Date Prepared:	10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[1]	0.0525	mg/L	1	0.10	52	72 - 128
4-BFB	[2]	0.0548	mg/L	1	0.10	54	72 - 128

Sample: 181266 - MW-16

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC14698	Date Analyzed:	10/9/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB12519	Date Prepared:	10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[3]	0.0296	mg/L	1	0.10	29	72 - 128
4-BFB	[4]	0.0317	mg/L	1	0.10	31	72 - 128

Sample: 181267 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC14775	Date Analyzed:	10/12/01
Analyst:	CG	Preparation Method:	E 5030B	Prep Batch:	PB12572	Date Prepared:	10/12/01

[1]Low surrogate recovery due to matrix difficulties.
[2]Low surrogate recovery due to matrix difficulties.
[3]Low surrogate recovery due to matrix difficulties.
[4]Low surrogate recovery due to matrix difficulties.

Param	Flag	Result	Units	Dilution	RDL
Benzene		1.30	mg/L	100	0.001
Toluene		<0.100	mg/L	100	0.001
Ethylbenzene		<0.100	mg/L	100	0.001
M,P,O-Xylene		<0.100	mg/L	100	0.001
Total BTEX		1.30	mg/L	100	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		9.62	mg/L	100	0.10	96	72 - 128
4-BFB		7.56	mg/L	100	0.10	76	72 - 128

Sample: 181268 - MW-9

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC14698 | Date Analyzed: 10/9/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB12519 | Date Prepared: 10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[5]	0.0369	mg/L	1	0.10	36	72 - 128
4-BFB	[6]	0.038	mg/L	1	0.10	38	72 - 128

Sample: 181269 - MW-6

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC14728 | Date Analyzed: 10/9/01
Analyst: CG | Preparation Method: E 5030B | Prep Batch: PB12538 | Date Prepared: 10/9/01

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.831	mg/L	50	0.001
Toluene		<0.050	mg/L	50	0.001
Ethylbenzene		0.428	mg/L	50	0.001
M,P,O-Xylene		0.204	mg/L	50	0.001
Total BTEX		1.463	mg/L	50	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	[7]	0.416	mg/L	50	0.10	8	72 - 128
4-BFB	[8]	0.696	mg/L	50	0.10	14	72 - 128

[5]Low surrogate recovery due to matrix difficulties.
[6]Low surrogate recovery due to matrix difficulties.
[7]Low surrogate recovery due to matrix difficulties.
[8]Low surrogate recovery due to matrix difficulties.

Quality Control Report
Method Blank

Method Blank

QCBatch: QC14698

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		0.0071	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		0.0071	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.104	mg/L	1	0.10	104	72 - 128
4-BFB		0.0956	mg/L	1	0.10	96	72 - 128

Method Blank

QCBatch: QC14728

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0993	mg/L	1	0.10	99	72 - 128
4-BFB		0.0959	mg/L	1	0.10	96	72 - 128

Method Blank

QCBatch: QC14775

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0954	mg/L	1	0.10	95	72 - 128
4-BFB		0.0751	mg/L	1	0.10	75	72 - 128

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC14698

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.101	0.0995	mg/L	1	0.10	<0.001	101	1	80 - 120	20
Benzene	0.100	0.100	mg/L	1	0.10	<0.001	100	0	80 - 120	20
Toluene	0.101	0.101	mg/L	1	0.10	0.0071	94	0	80 - 120	20
Ethylbenzene	0.0997	0.0993	mg/L	1	0.10	<0.001	100	0	80 - 120	20
M,P,O-Xylene	0.285	0.285	mg/L	1	0.30	<0.001	95	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0994	0.100	mg/L	1	0.10	99	100	72 - 128
4-BFB	0.0963	0.098	mg/L	1	0.10	96	98	72 - 128

Laboratory Control Spikes

QCBatch: QC14728

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0964	0.0954	mg/L	1	0.10	<0.001	96	1	80 - 120	20
Benzene	0.0945	0.0936	mg/L	1	0.10	<0.001	94	1	80 - 120	20
Toluene	0.0966	0.0963	mg/L	1	0.10	<0.001	87	0	80 - 120	20
Ethylbenzene	0.0952	0.0943	mg/L	1	0.10	<0.001	95	1	80 - 120	20
M,P,O-Xylene	0.273	0.270	mg/L	1	0.30	<0.001	91	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.097	0.0976	mg/L	1	0.10	97	98	72 - 128
4-BFB	0.0962	0.0971	mg/L	1	0.10	96	97	72 - 128

Laboratory Control Spikes

QCBatch: QC14775

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0919	0.0927	mg/L	1	0.10	<0.001	92	1	80 - 120	20
Benzene	0.0948	0.0939	mg/L	1	0.10	<0.001	95	1	80 - 120	20
Toluene	0.0855	0.0848	mg/L	1	0.10	<0.001	69	1	80 - 120	20
Ethylbenzene	0.0871	0.0865	mg/L	1	0.10	<0.001	87	1	80 - 120	20
M,P,O-Xylene	0.265	0.261	mg/L	1	0.30	<0.001	88	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.100	0.100	mg/L	1	0.10	100	100	72 - 128
4-BFB	0.0895	0.0894	mg/L	1	0.10	90	89	72 - 128

Quality Control Report
Continuing Calibration Verification Standards

CCV (1) QCBatch: QC14698

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.102	102	85 - 115	10/9/01
Benzene		mg/L	0.10	0.100	100	85 - 115	10/9/01
Toluene		mg/L	0.10	0.109	102	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.107	107	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.309	103	85 - 115	10/9/01

CCV (2) QCBatch: QC14698

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.1	100	85 - 115	10/9/01
Benzene		mg/L	0.10	0.099	99	85 - 115	10/9/01
Toluene		mg/L	0.10	0.101	101	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.099	99	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.285	95	85 - 115	10/9/01

ICV (1) QCBatch: QC14698

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.101	101	85 - 115	10/9/01
Benzene		mg/L	0.10	0.0975	98	85 - 115	10/9/01
Toluene		mg/L	0.10	0.0984	91	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.0973	97	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.280	93	85 - 115	10/9/01

CCV (1) QCBatch: QC14728

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.089	89	85 - 115	10/9/01
Benzene		mg/L	0.10	0.089	89	85 - 115	10/9/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.093	93	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.088	88	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.251	83	85 - 115	10/9/01

CCV (2) QCBatch: QC14728

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.094	94	85 - 115	10/9/01
Benzene		mg/L	0.10	0.090	90	85 - 115	10/9/01
Toluene		mg/L	0.10	0.091	91	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.090	90	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.256	85	85 - 115	10/9/01

ICV (1) QCBatch: QC14728

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.097	97	85 - 115	10/9/01
Benzene		mg/L	0.10	0.0946	95	85 - 115	10/9/01
Toluene		mg/L	0.10	0.0977	88	85 - 115	10/9/01
Ethylbenzene		mg/L	0.10	0.0962	96	85 - 115	10/9/01
M,P,O-Xylene		mg/L	0.30	0.276	92	85 - 115	10/9/01

CCV (1) QCBatch: QC14775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0961	96	85 - 115	10/12/01
Benzene		mg/L	0.10	0.0933	93	85 - 115	10/12/01
Toluene		mg/L	0.10	0.0848	68	85 - 115	10/12/01
Ethylbenzene		mg/L	0.10	0.0866	87	85 - 115	10/12/01
M,P,O-Xylene		mg/L	0.30	0.262	87	85 - 115	10/12/01

CCV (2) QCBatch: QC14775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.097	97	85 - 115	10/12/01
Benzene		mg/L	0.10	0.097	97	85 - 115	10/12/01

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.086	86	85 - 115	10/12/01
Ethylbenzene		mg/L	0.10	0.087	87	85 - 115	10/12/01
M,P,O-Xylene		mg/L	0.30	0.265	88	85 - 115	10/12/01

ICV (1)

QCBatch: QC14775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0952	95	85 - 115	10/12/01
Benzene		mg/L	0.10	0.098	98	85 - 115	10/12/01
Toluene		mg/L	0.10	0.0916	75	85 - 115	10/12/01
Ethylbenzene		mg/L	0.10	0.0924	92	85 - 115	10/12/01
M,P,O-Xylene		mg/L	0.30	0.276	92	85 - 115	10/12/01