GW - 355

MONITORING REPORTS

DATE:

3/97

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant
Lea County, New Mexico

RECEIVED
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Environmental Bureau
Oil Conservation Division

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Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company

Bell Lake Plant

I. Ground Water Monitoring Activities

Quarterly Ground Water Sampling Events

Transwestern Pipeline Company completed four quarterly sampling events in 1996. These events were completed on February 21, May 16, August 14, and November 14, 1996.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase separated hydrocarbon (PSH) was present, was determined for each monitor well. Table 1 presents a summary of ground water and PSH surface elevation information. A ground water surface elevation map for the 4th quarter sampling event is included as Figure 1. In addition, a figure indicating the estimated area with PSH present at the water table is included as Figure 2.

In the course of each sample event, ground water samples were collected from each of the nine monitor wells at the site. In addition, ground water samples were collected from the on-site water well. Samples were not collected from the three SVE wells. Ground water samples were delivered to a laboratory for analysis by EPA Method 8020 for benzene, toluene, ethylbenzene, and xylenes (BTEX). In addition, samples collected in the course of the 1st quarter sampling event were also submitted to a laboratory for analysis for total dissolved solids (TDS) and a selected list of major ions. A summary of the laboratory results is presented in Table 2. A BTEX distribution map for the November, 1996, sampling event is included as Figure 3.

Results/Conclusions from Ground Water Sampling Events

Occurrence and Direction of Ground Water Flow

A water table elevation map based on measurements obtained during the 4th quarter sampling event is included as Figure 1. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site. The hydraulic gradient, as estimated from the information presented in Figure 1, is approximately 0.002 ft/ft over the site area.

Lateral Extent of Phase Separated Hydrocarbon

The lateral extent of PSH is currently defined by the occurrence of PSH at the water table in wells SVE-1 and SVE-3 and the absence of PSH in all other monitor wells. The thickness of accumulated PSH in wells SVE-1 and SVE-3 was measured in January, 1997, at 1.71 feet and 2.95 feet, respectively. Information obtained during previous assessment activities confirmed that no PSH was present at the water table at the location of soil borings DP-1, DP-2, BP-3, and BP-4 as indicated in Figure 2. As a result, the volume and lateral extent of PSH in these two areas is apparently relatively limited.

Condition of Affected Ground water

The condition of affected ground water, based on recent sampling events, has not changed significantly from previous sampling events as evidenced by the information presented in Table 2. Elevated concentrations of benzene continues to be the primary concern. A sufficient history of constituent concentrations has yet to be developed in order to evaluate natural attenuation processes.

II. Planned Changes to the Ground Water Monitoring Program

Disposal of Monitor Well Purge Water

Transwestern anticipates that approximately 75 gallons (total) of purge water will be generated from the nine monitor wells in the course of each sampling event. The purge water generated from all nine monitor wells will be stored on-site in one or more 55-gallon drums. A water sample will be collected from each drum containing purge water prior to a determination regarding disposal. Purge water samples will be delivered to a laboratory for analysis for BTEX compounds (Method 8020). In the event analytical results indicate the concentration of all BTEX compounds to be below WQCC standards, the contents of the associated drum will be emptied to the ground surface on-site. In the event analytical results indicate the concentration of any BTEX compound to be above WQCC Standards, the contents of the associated drum will be placed into the concrete containment of the on-site condensate AST so that it may evaporate.

Frequency of Ground Water Monitoring

In light of the history of ground water sampling results which has been developed for this site, Transwestern proposes to move from a schedule of quarterly sampling events to semi-annual sampling events. [Note: at least five sampling events have been completed for each monitor well at the site.]

Sample Analysis Plan

Transwestern proposes to modify the sample analysis plan to include BTEX compounds (Method 8020), TDS, and chloride.

Laboratory analyses have indicated that most inorganic constituents have been reported below WQCC standards with the exception of TDS and chloride. As a result, analyses for these two analytes have been retained in the sampling plan.

Routine Reporting of Monitoring Activities

Transwestern proposes to continue with annual reporting. The next annual report will be submitted to the OCD by March 1, 1998.

III. Status of Remediation Activities

Remediation Activities Completed During 1996

The following remediation activities were completed during 1996:

1) Transwestern obtained an air permit from the NMED APCB to operate the SVE remediation system;

2) Transwestern completed installation and startup of the SVE remediation system in June, 1996;

3) Transwestern completed four quarterly ground water sampling events as required by the remediation plan; and

4) Transwestern has continued routine O&M of the remediation system to ensure efficient and effective operation.

Current Status of Remediation Activities

Routine operation and maintenance of the SVE system is ongoing.

As indicated in Table 1, the apparent thickness of PSH measured in the wells SVE-1 and SVE-3 casing has not changed since implementation of the remediation plan. As a result, Transwestern is evaluating alternatives to enhance the PSH removal efficiency of the system.

In addition, the concentration of petroleum hydrocarbons in soil vapor have decreased significantly since startup of the SVE system. As a result, Transwestern is in the process of evaluating whether the SVE blower/incinerator equipment can be replaced with an SVE blower without an emission control component. This modification would substantially reduce operation and maintenance requirements of the system.

Prior to any significant modifications to the remediation system, Transwestern will submit a description of the proposed changes to the OCD for review and comment.

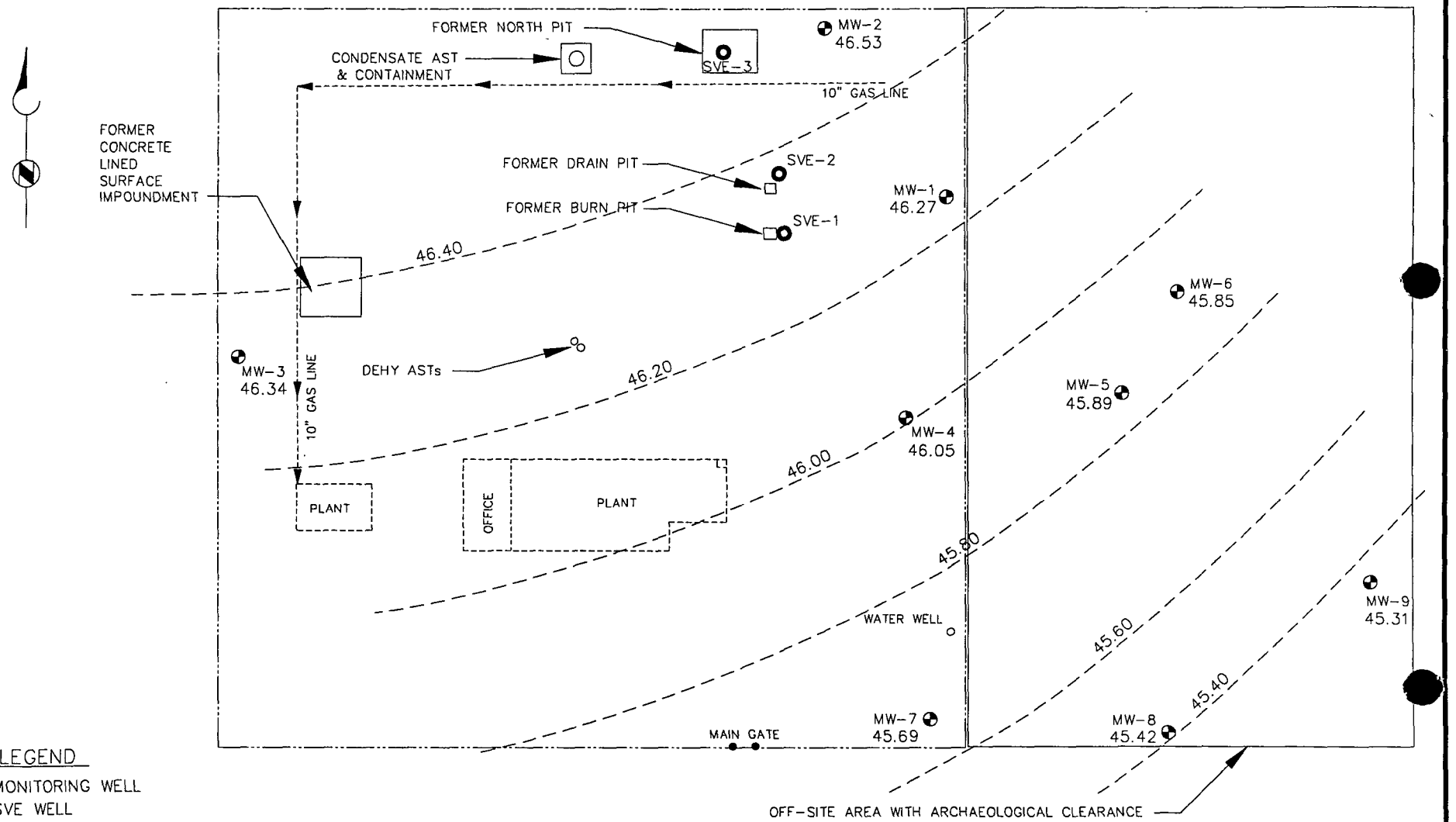
Remediation Activities Planned for 1997

Transwestern anticipates that the remediation system will be in operation at least through the end of 1997 in order to achieve its cleanup objectives. In addition, Transwestern plans to complete the ground water sampling program as outlined above.

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Figures



LEGEND

- MONITORING WELL
- SVE WELL

46.00 GROUNDWATER ELEVATION (FT. ABOVE DATUM AT 3500 FT. MSL)

CYPRESS ENGINEERING SERVICES, INC. HOUSTON, TEXAS	0 50 100 SCALE: 1" = 100'	TITLE GROUNDWATER ELEVATION MAP NOVEMBER 1996	DATE 02/21/97
SUBMITTED: ____ DATE: ____	DRAWN BY: GCR DATE ____	CLIENT TRANSWESTERN PIPELINE COMPANY	PROJECT NUMBER
APPROVED: ____ DATE: ____	CHK'D BY: ____ DATE ____	SITE LOCATION BELL LAKE PLANT JAL, NEW MEXICO	FIGURE NUMBER 1
REV. DESCRIPTION BY DATE	APPROVED: ____ DATE ____		

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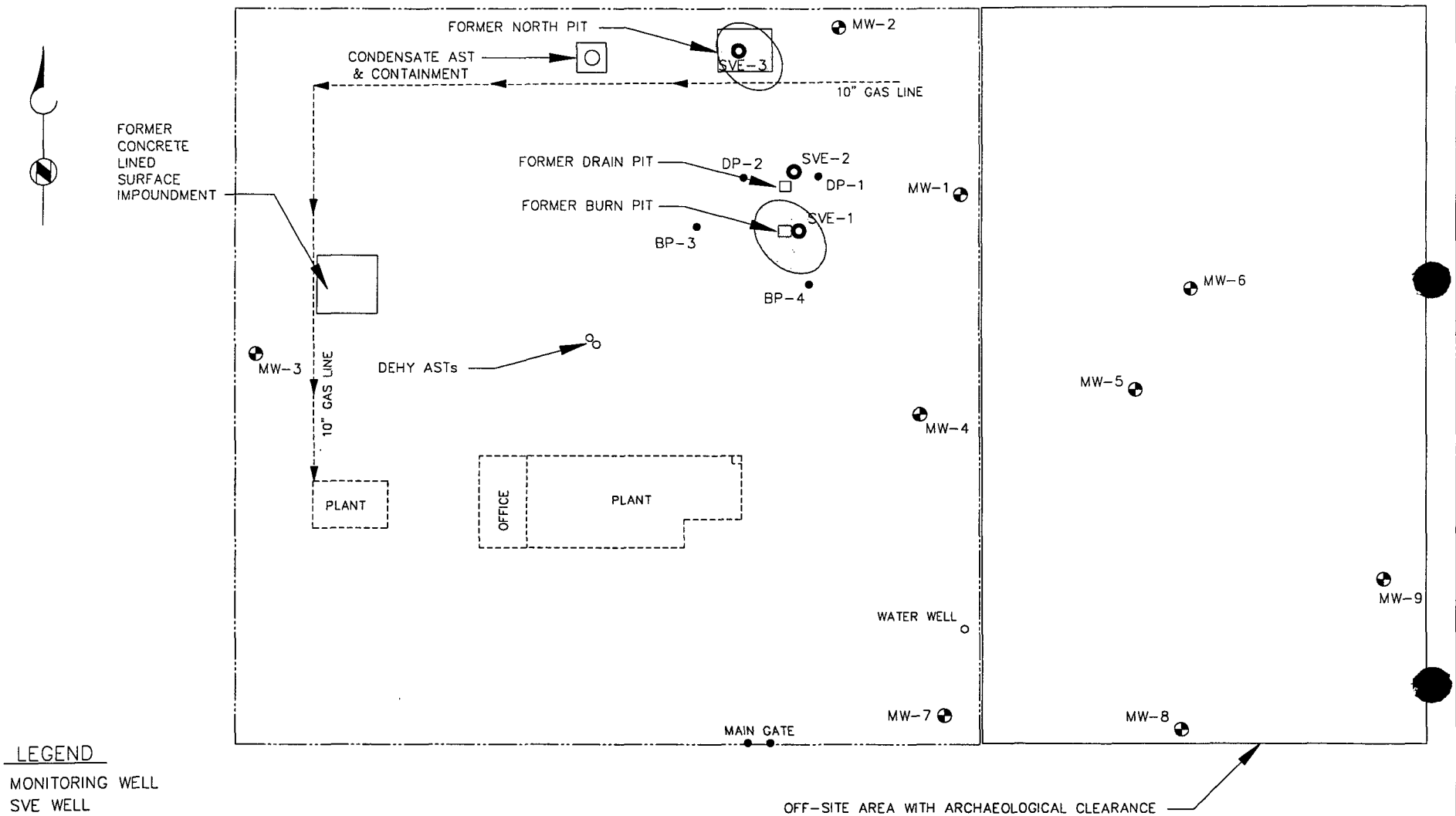

LEGEND

- MONITORING WELL
- SVE WELL
- SOIL BORING LOCATION

ESTIMATED AREA OF PHASE SEPARATED HYDROCARBON

CYPRESS ENGINEERING SERVICES, INC. HOUSTON, TEXAS		0 50 100 SCALE: 1" = 100'	TITLE: ESTIMATED AREA OF PSH
SUBMITTED: ____ DATE: ____		DRAWN BY: GCR DATE ____	CLIENT: TRANSWESTERN PIPELINE COMPANY
APPROVED: ____ DATE: ____		CHK'D BY: ____ DATE ____	SITE LOCATION: BELL LAKE PLANT, JAL, NEW MEXICO
REV.	DESCRIPTION / BY / DATE	APPROVED: ____ DATE ____	DATE: 02/21/97; PROJECT NUMBER; FIGURE NUMBER: 2

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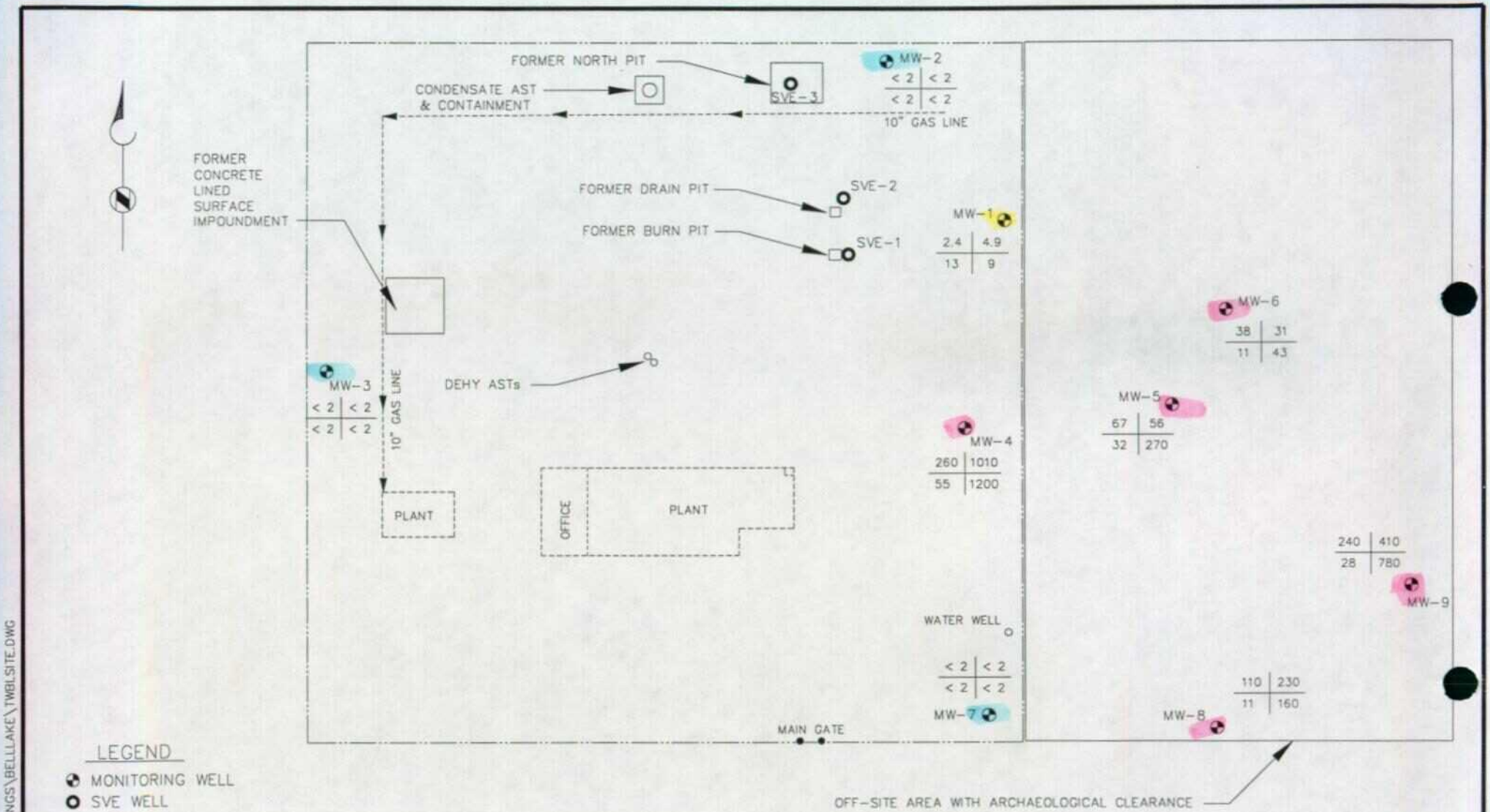

CYPRESS ENGINEERING SERVICES, INC.
HOUSTON, TEXAS

SUBMITTED: _____ DATE: _____

APPROVED: _____ DATE: _____

REV.	DESCRIPTION	BY	DATE

0 50 100
SCALE: 1" = 100'

DRAWN BY: GCR DATE _____
CHK'D BY: _____ DATE _____
APPROVED: _____ DATE _____

TITLE: BTEX DISTRIBUTION MAP NOVEMBER 1996

CLIENT: TRANSWESTERN PIPELINE COMPANY

SITE LOCATION: BELL LAKE PLANT JAL, NEW MEXICO

DATE: 02/21/97

PROJECT NUMBER:

FIGURE NUMBER: 3

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Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Tables

Table 1. Summary of Ground Water Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	PSH Thickness (ft)	Groundwater Surface Elevation (ft)
MW-1	11/93	(a)	3546.40
	12/94	(a)	3545.99
	5/95	(a)	3546.19
	12/95	(a)	3546.10
	2/96	(a)	3546.13
	5/96	(a)	3546.16
	8/96	(a)	3546.05
	11/96	(a)	3546.27
MW-2	11/93	(a)	3546.61
	12/94	(a)	3546.48
	5/95	(a)	3546.40
	12/95	(a)	3546.32
	2/96	(a)	3546.34
	5/96	(a)	3546.36
	8/96	(a)	3546.24
	11/96	(a)	3546.53
MW-3	11/93	(a)	3546.68
	12/94	(a)	3546.56
	5/95	(a)	3546.47
	12/95	(a)	3546.40
	2/96	(a)	3546.44
	5/96	(a)	3546.44
	8/96	(a)	3546.33
	11/96	(a)	3546.34
MW-4	12/94	(a)	3537.15
	5/95	(a)	3537.08
	12/95	(a)	3546.00
	2/96	(a)	3546.00
	5/96	(a)	3546.06
	8/96	(a)	3545.96
	11/96	(a)	3546.05
MW-5	12/94	(a)	3545.98
	5/95	(a)	3545.95
	12/95	(a)	3545.91
	2/96	(a)	3545.85
	5/96	(a)	3545.91
	8/96	(a)	3545.88
	11/96	(a)	3545.89

Table 1. Summary of Ground Water Surface Elevations
TW Bell Lake Gas Plant

Well	Sampling Date	PSH Thickness (ft)	Groundwater Surface Elevation (ft)
MW-6	12/94	(a)	3546.01
	5/95	(a)	3545.96
	12/95	(a)	3545.94
	2/96	(a)	3545.85
	5/96	(a)	3545.91
	8/96	(a)	3545.84
	11/96	(a)	3545.85
MW-7	12/95	(a)	3545.71
	2/96	(a)	3545.74
	5/96	(a)	3545.78
	8/96	(a)	3545.68
	11/96	(a)	3545.69
MW-8	12/95	(a)	3545.46
	2/96	(a)	3545.46
	5/96	(a)	3545.50
	8/96	(a)	3545.42
	11/96	(a)	3545.42
MW-9	12/95	(a)	3545.37
	2/96	(a)	3545.35
	5/96	(a)	3545.40
	8/96	(a)	3545.36
	11/96	(a)	3545.31
SVE-1	12/95	1.44	3546.09
	2/96	1.60	3546.22
	5/96	1.69	3546.21
	1/97	1.71	3545.09
SVE-2	12/95	(a)	3546.31
	2/96	(a)	3546.27
	5/96	(a)	3546.28
	1/97	(a)	3545.29
SVE-3	12/95	0.30	3546.38
	2/96	2.85	3546.35
	5/96	3.54	3546.35
	1/97	2.95	3545.20

NOTES:

(a) Not applicable since no measurable thickness of hydrocarbon is present

(b) Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of 0.8

Table 2. Summary of Ground Water Analyses
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	pH (units)	DO (mg/L)	BTEX (ug/L)				Major Ions (mg/L)								
					Benzene	Toluene	Ethylbenzene	Total xylenes	Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard		1000	6-9	none	10	750	750	620	250	600	none	10	none	none	none	none	none
MW-1	10/93	-	-	-	**24**	29	32	82	-	-	-	-	-	-	-	-	-
	12/94	**7100**	8.8	-	**92**	50	54	<111	-	140	-	.06[a]	-	-	-	-	-
	5/95	**5800**	8.8	-	8	13	9	29	**2620**	78.3	2.0	0.37	0.04	62.7	114	12.6	1400
	12/95	**5640**	**9.55**	<1	<200	366	<200	204	**2500**	176	3.0	**30**	0.02	34.3	75.8	9.48	2400
	2/96	**5050**	-	<1	**13**	6[c]	29	54[c]	**2450**	155	<0.5	<0.05	0.04	35.8	112	11.7	1550
	5/96	-	**9.68**	<1	**15**	9	33	47	-	-	-	-	-	-	-	-	-
	8/96	-	8.97	<1	**11**	5	23	30	-	-	-	-	-	-	-	-	-
	11/96	-	8.38	<1	2.4	4.9	13	9	-	-	-	-	-	-	-	-	-
MW-2	10/93	**9200**	-	-	<5	<5	<5	<5	-	-	-	-	-	-	-	-	-
	12/94	**2600**	7.2	-	6	5	<2	<4	-	51	-	<0.05[a]	-	-	-	-	-
	5/95	**1500**	7.4	-	3	<2	<2	<2	**512**	73.6	0.50	<0.10	0.01	79.8	43.1	5.4	195
	12/95	**1420**	8.26	2	<2	<2	<2	<2	**470**	89	<1.0	10	0.02	132	46.2	5.89	3060
	2/96	940	7.07	4	<2	<2	<2	<2	214	95.5	<0.50	<0.05	<0.01	85.7	44.8	5.75	216
	5/96	-	7.84	3	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-
	8/96	-	8.62	3	<2	<2	<2	<3	-	-	-	-	-	-	-	-	-
	11/96	-	7.67	2	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-
MW-3	10/93	**1500**	-	-	<5	<5	<5	<5	-	-	-	-	-	-	-	-	-
	12/94	320	7.3	-	<2	<2	<2	<4	-	31	-	3.6[a]	-	-	-	-	-
	5/95	380	7.7	-	<2	<2	<2	<2	14.5	43.4	0.50	3.3	<0.01	54.7	17.6	7.1	20.5
	12/95	334	7.79	9	<2	<2	<2	<2	17.0	35	<1.0	6.7	0.01	68	15.8	6.69	20.6
	2/96	346	7.52	8	<2	<2	<2	2[e]	20.0	32.1	<0.50	2.92	<0.01	64.9	19.6	7.6	67.4
	5/96	-	7.62	9	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-
	8/96	-	7.46	10	<2	<2	<2	<3	-	-	-	-	-	-	-	-	-
	11/96	-	7.37	8	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-

Table 2. Summary of Ground Water Analyses
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	pH (units)	DO (mg/L)	BTEX (ug/L)				Major Ions (mg/L)								
					Benzene	Toluene	Ethylbenzene	Total xylenes	Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard		1000	6-9	none	10	750	750	620	250	600	none	10	none	none	none	none	none
MW-4	12/94	4700	9.7	-	18	71	4	160	-	70	-	<0.05[a]	-	-	-	-	-
	5/95	5200	10.0	-	300	1300	<2	800	1700	104	17.5	<0.10	<0.01	<0.10	0.76	4.9	1650
	12/95	6600	10.7	<1	445	1380	<200	970	1900	90	21.0	103	<0.01	74.2	4.25	6.15	1880
	2/96	3450		<1	<200	454	<200	594[c]	1010	35.7	20.0	<0.05	<0.01	10.6	2.02	4.84	1210
	5/96	-	9.93	<1	92	549	52	1370	-	-	-	-	-	-	-	-	-
	8/96	-	12.89	<1	333	992	<200	2630	-	-	-	-	-	-	-	-	-
	11/96	-	8.51	<1	260	1010	55	1200	-	-	-	-	-	-	-	-	-
MW-5	12/94	9500	9.3	-	9	20	4	64	-	49	-	<0.05[a]	-	-	-	-	-
	5/95	7400	9.0	-	51	109	16	219	4070	12.4	4.5	<0.10	0.01	4.8	2.0	13.8	2690
	12/95	7580	10.4	<1	27	26	16	107	3650	24	3.0	53	0.06	6.13	1.98	11.8	2590
	2/96	8050	13.0	<1	45	59	17	133	4050	17.9	<0.50	<0.05	1.45	22.2	2.79	12.6	3100
	5/96	-	8.9	<1	51	52	26	177	-	-	-	-	-	-	-	-	-
	8/96	-	9.1	<1	48	33	21	150	-	-	-	-	-	-	-	-	-
	11/96	-	8.6	<1	67	56	32	270	-	-	-	-	-	-	-	-	-
MW-6	12/94	4700	8.5	-	<2	3	<2	<6	-	150	-	<0.05[a]	-	-	-	-	-
	5/95	5400	9.2	-	28	26	4	57	2670	78.3	2.5	0.59	0.04	11.1	4.6	14.4	1320
	12/95	4770	9.13	2	18	11	3	33	2500	92	2.0	44.2	0.03	68.8	11.8	17	1560
	2/96	4830	9.04	<1	16	12	6	48	2500	85.9	<0.50	<0.05	<0.01	26.6	10.5	18.1	1500
	5/96	-	9.09	<1	24	26	10	74	-	-	-	-	-	-	-	-	-
	8/96	-	8.79	<1	24	23	<20	80	-	-	-	-	-	-	-	-	-
	11/96	-	8.62	<1	38	31	11	43	-	-	-	-	-	-	-	-	-

Table 2. Summary of Ground Water Analyses
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	pH (units)	DO (mg/L)	BTEX (ug/L)				Major Ions (mg/L)								
					Benzene	Toluene	Ethylbenzene	Total xylenes	Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard		1000	6-9	none	10	750	750	620	250	600	none	10	none	none	none	none	none
MW-7	12/95	**4040**	7.15	6	<2	<2	<2	<2	**2150**	88	2.0	**17.5**	0.023	419	155	31.2	954
	2/96	**4490**	6.47	2	2	<2	<2	<2	**2500**	60.9	<0.50	<0.05	<0.01	499	193	29.3	745
	5/96	-	6.57	2	4	<2	2	<2	-	-	-	-	-	-	-	-	-
	8/96	-	6.8	2	11	<2	<2	<2	-	-	-	-	-	-	-	-	-
	11/96	-	6.79	<1	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-
MW-8	12/95	**2840**	8.76	1	**227**	391	<200	228	**1140**	71	2.0	**24.5**	0.07	66.3	13	15.8	979
	2/96	**2530**	**9.34**	2	**191**	379	<20	300	**790**	10.2	<0.50	<0.05	<0.01	50.4	13.2	14.5	873
	5/96	-	8.43	<1	**47**	94	5	91	-	-	-	-	-	-	-	-	-
	8/96	-	8.75	<1	**54**	110	<20	93	-	-	-	-	-	-	-	-	-
	11/96	-	8.61	<1	**110**	230	11	160	-	-	-	-	-	-	-	-	-
MW-9	12/95	**11700**	7.17	10	**<200**	241	<200	383	**4500**	7	3.0	**38.3**	<0.01	388	168	32	3030
	2/96	**11000**	-	<1	**331**	662	<200	**739**[c]	**4200**	<5.0	<0.50	<0.05	0.02	201	118	28.9	3740
	5/96	-	6.93	<1	**460**	450	<200	**1650**	-	-	-	-	-	-	-	-	-
	8/96	-	-	-	**250**	340	<50	**800**	-	-	-	-	-	-	-	-	-
	11/96	-	8.72	<1	**240**	410	28	**780**	-	-	-	-	-	-	-	-	-
SVE-1	12/95	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]
	2/96	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]
SVE-2	12/95	**2670**	**9.5**	<1	**<200**	231	<200	202	**1500**	43	3.0	**31.9**	0.03	317	25.2	26.8	1720
	2/96	**2410**	**9.05**	2	**133**	191	<2	72	**495**	33.5	<0.50	<0.05	0.01	66.5	56.6	25	1390
SVE-3	12/95	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]
	2/96	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]	[b]

Table 2. Summary of Ground Water Analyses
TW Bell Lake Gas Plant

Well	Sampling Date	TDS (mg/L)	pH (units)	DO (mg/L)	BTEX (ug/L)				Major Ions (mg/L)								
					Benzene	Toluene	Ethylbenzene	Total xylenes	Chloride	Sulfate	Sulfite	N-Nitrate	N-Nitrite	Calcium	Magnesium	Potassium	Sodium
NMWQCC Standard		1000	6-9	none	10	750	750	620	250	600	none	10	none	none	none	none	none
Water Well	5/95	900	8.2	-	<2	<2	<2	<2	100	358	0.50	<0.10	<0.01	38.7	23.2	5.3	194
	12/95	825	8.53	8	<2	<2	<2	<2	106	345	<1.0	1.7	<0.01	38	22.2	5.32	186
	2/96	402	-	8	<2	<2	<2	<2	107	343	<0.50	<0.05	<0.01	44.9	26.1	5.82	221
	5/96	-	7.52	8	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-
	8/96	-	-	-	<2	<2	<2	<3	-	-	-	-	-	-	-	-	-
	11/96	-	7.52	<1	<2	<2	<2	<2	-	-	-	-	-	-	-	-	-

Notes:
a - Nitrate + Nitrite
b - No sample, phase separated hydrocarbon present
c - Correction to laboratory data entry errors

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Attachment #1

Laboratory Reports for the February 1996 Ground Water Sampling Event

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

NET Job Number: 96.01387

Enclosed is a corrected analytical report for the following samples submitted to the Dallas Division of NET Inc. Reproduction of this report is permitted only in its entirety.

Sample Number	Sample Description	Date Taken	Date Received
295552	MW-2	02/20/1996	02/23/1996
295553	MW-6	02/20/1996	02/23/1996
295554	MW-7	02/20/1996	02/23/1996
295555	SVE-2	02/21/1996	02/23/1996
295556	MW-8	02/21/1996	02/23/1996
295557	MW-5	02/21/1996	02/23/1996
295558	MW-1	02/21/1996	02/23/1996
295559	MW-9	02/21/1996	02/23/1996
295560	MW-4	02/21/1996	02/23/1996
295561	MW-3	02/20/1996	02/23/1996
295562	WATER WELL	02/21/1996	02/23/1996

The following corrections were made to the analytical results:

Due to data entry errors the Toluene result for sample 295558 (MW-1) was corrected from 62ug/L to 6 ug/L. The total Xylenes result for this same sample was corrected from 53ug/L to 54ug/L.

Due to a data entry error the Total Xylenes result for sample 295559 (MW-9) was corrected from <200ug/L to 739ug/L.

Due to a data entry error the Total Xylenes result for sample 295560 (MW-4) was corrected from 460ug/L to 594ug/L.

Due to a quantitation error the Total Xylenes result for sample 295561 (MW-3) was corrected from <2ug/L to 2ug/L.

Eric J. Yeggy

Technical Support
NET Inc.
Corporate Headquarters

NATIONAL ENVIRONMENTAL TESTING, INC.

Dallas Division
1548 Valwood Parkway
Suite 118
Carrollton, TX 75006
Tel: (214) 406-8100
Fax: (214) 484-2969

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/05/1996

NET Job Number: 96.01387

Enclosed is the Analytical and Quality Control report for the following samples submitted to the Dallas Division of NET, Inc. for analysis. Reproduction of this analytical report is permitted only in its entirety.

Sample Number	Sample Description	Date Taken	Date Received
295552	MW-2	02/20/1996	02/23/1996
295553	MW-6	02/20/1996	02/23/1996
295554	MW-7	02/20/1996	02/23/1996
295555	SVE-2	02/21/1996	02/23/1996
295556	MW-8	02/21/1996	02/23/1996
295557	MW-5	02/21/1996	02/23/1996
295558	MW-1	02/21/1996	02/23/1996
295559	MW-9	02/21/1996	02/23/1996
295560	MW-4	02/21/1996	02/23/1996
295561	MW-3	02/20/1996	02/23/1996
295562	WATER WELL	02/21/1996	02/23/1996

National Environmental Testing, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument calibration: All calibrations were within method quality control criteria.

Analysis Comments: No Unusual Comments

Gregory K. Horton
Project Manager

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/05/1996
Job No.: 96.01387

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295552 MW-2
Taken: 02/20/1996 17:20

EPA-8020 AQ (PRESERVED)		
Benzene	<2	ug/L
Ethylbenzene	<2	ug/L
Toluene	<2	ug/L
Xylenes, Total	<2	ug/L
SURR: a,a,a-TFT	102	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	<50	ug/L

295553 MW-6
Taken: 02/20/1996 16:35

EPA-8020 AQ (PRESERVED)		
Benzene	16	ug/L
Ethylbenzene	6	ug/L
Toluene	12	ug/L
Xylenes, Total	48	ug/L
SURR: a,a,a-TFT	87	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	277	ug/L

295554 MW-7
Taken: 02/20/1996 16:00

EPA-8020 AQ (PRESERVED)		
Benzene	2	ug/L
Ethylbenzene	<2	ug/L
Toluene	<2	ug/L
Xylenes, Total	<2	ug/L
SURR: a,a,a-TFT	89	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	<50	ug/L

295555 SVE-2
Taken: 02/21/1996 14:50

EPA-8020 AQ (PRESERVED)		
Benzene	133	ug/L
Ethylbenzene	<2	ug/L
Toluene	191	ug/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/05/1996
Job No.: 96.01387

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295555 SVE-2
Taken: 02/21/1996 14:50

Xylenes, Total	72		ug/L
SURR: a,a,a-TFT	125		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	<500	EDL	ug/L

295556 MW-8
Taken: 02/21/1996 10:45

EPA-8020 AQ (PRESERVED)			
Benzene	191		ug/L
Ethylbenzene	<20	EDL	ug/L
Toluene	379		ug/L
Xylenes, Total	300		ug/L
SURR: a,a,a-TFT	97		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	1630		ug/L

295557 MW-5
Taken: 02/21/1996 11:20

EPA-8020 AQ (PRESERVED)			
Benzene	45		ug/L
Ethylbenzene	17		ug/L
Toluene	59		ug/L
Xylenes, Total	133		ug/L
SURR: a,a,a-TFT	98		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	1090		ug/L

295558 MW-1
Taken: 02/21/1996 12:05

EPA-8020 AQ (PRESERVED)			
Benzene	13		ug/L
Ethylbenzene	29		ug/L
Toluene	62		ug/L
Xylenes, Total	53		ug/L
SURR: a,a,a-TFT	92		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	757		ug/L

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/05/1996
Job No.: 96.01387

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295559 MW-9
Taken: 02/21/1996 12:50

EPA-8020 AQ (PRESERVED)			
Benzene	331		ug/L
Ethylbenzene	<200	EDL	ug/L
Toluene	662		ug/L
Xylenes, Total	<200	EDL	ug/L
SURR: a,a,a-TFT	86		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	2540		ug/L

295560 MW-4
Taken: 02/21/1996 15:15

EPA-8020 AQ (PRESERVED)			
Benzene	<200	EDL	ug/L
Ethylbenzene	<200	EDL	ug/L
Toluene	454		ug/L
Xylenes, Total	460		ug/L
SURR: a,a,a-TFT	91		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	2520		ug/L

295561 MW-3
Taken: 02/20/1996 17:00

EPA-8020 AQ (PRESERVED)			
Benzene	<2		ug/L
Ethylbenzene	<2		ug/L
Toluene	<2		ug/L
Xylenes, Total	<2		ug/L
SURR: a,a,a-TFT	112		% Rec

295562 WATER WELL
Taken: 02/21/1996 16:00

EPA-8020 AQ (PRESERVED)			
Benzene	<2		ug/L
Ethylbenzene	<2		ug/L
Toluene	<2		ug/L
Xylenes, Total	<2		ug/L
SURR: a,a,a-TFT	110		% Rec

EDL - Elevated Detection Limit due to matrix interference.

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 96.01387

PARAMETER	ANALYST	DATE ANALYZED	METHOD	CCV RESULT	CCV TRUE CONCENTRATION	% REC.	FLAG
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	tcc	02/29/1996	S-8020M	22	20	110	NA
Ethylbenzene	tcc	02/29/1996	S-8020M	20	20	100	NA
Toluene	tcc	02/29/1996	S-8020M	22	20	110	NA
Xylenes, Total	tcc	02/29/1996	S-8020M	59	60	98	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	tcc	03/01/1996	S-8020M	20	20	100	NA
Ethylbenzene	tcc	03/01/1996	S-8020M	20	20	100	NA
Toluene	tcc	03/01/1996	S-8020M	20	20	100	NA
Xylenes, Total	tcc	03/01/1996	S-8020M	63	60	105	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	tcc	03/04/1996	S-8020M	22	20	110	NA
Ethylbenzene	tcc	03/04/1996	S-8020M	21	20	105	NA
Toluene	tcc	03/04/1996	S-8020M	21	20	105	NA
Xylenes, Total	tcc	03/04/1996	S-8020M	66	60	110	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bgm	02/29/1996	S-8020M	20	20	100	NA
Ethylbenzene	bgm	02/29/1996	S-8020M	22	20	110	NA
Toluene	bgm	02/29/1996	S-8020M	20	20	100	NA
Xylenes, Total	bgm	02/29/1996	S-8020M	66	60	110	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bgm	03/01/1996	S-8020M	20	20	100	NA

Method References and Codes

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.

E-100 through 493: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

A: "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
Continuing Calibration Verification (CCV)

JOB NUMBER: 96.01387

PARAMETER	ANALYST	DATE ANALYZED	METHOD	CCV RESULT	CCV TRUE CONCENTRATION	% REC.	FLAG
Ethylbenzene	bgm	03/01/1996	S-8020M	22	20	110	NA
Toluene	bgm	03/01/1996	S-8020M	21	20	105	NA
Xylenes, Total	bgm	03/01/1996	S-8020M	67	60	112	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bgm	03/04/1996	S-8020M	16	20	80	NA
Ethylbenzene	bgm	03/04/1996	S-8020M	18	20	90	NA
Toluene	bgm	03/04/1996	S-8020M	16	20	80	NA
Xylenes, Total	bgm	03/04/1996	S-8020M	56	60	93	NA
TPH as Gasoline	tcc	03/01/1996	S-8015M	830	1000	83	NA

Method References and Codes

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.

E-100 through 493: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

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SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
BLANKS

JOB NUMBER: 96.01387

PARAMETER	DATE ANALYZED	BLANK	UNITS	REPORTING LIMIT	FLAG
EPA-8020 AQ (PRESERVED)					
Benzene	02/29/1996	<2	ug/L	2	NA
Ethylbenzene	02/29/1996	<2	ug/L	2	NA
Toluene	02/29/1996	<2	ug/L	2	NA
Xylenes, Total	02/29/1996	<2	ug/L	2	NA
EPA-8020 AQ (PRESERVED)					
Benzene	02/29/1996	<2	ug/L	2	NA
Ethylbenzene	02/29/1996	<2	ug/L	2	NA
Toluene	02/29/1996	<2	ug/L	2	NA
Xylenes, Total	02/29/1996	<2	ug/L	2	NA
TPH California Method-Aqueous					
TPH as Gasoline	03/01/1996	<50	ug/L	50	NA

Advisory Control Limits for Blanks

Metals/Wet Chemistry/Conventionals/GC - All compounds should be less than the Reporting Limit.

GC/MS Semi-Volatiles - All compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the Reporting Limit.

GC/MS Volatiles - Toluene, Methylene chloride, Acetone and Chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.

QUALITY CONTROL REPORT
Laboratory Control Sample
(LCS)

JOB NUMBER: 96.01387

PARAMETER	LCS RESULT	TRUE CONC.	LCS % REC.	FLAG
EPA-8020 AQ (PRESERVED)				
Benzene	16	20	80	
Ethylbenzene	14	20	70	
Toluene	14	20	70	
Xylenes, Total	44	60	73	
EPA-8020 AQ (PRESERVED)				
Benzene	21	20	105	
Ethylbenzene	22	20	110	
Toluene	19	20	95	
Xylenes, Total	65	60	108	
TPH as Gasoline	984	1000	98	

Advisory Control Limits for LCS

Inorganic Parameters - The LCS recovery should be 80-120%.

QUALITY CONTROL REPORT
Matrix Spike / Matrix Spike Duplicate (MS / MSD)

JOB NUMBER: 96.01387

PARAMETER	SAMPLE RESULT	MS RESULT	MSD RESULT	SPIKE AMOUNT	MS % REC.	MSD % REC.	MS/MSD RPD	FLAG
EPA-8020 AQ (PRESERVED)								
Benzene	<2	18	19	20	90	95	5.4	
Ethylbenzene	<2	16	18	20	80	90	12	
Toluene	<2	17	18	20	85	90	5.7	
Xylenes, Total	<2	52	54	60	87	90	3.7	
EPA-8020 AQ (PRESERVED)								
Benzene	<2	16	18	20	80	90	12	
Ethylbenzene	<2	17	20	20	85	100	16	
Toluene	<2	16	19	20	80	95	17	
Xylenes, Total	<2	53	62	60	88	103	16	
TPH as Gasoline	<50	940	830	1000	94	83	12	

Advisory Control Limits for MS/MSDs

Inorganic Parameters - The spike recovery should be 75-125% if the spike amount value is greater than or equal to one fourth of the sample result value. The RPD for the MS/MSD should be less than 20.

NOTE: Matrix Spike Samples may not be samples from this job.

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY ENRON OPERATIONS CORP
ADDRESS P.O. BOX 1188 HOUSTON TX 77251
PHONE (713) 646-7252 FAX (713) 646-7867
PROJECT NAME/LOCATION BELL LAKE PLANT
PROJECT NUMBER
PROJECT MANAGER

GEORGE ROBINSON
C/O ENRON OPERATIONS CORP
REPORT TO: ATTN: 3AC 3142
PO. BOX 1188
INVOICE TO: HOUSTON, TX 77251
P.O. NO.
NET QUOTE NO.

SAMPLED BY SANDY SHARP (PRINT NAME) Sandy Sharp SIGNATURE
(PRINT NAME) SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	OTHER	ANALYSES: BTEX - 8020	*TPH - 8015	COMMENTS
2/20	17:00	MW-3	A	X		4 G					X	X	*TPH - 8015 (Modified Gasoline Fraction) ALL EXCEPT MW-3 & WATER WELL
	1720	MW-2										X	
	1635	MW-6											
	1600	MW-7											
2/21	1450	~~MW~~ SVE-2											
	1045	MW-8											
	11:20	MW-5											
	1205	MW-1											
	1250	MW-9											
	1515	MW-4											
	16:00	WATER WELL				2 G							

To assist us in selecting the proper method
Is this work being conducted for regulatory compliance monitoring? Yes X No
Is this work being conducted for regulatory enforcement action? Yes No X
Which regulations apply: RCRA NPDES Wastewater UST Drinking Water Other X None

dw 2/29

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO NA
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT: 4°C
Bottles supplied by NET? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS DATE

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR NET BY:
Sandy Sharp	2/21/96	0600			2/23/96	10:00	PBROWN

METHOD OF SHIPMENT
REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK

NATIONAL ENVIRONMENTAL TESTING, INC.

Dallas Division
1548 Valwood Parkway
Suite 118
Carrollton, TX 75006
Tel: (214) 406-8100
Fax: (214) 484-2969

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/04/1996

NET Job Number: 96.01386

Enclosed is the Analytical and Quality Control report for the following samples submitted to the Dallas Division of NET, Inc. for analysis. Reproduction of this analytical report is permitted only in its entirety.

Sample Number	Sample Description	Date Taken	Date Received
295541	MW-3	02/20/1996	02/23/1996
295542	MW-2	02/20/1996	02/23/1996
295543	MW-6	02/20/1996	02/23/1996
295544	MW-7	02/20/1996	02/23/1996
295545	SVE-2	02/21/1996	02/23/1996
295546	MW-8	02/21/1996	02/23/1996
295547	MW-5	02/21/1996	02/23/1996
295548	MW-1	02/21/1996	02/23/1996
295549	MW-9	02/21/1996	02/23/1996
295550	MW-4	02/21/1996	02/23/1996
295551	WATER WELL	02/21/1996	02/23/1996

National Environmental Testing, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument calibration: All calibrations were within method quality control criteria.

Analysis Comments: No Unusual Comments

Gregory K. Horton
Project Manager

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/04/1996
Job No.: 96.01386

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295541 MW-3
Taken: 02/20/1996 17:00

Chloride	20	mg/L
N-Nitrate	2.92	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	32.1	mg/L
Sulfite	<0.50	mg/L
Calcium	64.9	mg/L
Magnesium	19.6	mg/L
Potassium	7.60	mg/L
Sodium	67.4	mg/L
Total Dissolved Solids	346	mg/L

295542 MW-2
Taken: 02/20/1996 17:20

Chloride	214	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	95.5	mg/L
Sulfite	<0.50	mg/L
Calcium	85.7	mg/L
Magnesium	44.8	mg/L
Potassium	5.75	mg/L
Sodium	216	mg/L
Total Dissolved Solids	940	mg/L

295543 MW-6
Taken: 02/20/1996 16:35

Chloride	2500	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	85.9	mg/L
Sulfite	<0.50	mg/L
Calcium	26.6	mg/L
Magnesium	10.5	mg/L
Potassium	18.1	mg/L
Sodium	1500	mg/L
Total Dissolved Solids	4830	mg/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/04/1996
Job No.: 96.01386

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295544 MW-7
Taken: 02/20/1996 16:00

Chloride	2500	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	60.9	mg/L
Sulfite	<0.50	mg/L
Calcium	499	mg/L
Magnesium	193	mg/L
Potassium	29.3	mg/L
Sodium	745	mg/L
Total Dissolved Solids	4490	mg/L

295545 SVE-2
Taken: 02/21/1996 14:50

Chloride	495	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	0.01	mg/L
Sulfate	33.5	mg/L
Sulfite	<0.50	mg/L
Calcium	66.5	mg/L
Magnesium	56.6	mg/L
Potassium	25.0	mg/L
Sodium	1390	mg/L
Total Dissolved Solids	2410	mg/L

295546 MW-8
Taken: 02/21/1996 10:45

Chloride	790	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	10.2	mg/L
Sulfite	<0.50	mg/L
Calcium	50.4	mg/L
Magnesium	13.2	mg/L
Potassium	14.5	mg/L
Sodium	873	mg/L
Total Dissolved Solids	2530	mg/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/04/1996
Job No.: 96.01386

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295547 MW-5
Taken: 02/21/1996 11:20

Chloride	4050	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	1.45	mg/L
Sulfate	17.9	mg/L
Sulfite	<0.50	mg/L
Calcium	22.2	mg/L
Magnesium	2.79	mg/L
Potassium	12.6	mg/L
Sodium	3100	mg/L
Total Dissolved Solids	8050	mg/L

295548 MW-1
Taken: 02/21/1996 12:05

Chloride	2450	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	0.04	mg/L
Sulfate	155	mg/L
Sulfite	<0.50	mg/L
Calcium	35.8	mg/L
Magnesium	112	mg/L
Potassium	11.7	mg/L
Sodium	1550	mg/L
Total Dissolved Solids	5050	mg/L

295549 MW-9
Taken: 02/21/1996 12:50

Chloride	4200	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	0.02	mg/L
Sulfate	<5.0	mg/L
Sulfite	<0.50	mg/L
Calcium	201	mg/L
Magnesium	118	mg/L
Potassium	28.9	mg/L
Sodium	3740	mg/L
Total Dissolved Solids	11000	mg/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

03/04/1996
Job No.: 96.01386

Project Name: BELL LAKE PLANT

Date Received: 02/23/1996

295550 MW-4
Taken: 02/21/1996 15:15

Chloride	1010	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	35.7	mg/L
Sulfite	20.0	mg/L
Calcium	10.6	mg/L
Magnesium	2.02	mg/L
Potassium	4.84	mg/L
Sodium	1210	mg/L
Total Dissolved Solids	3450	mg/L

295551 WATER WELL
Taken: 02/21/1996 16:00

Chloride	107	mg/L
N-Nitrate	<0.05	mg/L
N-Nitrite	<0.01	mg/L
Sulfate	343	mg/L
Sulfite	<0.50	mg/L
Calcium	44.9	mg/L
Magnesium	26.1	mg/L
Potassium	5.82	mg/L
Sodium	221	mg/L
Total Dissolved Solids	402	mg/L

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 96.01386

PARAMETER	ANALYST	DATE ANALYZED	METHOD	CCV RESULT	CCV TRUE CONCENTRATION	% REC.	FLAG
N-Nitrate	cbw	02/28/1996	E-353.3	0.49	0.50	98	NA
N-Nitrite	cbw	02/27/1996	E-354.1	0.050	0.050	100	NA
Sulfate	grd	02/28/1996	E-375.4	9.0	10.0	90	NA
Calcium	des	02/27/1996	S-6010A	10.6	11.0	96	NA
Magnesium	des	02/27/1996	S-6010A	9.78	10.0	98	NA
Potassium	des	02/27/1996	S-6010A	9.83	10.0	98	NA
Sodium	des	02/27/1996	S-6010A	9.78	10.0	98	NA

Method References and Codes

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E-100 through 493: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

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SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
BLANKS

JOB NUMBER: 96.01386

PARAMETER	DATE ANALYZED	BLANK	UNITS	REPORTING LIMIT	FLAG
Chloride	03/04/1996	<5.0	mg/L	5.0	NA
N-Nitrate	02/28/1996	<0.05	mg/L	0.05	NA
N-Nitrite	02/27/1996	<0.01	mg/L	0.01	NA
Sulfate	02/28/1996	<5.0	mg/L	5.0	NA
Sulfite	02/28/1996	<0.50	mg/L	0.50	NA
Calcium	02/26/1996	<0.50	mg/L	0.50	NA
Magnesium	02/26/1996	<0.10	mg/L	0.10	NA
Potassium	02/26/1996	<0.50	mg/L	0.50	NA
Sodium	02/26/1996	<0.50	mg/L	0.50	NA
Total Dissolved Solids	02/26/1996	<5	mg/L	5	NA
Total Dissolved Solids	02/27/1996	<5	mg/L	5	NA

Advisory Control Limits for Blanks

Metals/Wet Chemistry/Conventionals/GC - All compounds should be less than the Reporting Limit.

GC/MS Semi-Volatiles - All compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the Reporting Limit.

GC/MS Volatiles - Toluene, Methylene chloride, Acetone and Chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.

QUALITY CONTROL REPORT
Laboratory Control Sample
(LCS)

JOB NUMBER: 96.01386

PARAMETER	LCS RESULT	TRUE CONC.	LCS % REC.	FLAG
Chloride	540	500	108	
N-Nitrate	0.48	0.50	96	
N-Nitrite	0.049	0.050	98	
Sulfate	19.9	20.0	100	
Calcium	10.1	11.0	92	
Magnesium	9.29	10.0	93	
Potassium	9.32	10.0	93	
Sodium	9.20	10.0	92	
Total Dissolved Solids	1924	2000	96	
Total Dissolved Solids	1798	2000	90	

Advisory Control Limits for LCS

Inorganic Parameters - The LCS recovery should be 80-120%.

QUALITY CONTROL REPORT
Matrix Spike / Matrix Spike Duplicate
(MS / MSD)

JOB NUMBER: 96.01386

PARAMETER	SAMPLE RESULT	MS RESULT	MSD RESULT	SPIKE AMOUNT	MS % REC.	MSD % REC.	MS/MSD RPD	FLAG
Chloride	1010	1500	1500	500	98	98	0	
Chloride	42	95	95	50.0	106	106	0	
N-Nitrate	<0.05	0.40	0.37	0.40	100	93	7.7	
N-Nitrite	0.01	0.107	0.108	0.100	97	98	1	
N-Nitrite	<0.01	0.103	0.105	0.100	103	105	1.9	
Sulfate	23.6	35.2	34.8	10.0	116	112	3.5	
Sulfate	85.9	130.6	126.7	40.0	112	102	9.2	
Calcium	10.6	20.3	20.4	11.0	88	89	1	
Magnesium	2.02	10.8	11.1	10.0	88	91	3.4	
Potassium	4.84	14.7	14.6	10.0	99	98	1	
Sodium	1210	1272	1273	10.0	620	630	1.6	SSR

SSR - The sample was >4x level of spike, skewed recoveries exist.

Advisory Control Limits for MS/MSDs

Inorganic Parameters - The spike recovery should be 75-125% if the spike amount value is greater than or equal to one fourth of the sample result value. The RPD for the MS/MSD should be less than 20.

NOTE: Matrix Spike Samples may not be samples from this job.

QUALITY CONTROL REPORT
DUPLICATES

JOB NUMBER: 96.01386

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	SPIKE SAMPLE RESULT	SPIKE RESULT	SPIKE AMOUNT	% REC.	FLAG
Sulfite	<0.50	<0.50	NA	NA	NA	NA	NA	RHT
Total Dissolved Solids	1640	1600	2.5	NA	NA	NA	NA	
Total Dissolved Solids	2410	2380	1.3	NA	NA	NA	NA	

RHT - Received out of holding time.

Advisory Control Limits for Spikes

The spike recovery should be 75-125% if the spike amount is greater than or equal to one fourth of the sample result value.

NOTE: Spike Samples may not be samples from this job.

Advisory Control Limits for Duplicates

The RPD for the sample and duplicate should be less than 20.

QUALITY CONTROL REPORT
Initial Calibration Verification
(ICV)

JOB NUMBER: 96.01386

Analyte	Prep Batch No.	Run Batch No.	ICV True Value	Units	ICV Conc Found	ICV % Rec	Flag	Date Analyzed
Sulfate	0	24	20.0	mg/L	20.3	101.5		04/04/1995

Method References and Codes

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E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

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D: ASTM Method

M: Method has been modified

*: Other Reference

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

713 646-7867

COMPANY ENRON OPERATIONS CORP
ADDRESS P.O. BOX 1188 HOUSTON, TX 77251
PHONE (713) 646-7252 FAX (713) 861-7867
PROJECT NAME/LOCATION BELL LAKE PLANT
PROJECT NUMBER
PROJECT MANAGER

REPORT TO: GEORGE ROBINSON c/o ENRON OPERATIONS CORP. ATTN: 3AC 3142
INVOICE TO: P.O. BOX 1188 HOUSTON, TX 77251
P.O. NO.
NET QUOTE NO.

SAMPLED BY (PRINT NAME) SANDY SHARP
SIGNATURE Sandy Sharp
(PRINT NAME)
SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	OTHER	ANALYSES: TDS	*MAJOR IONS
2/20	17:00	MW-3	A	X						2P	X	X
	17:20	MW-2										
	16:35	MW-6										
	16:00	MW-7										
2/21	14:50	SVE-2										
	10:45	MW-8										
	11:20	MW-5										
	12:05	MW-1										
	12:50	MW-9										
	15:15	MW-4										
	1600	WATER WELL										

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes X No
Is this work being conducted for regulatory enforcement action? Yes No X
Which regulations apply: RCRA NPDES Wastewater
UST Drinking Water
Other X None

COMMENTS

* MAJOR IONS → CHLORIDE, SULFATE, SULFITE, N-NITRATE, N-NITRITE, CALCIUM, MAGNESIUM, POTASSIUM & SODIUM

dw 2129

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? ~~YES~~ / NO NM
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? ~~YES~~ / NO NM
TEMPERATURE UPON RECEIPT: 4°C
Bottles supplied by NET? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS SS DATE

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR NET BY:
Sandy Sharp	2/22/96	0600			2/23/96	1000	R Dewitt

METHOD OF SHIPMENT

REMARKS:

OCEAN

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Attachment #2

Laboratory Reports for the May 1996 Ground Water Sampling Event

NATIONAL ENVIRONMENTAL TESTING, INC.

Dallas Division
1548 Valwood Parkway
Suite 118
Carrollton, TX 75006
Tel: (214) 406-8100
Fax: (214) 484-2969

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

05/29/1996

NET Job Number: 96.03974

Enclosed is the Analytical and Quality Control report for the following samples submitted to the Dallas Division of NET, Inc. for analysis. Reproduction of this analytical report is permitted only in its entirety.

Sample Number	Sample Description	Date Taken	Date Received
306827	MW-7	05/15/1996	05/20/1996
306828	MW-2	05/16/1996	05/20/1996
306829	MW-3	05/16/1996	05/20/1996
306830	MW-4	05/16/1996	05/20/1996
306831	MW-5	05/16/1996	05/20/1996
306832	MW-6	05/16/1996	05/20/1996
306833	MW-8	05/16/1996	05/20/1996
306834	MW-9	05/16/1996	05/20/1996
306835	WATER WELL	05/16/1996	05/20/1996
306836	MW-1	05/16/1996	05/20/1996

National Environmental Testing, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument calibration: All calibrations were within method quality control criteria.

Analysis Comments: No Unusual Comments

Gregory K. Horton
Project Manager

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

05/29/1996
Job No.: 96.03974

Project Name: TWP-BELL LAKE

Date Received: 05/20/1996

306827 MW-7
Taken: 05/15/1996 16:40

EPA-8020 AQ (PRESERVED)		
Benzene	4	ug/L
Ethylbenzene	2	ug/L
Toluene	<2	ug/L
Xylenes, Total	<2	ug/L
SURR: a,a,a-TFT	110	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	<50	ug/L

306828 MW-2
Taken: 05/16/1996 12:45

EPA-8020 AQ (PRESERVED)		
Benzene	<2	ug/L
Ethylbenzene	<2	ug/L
Toluene	<2	ug/L
Xylenes, Total	<2	ug/L
SURR: a,a,a-TFT	125	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	<50	ug/L

306829 MW-3
Taken: 05/16/1996 11:55

EPA-8020 AQ (PRESERVED)		
Benzene	<2	ug/L
Ethylbenzene	<2	ug/L
Toluene	<2	ug/L
Xylenes, Total	<2	ug/L
SURR: a,a,a-TFT	123	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	<50	ug/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

05/29/1996
Job No.: 96.03974

Project Name: TWP-BELL LAKE

Date Received: 05/20/1996

306830 MW-4
Taken: 05/16/1996 15:15

EPA-8020 AQ (PRESERVED)		
Benzene	92	ug/L
Ethylbenzene	52	ug/L
Toluene	549	ug/L
Xylenes, Total	1370	ug/L
SURR: a,a,a-TFT	112	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	58800	ug/L

306831 MW-5
Taken: 05/16/1996 09:40

EPA-8020 AQ (PRESERVED)		
Benzene	51	ug/L
Ethylbenzene	26	ug/L
Toluene	52	ug/L
Xylenes, Total	177	ug/L
SURR: a,a,a-TFT	122	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	1710	ug/L

306832 MW-6
Taken: 05/16/1996 11:00

EPA-8020 AQ (PRESERVED)		
Benzene	24	ug/L
Ethylbenzene	10	ug/L
Toluene	26	ug/L
Xylenes, Total	74	ug/L
SURR: a,a,a-TFT	103	% Rec
TPH California Method-Aqueous		
TPH as Gasoline	618	ug/L

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

05/29/1996
Job No.: 96.03974

Project Name: TWP-BELL LAKE

Date Received: 05/20/1996

306833 MW-8
Taken: 05/16/1996 14:35

EPA-8020 AQ (PRESERVED)			
Benzene	47		ug/L
Ethylbenzene	5		ug/L
Toluene	94		ug/L
Xylenes, Total	91		ug/L
SURR: a,a,a-TFT	115		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	1110		ug/L

306834 MW-9
Taken: 05/16/1996 13:55

EPA-8020 AQ (PRESERVED)			
Benzene	460		ug/L
Ethylbenzene	<200	EDL	ug/L
Toluene	450		ug/L
Xylenes, Total	1650		ug/L
SURR: a,a,a-TFT	122		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	42100		ug/L

306835 WATER WELL
Taken: 05/16/1996 15:30

EPA-8020 AQ (PRESERVED)			
Benzene	<2		ug/L
Ethylbenzene	<2		ug/L
Toluene	<2		ug/L
Xylenes, Total	<2		ug/L
SURR: a,a,a-TFT	103		% Rec
TPH California Method-Aqueous			
TPH as Gasoline	<50		ug/L

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

05/29/1996
Job No.: 96.03974

Project Name: TWP-BELL LAKE

Date Received: 05/20/1996

306836 MW-1
Taken: 05/16/1996 13:15

EPA-8020 AQ (PRESERVED)		
Benzene	15	ug/L
Ethylbenzene	33	ug/L
Toluene	9	ug/L
Xylenes, Total	47	ug/L
SURR: a,a,a-TFT	116	% Rec

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 96.03974

PARAMETER	ANALYST	DATE ANALYZED	METHOD	CCV RESULT	CCV TRUE CONCENTRATION	% REC.	FLAG
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bdb	05/24/1996	S-8020M	21	20	105	NA
Ethylbenzene	bdb	05/24/1996	S-8020M	24	20	120	NA
MTBE	bdb	05/24/1996	S-8020M	20	20	100	NA
Toluene	bdb	05/24/1996	S-8020M	22	20	110	NA
Xylenes, Total	bdb	05/24/1996	S-8020M	72	60	120	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bdb	05/26/1996	S-8020M	19	20	95	NA
Ethylbenzene	bdb	05/26/1996	S-8020M	22	20	110	NA
MTBE	bdb	05/26/1996	S-8020M	17	20	85	NA
Toluene	bdb	05/26/1996	S-8020M	21	20	105	NA
Xylenes, Total	bdb	05/26/1996	S-8020M	68	60	113	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bdb	05/28/1996	S-8020M	21	20	105	NA
Ethylbenzene	bdb	05/28/1996	S-8020M	24	20	120	NA
MTBE	bdb	05/28/1996	S-8020M	21	20	105	NA
Toluene	bdb	05/28/1996	S-8020M	22	20	110	NA
Xylenes, Total	bdb	05/28/1996	S-8020M	71	60	118	NA
EPA-8020 AQ (PRESERVED)			S-8020M				
Benzene	bdb	05/27/1996	S-8020M	19	20	95	NA
Ethylbenzene	bdb	05/27/1996	S-8020M	21	20	105	NA
MTBE	bdb	05/27/1996	S-8020M	20	20	100	NA

Method References and Codes

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SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 96.03974

PARAMETER	ANALYST	DATE ANALYZED	METHOD	CCV RESULT	CCV TRUE CONCENTRATION	% REC.	FLAG
Toluene	bdb	05/27/1996	S-8020M	20	20	100	NA
Xylenes, Total	bdb	05/27/1996	S-8020M	66	60	110	NA
TPH as Gasoline	bdb	05/26/1996	S-8015M	810	1000	81	NA
TPH as Gasoline	bdb	05/27/1996	S-8015M	1233	1000	123	NA

Method References and Codes

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S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

A: "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

NET®

QUALITY CONTROL REPORT
BLANKS

JOB NUMBER: 96.03974

PARAMETER	DATE ANALYZED	BLANK	UNITS	REPORTING LIMIT	FLAG
EPA-8020 AQ (PRESERVED)					
Benzene	05/24/1996	<2	ug/L	2	NA
Ethylbenzene	05/24/1996	<2	ug/L	2	NA
MTBE	05/24/1996	<2	ug/L	2	NA
Toluene	05/24/1996	<2	ug/L	2	NA
Xylenes, Total	05/24/1996	<2	ug/L	2	NA
EPA-8020 AQ (PRESERVED)					
Benzene	05/26/1996	<2	ug/L	2	NA
Ethylbenzene	05/26/1996	<2	ug/L	2	NA
MTBE	05/26/1996	<2	ug/L	2	NA
Toluene	05/26/1996	<2	ug/L	2	NA
Xylenes, Total	05/26/1996	<2	ug/L	2	NA
EPA-8020 AQ (PRESERVED)					
Benzene	05/28/1996	<2	ug/L	2	NA
Ethylbenzene	05/28/1996	<2	ug/L	2	NA
MTBE	05/28/1996	<2	ug/L	2	NA
Toluene	05/28/1996	<2	ug/L	2	NA
Xylenes, Total	05/28/1996	<2	ug/L	2	NA
EPA-8020 AQ (PRESERVED)					
Benzene	05/27/1996	<2	ug/L	2	NA
Ethylbenzene	05/27/1996	<2	ug/L	2	NA
MTBE	05/27/1996	<2	ug/L	2	NA
Toluene	05/27/1996	<2	ug/L	2	NA
Xylenes, Total	05/27/1996	<2	ug/L	2	NA
TPH California Method-Aqueous					
TPH as Gasoline	05/26/1996	<50	ug/L	50	NA
TPH as Gasoline	05/27/1996	<50	ug/L	50	NA

Advisory Control Limits for Blanks

Metals/Wet Chemistry/Conventionals/GC - All compounds should be less than the Reporting Limit.

GC/MS Semi-Volatiles - All compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the Reporting Limit.

GC/MS Volatiles - Toluene, Methylene chloride, Acetone and Chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.

NET®

QUALITY CONTROL REPORT
Laboratory Control Sample
(LCS)

JOB NUMBER: 96.03974

PARAMETER	LCS RESULT	TRUE CONC.	LCS % REC.	FLAG
EPA-8020 AQ (PRESERVED)				
Benzene	13	20	65	
Ethylbenzene	14	20	70	
MTBE	20	20	100	
Toluene	13	20	65	
Xylenes, Total	31	40	78	
TPH as Gasoline	446	1000	45	

Advisory Control Limits for LCS

Inorganic Parameters - The LCS recovery should be 80-120%.

NET®

QUALITY CONTROL REPORT
Matrix Spike / Matrix Spike Duplicate
(MS / MSD)

JOB NUMBER: 96.03974

PARAMETER	SAMPLE RESULT	MS RESULT	MSD RESULT	SPIKE AMOUNT	MS % REC.	MSD % REC.	MS/MSD RPD	FLAG
EPA-8020 AQ (PRESERVED)								
Benzene	5	24	27	20	95	110	15	
Ethylbenzene	<2	21	23	20	105	115	9.1	
Toluene	<2	19	22	20	95	110	15	
Xylenes, Total	<2	44	48	40	110	120	8.7	
MTBE	75	86	82	20	55	35	44	MI
TPH as Gasoline	<50	570	560	1000	57	56	1.8	

MI - MS/MSD outside limits - matrix interference suspected, refer to LCS.

Advisory Control Limits for MS/MSDs

Inorganic Parameters - The spike recovery should be 75-125% if the spike amount value is greater than or equal to one fourth of the sample result value. The RPD for the MS/MSD should be less than 20.

NOTE: Matrix Spike Samples may not be samples from this job.

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Attachment #3

Laboratory Reports for the August 1996 Ground Water Sampling Event

NATIONAL ENVIRONMENTAL TESTING, INC.

Austin Division
2621 Ridgepoint Drive
Suite 130
Austin, TX 78754
Tel: (512) 928-8905
Fax: (512) 928-3208

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464

Project Description:
Job Description: TWP Bell Lake

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to NET, Inc. - Dallas Division for analysis:

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
316659	MW-8	08/14/1996	10:35	08/15/1996
316660	MW-5	08/14/1996	11:00	08/15/1996
316661	MW-6	08/14/1996	11:30	08/15/1996
316662	MW-9	08/14/1996	12:30	08/15/1996
316663	Water Well	08/14/1996	12:43	08/15/1996

This 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.

Debby Skogen

Debby Skogen
Project Coordinator

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464
Sample Number: 316659

Project Description:
Job Description: TWP Bell Lake

Sample Description: MW-8

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		54	ug/L	S-8020M		08/25/1996	cjp		2589	10
Ethylbenzene	EDL	<20	ug/L	S-8020M		08/25/1996	cjp		2589	20
Toluene		110	ug/L	S-8020M		08/25/1996	cjp		2589	20
Xylenes, Total		93	ug/L	S-8020M		08/25/1996	cjp		2589	60
SURR: a,a,a-TFT		88	% Rec	S-8020M		08/25/1996	cjp		2589	60-125
TPH California Method-Aqueous										
TPH as Gasoline		45500	ug/L	S-8015M		08/27/1996	bdb		127	50

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464
Sample Number: 316660

Project Description:
Job Description: TWP Bell Lake

Sample Description: MW-5

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		48	ug/L	S-8020M		08/25/1996	cjp		2589	2
Ethylbenzene		21	ug/L	S-8020M		08/25/1996	cjp		2589	2
Toluene		33	ug/L	S-8020M		08/25/1996	cjp		2589	2
Xylenes, Total		150	ug/L	S-8020M		08/25/1996	cjp		2589	3
SURR: a,a,a-TFT		91	% Rec	S-8020M		08/25/1996	cjp		2589	60-125
TPH California Method-Aqueous										
TPH as Gasoline		28900	ug/L	S-8015M		08/28/1996	bdb		127	50

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464
Sample Number: 316661

Project Description:
Job Description: TWP Bell Lake

Sample Description: MW-6

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		24	ug/L	S-8020M		08/25/1996	cjp		2589	10
Ethylbenzene	EDL	<20	ug/L	S-8020M		08/25/1996	cjp		2589	20
Toluene		23	ug/L	S-8020M		08/25/1996	cjp		2589	20
Xylenes, Total		80	ug/L	S-8020M		08/25/1996	cjp		2589	60
SURR: a,a,a-TFT		98	% Rec	S-8020M		08/25/1996	cjp		2589	60-125
TPH California Method-Aqueous										
TPH as Gasoline		27100	ug/L	S-8015M		08/28/1996	bdb		127	50

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464
Sample Number: 316662

Project Description:
Job Description: TWP Bell Lake

Sample Description: MW-9

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		250	ug/L	S-8020M		08/25/1996	cjp		2589	25
Ethylbenzene	EDL	<50	ug/L	S-8020M		08/25/1996	cjp		2589	50
Toluene		340	ug/L	S-8020M		08/25/1996	cjp		2589	50
Xylenes, Total		800	ug/L	S-8020M		08/25/1996	cjp		2589	150
SURR: a,a,a-TFT		88	% Rec	S-8020M		08/25/1996	cjp		2589	60-125
TPH California Method-Aqueous										
TPH as Gasoline		46200	ug/L	S-8015M		08/27/1996	bdb		127	50

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464
Sample Number: 316663

Project Description:
Job Description: TWP Bell Lake

Sample Description: Water Well

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		08/25/1996	cjp		2589	2
Ethylbenzene		<2	ug/L	S-8020M		08/25/1996	cjp		2589	2
Toluene		<2	ug/L	S-8020M		08/25/1996	cjp		2589	2
Xylenes, Total		<3	ug/L	S-8020M		08/25/1996	cjp		2589	3
SURR: a,a,a-TFT		99	% Rec	S-8020M		08/25/1996	cjp		2589	60-125

QUALITY CONTROL REPORT
BLANKS

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464

Project Description:
Job Description: TWP Bell Lake

Parameter	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch Number	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	08/25/1996		2589
Ethylbenzene		<2	ug/L	2	08/25/1996		2589
Toluene		<2	ug/L	2	08/25/1996		2589
Xylenes, Total		<3	ug/L	3	08/25/1996		2589
TPH California Method-Aqueous							
TPH as Gasoline		<50	ug/L	50	08/27/1996		127
TPH as Gasoline		<50	ug/L	50	08/28/1996		127

All parameters should be less than the reporting limit.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464

Project Description:
Job Description: TWP Bell Lake

Parameter	Flag	CCVS True Concentration	Units	CCVS Concentration Found	CCVS Percent Recovery	Date Analyzed	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		20.0	ug/L	19.5	97.5	08/25/1996	2589
Ethylbenzene		20.0	ug/L	21.0	105.0	08/25/1996	2589
Toluene		20.0	ug/L	20.2	101.0	08/25/1996	2589
Xylenes, Total		60.0	ug/L	63.2	105.3	08/25/1996	2589
TPH California Method-Aqueous							
TPH as Gasoline		1000	ug/L	874	87.4	08/27/1996	127
TPH as Gasoline		1000	ug/L	1040	104.0	08/28/1996	127

CCVS - Continuing Calibration Verification Standard

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464

Project Description:
Job Description: TWP Bell Lake

Parameter	Flag	Units	Sample Result	Spike Amount Added	Matrix Spike Result	MS Percent Recovery	Duplicate Spike Amount Added	MSD Result	MSD Percent Recovery	MS/MSD RPD	Date Analyzed	Prep Batch Number	Run Batch Number
TPH California Method-Aqueous													
TPH as Gasoline		ug/L	28900	50000	55000	52.2	50000	56000	54.2	3.8	08/28/1996		127

NOTE: The Quality Control data in this report reflects the batch in which your sample was prepped and/or analyzed. The sample selected for QA may not necessarily be your sample.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

09/13/1996

NET Job Number: 96.06464

Project Description:
Job Description: TWP Bell Lake

Analyte	Prep Batch No.	Run Batch No.	LCS True Conc	Units	LCS Conc Found	LCS % Rec.	LCS Dup Conc. Found	LCS Dup % Rec	LCS % RPD	Flag	Date Analyzed
EPA-8020 AQ (PRESERVED)											
Benzene		2589	20.0	ug/L	19.5	97.5	21.1	105.5	7.8		08/25/1996
Ethylbenzene		2589	20.0	ug/L	21.0	105.0	21.1	105.5	0.5		08/25/1996
Toluene		2589	20.0	ug/L	20.2	101.0	20.8	104.0	2.9		08/25/1996
Xylenes, Total		2589	60.0	ug/L	63.2	105.3	63.2	105.3	0.0		08/25/1996
TPH California Method-Aqueous											
TPH as Gasoline		127	1000	ug/L	826	82.6					08/27/1996

LCS - Laboratory Control Standard

For samples with insufficient sample volume, an LCS/LCS duplicate is reported instead of an MS/MSD.

NATIONAL ENVIRONMENTAL TESTING, INC.

Austin Division
2621 Ridgepoint Drive
Suite 130
Austin, TX 78754
Tel: (512) 928-8905
Fax: (512) 928-3208

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467

Project Description: TWP Bell Lake

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to NET, Inc. - Dallas Division for analysis:

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
316669	MW-7	08/14/1996	08:35	08/15/1996
316670	MW-4	08/14/1996	09:30	08/15/1996
316671	MW-1	08/14/1996	09:55	08/15/1996
316672	MW-3	08/13/1996	15:20	08/15/1996
316673	MW-2	08/13/1996	15:40	08/15/1996

This 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.

Debby Skogen

Debby Skogen
Project Coordinator

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467
Sample Number: 316669

Project Description: TWP Bell Lake

Sample Description: MW-7

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		11	ug/L	S-8020M		08/27/1996	bdb		2586	2
Ethylbenzene		<2	ug/L	S-8020M		08/27/1996	bdb		2586	2
Toluene		<2	ug/L	S-8020M		08/27/1996	bdb		2586	2
Xylenes, Total		<2	ug/L	S-8020M		08/27/1996	bdb		2586	2
SURR: a,a,a-TFT		103	% Rec	S-8020M		08/27/1996	bdb		2586	60-125
TPH California Method-Aqueous										
TPH as Gasoline		<50	ug/L	S-8015M		08/27/1996	bdb		127	50

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467
Sample Number: 316670

Project Description: TWP Bell Lake

Sample Description: MW-4

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		333	ug/L	S-8020M		08/27/1996	bdb		2586	200
Ethylbenzene	EDL	<200	ug/L	S-8020M		08/27/1996	bdb		2586	200
Toluene		992	ug/L	S-8020M		08/27/1996	bdb		2586	200
Xylenes, Total		2630	ug/L	S-8020M		08/27/1996	bdb		2586	200
SURR: a,a,a-TFT		97	% Rec	S-8020M		08/27/1996	bdb		2586	60-125
TPH California Method-Aqueous										
TPH as Gasoline		80200	ug/L	S-8015M		08/27/1996	bdb		127	50

EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467
Sample Number: 316671

Project Description: TWP Bell Lake

Sample Description: MW-1

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		11	ug/L	S-8020M		08/27/1996	bdb		2586	2
Ethylbenzene		23	ug/L	S-8020M		08/27/1996	bdb		2586	2
Toluene		5	ug/L	S-8020M		08/27/1996	bdb		2586	2
Xylenes, Total		30	ug/L	S-8020M		08/27/1996	bdb		2586	2
SURR: a,a,a-TFT		98	% Rec	S-8020M		08/27/1996	bdb		2586	60-125
TPH California Method-Aqueous										
TPH as Gasoline		744	ug/L	S-8015M		08/27/1996	bdb		127	50

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467
Sample Number: 316672

Project Description: TWP Bell Lake

Sample Description: MW-3

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		08/25/1996	cjp		2587	2
Ethylbenzene		<2	ug/L	S-8020M		08/25/1996	cjp		2587	2
Toluene		<2	ug/L	S-8020M		08/25/1996	cjp		2587	2
Xylenes, Total		<3	ug/L	S-8020M		08/25/1996	cjp		2587	3
SURR: a,a,a-TFT		99	% Rec	S-8020M		08/25/1996	cjp		2587	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467
Sample Number: 316673

Project Description: TWP Bell Lake

Sample Description: MW-2

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		08/26/1996	mjn		2588	2
Ethylbenzene		<2	ug/L	S-8020M		08/26/1996	mjn		2588	2
Toluene		<2	ug/L	S-8020M		08/26/1996	mjn		2588	2
Xylenes, Total		<3	ug/L	S-8020M		08/26/1996	mjn		2588	3
SURR: a,a,a-TPT		89	% Rec	S-8020M		08/26/1996	mjn		2588	60-125

QUALITY CONTROL REPORT
BLANKS

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467

Project Description: TWP Bell Lake

Parameter	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch Number	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	08/27/1996		2586
Ethylbenzene		<2	ug/L	2	08/27/1996		2586
Toluene		<2	ug/L	2	08/27/1996		2586
Xylenes, Total		<2	ug/L	2	08/27/1996		2586
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	08/25/1996		2587
Ethylbenzene		<2	ug/L	2	08/25/1996		2587
Toluene		<2	ug/L	2	08/25/1996		2587
Xylenes, Total		<3	ug/L	3	08/25/1996		2587
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	08/26/1996		2588
Ethylbenzene		<2	ug/L	2	08/26/1996		2588
Toluene		<2	ug/L	2	08/26/1996		2588
Xylenes, Total		<3	ug/L	3	08/26/1996		2588
TPH California Method-Aqueous							
TPH as Gasoline		<50	ug/L	50	08/27/1996		127
TPH as Gasoline		<50	ug/L	50	08/28/1996		127

All parameters should be less than the reporting limit.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467

Project Description: TWP Bell Lake

Parameter	Flag	CCVS True Concentration	Units	CCVS Concentration Found	CCVS Percent Recovery	Date Analyzed	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	20	100.0	08/27/1996	2586
Ethylbenzene		20	ug/L	20	100.0	08/27/1996	2586
Toluene		20	ug/L	19	95.0	08/27/1996	2586
Xylenes, Total		60	ug/L	60	100.0	08/27/1996	2586
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	19.7	98.5	08/25/1996	2587
Ethylbenzene		20	ug/L	20.9	104.5	08/25/1996	2587
Toluene		20	ug/L	20.2	101.0	08/25/1996	2587
Xylenes, Total		60	ug/L	62.9	104.8	08/25/1996	2587
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	20.6	103.0	08/26/1996	2588
Ethylbenzene		20	ug/L	21.1	105.5	08/26/1996	2588
Toluene		20	ug/L	20.7	103.5	08/26/1996	2588
Xylenes, Total		60	ug/L	63.4	105.7	08/26/1996	2588
TPH California Method-Aqueous							
TPH as Gasoline		1000	ug/L	874	87.4	08/27/1996	127
TPH as Gasoline		1000	ug/L	1040	104.0	08/28/1996	127

CCVS - Continuing Calibration Verification Standard

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467

Project Description: TWP Bell Lake

Parameter	Flag	Units	Sample Result	Spike Amount Added	Matrix Spike Result	MS Percent Recovery	Duplicate Spike Amount Added	MSD Result	MSD Percent Recovery	MS/MSD RPD	Date Analyzed	Prep Batch Number	Run Batch Number
EPA-8020 AQ (PRESERVED)													
Benzene		ug/L	<2	20	20	100.0	20	21	105.0	4.9	08/27/1996		2586
Ethylbenzene		ug/L	<2	20	21	105.0	20	23	115.0	9.1	08/27/1996		2586
Toluene		ug/L	<2	20	19	95.0	20	21	105.0	9.9	08/27/1996		2586
Xylenes, Total		ug/L	<2	40	42	105.0	40	47	117.5	11.2	08/27/1996		2586
TPH California Method-Aqueous													
TPH as Gasoline		ug/L	28900	50000	55000	52.2	50000	56000	54.2	3.8	08/28/1996		127

NOTE: The Quality Control data in this report reflects the batch in which your sample was prepped and/or analyzed. The sample selected for QA may not necessarily be your sample.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

08/28/1996

NET Job Number: 96.06467

Project Description: TWP Bell Lake

Analyte	Prep Batch No.	Run Batch No.	LCS True Conc	Units	LCS Conc Found	LCS % Rec.	LCS Dup Conc. Found	LCS Dup % Rec	LCS % RPD	Flag	Date Analyzed
EPA-8020 AQ (PRESERVED)											
Benzene		2586	20	ug/L	19	95.0					08/27/1996
Ethylbenzene		2586	20	ug/L	20	100.0					08/27/1996
Toluene		2586	20	ug/L	19	95.0					08/27/1996
Xylenes, Total		2586	40	ug/L	41	102.5					08/27/1996
EPA-8020 AQ (PRESERVED)											
Benzene		2587	20.0	ug/L	19.7	98.5	20.1	100.5	1.9		08/25/1996
Ethylbenzene		2587	20.0	ug/L	20.9	104.5	21.3	106.5	1.9		08/25/1996
Toluene		2587	20.0	ug/L	20.2	101.0	20.6	103.0	2.0		08/25/1996
Xylenes, Total		2587	60.0	ug/L	62.9	104.8	63.6	106.0	1.1		08/25/1996
EPA-8020 AQ (PRESERVED)											
Benzene		2588	20.0	ug/L	20.6	103.0	21.1	105.5	2.4		08/26/1996
Ethylbenzene		2588	20.0	ug/L	21.1	105.5	21.5	107.5	1.9		08/26/1996
Toluene		2588	20.0	ug/L	20.7	103.5	21.1	105.5	1.9		08/26/1996
Xylenes, Total		2588	60.0	ug/L	63.4	105.7	64.9	108.2	2.3		08/26/1996
TPH California Method-Aqueous											
TPH as Gasoline		127	1000	ug/L	826	82.6					08/27/1996

LCS - Laboratory Control Standard

For samples with insufficient sample volume, an LCS/LCS duplicate is reported instead of an MS/MSD.

Annual Report of Ground Water Remediation Activities

Transwestern Pipeline Company
Bell Lake Plant

Attachment #4

Laboratory Reports for the November 1996 Ground Water Sampling Event

EPIC LABORATORIES, INC.

ANALYTICAL AND QUALITY CONTROL REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416

Project Description:
Job Description: TWP/Bell Lakes

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to EPIC Laboratories, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Time Taken	Date Received
323094	MW-1	11/14/1996	10:25	11/16/1996
323095	MW-2	11/14/1996	10:05	11/16/1996
323096	MW-3	11/14/1996	08:50	11/16/1996
323097	MW-4	11/14/1996	10:45	11/16/1996
323098	MW-5	11/14/1996	13:05	11/16/1996
323099	MW-6	11/14/1996	13:25	11/16/1996
323100	MW-7	11/14/1996	08:30	11/16/1996
323101	MW-8	11/14/1996	12:45	11/16/1996
323102	MW-9	11/14/1996	12:15	11/16/1996
323103	Water Well	11/14/1996	14:00	11/16/1996
323104	SVE Tank	11/14/1996		11/16/1996

This 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.

Debby Skogen
Debby Skogen
Project Coordinator

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

EPIC LABORATORIES, INC.

ENRON CORPORATION

TWP - Bell Lakes

EPIC Job 96.08416

Data Summary

Based upon review of the historical data base, reruns were scheduled for MW-6 (EPIC Sample 323099) and MW-8 (EPIC Sample 323101).

The original vial for both samples had been run several times and EPIC laboratories is very confident with the original data reported. The data was consistent on all dilutions performed.

However, there were descrepancies between the two vials submitted for MW-6 and MW-8. The data from the second vial did not confirm the original runs.

The data obtained from the second vials on 12/02/1996 is listed below.

	MW-6 (323099)	MW-8 (323101)
Benzene	38 ug/L	110 ug/L
Ethylbenzene	11 ug/L	11 ug/L
Toluene	31 ug/L	230 ug/L
Xylenes, Total	43 ug/L	160 ug/L

1548 Valwood Parkway, Suite 118, Carrollton, Texas 75006 (972) 406-8100 Fax: (972) 484-2969
2621 Ridgepoint Drive, Suite 135, Austin, Texas 78754 (512) 928-8905 Fax: (512) 928-3208
13802 Placid Brook Court, Houston, Texas 77059 (281) 286-1400 Fax: (281) 256-2424

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323094

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-1

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		2.4	ug/L	S-8020M		11/24/1996	dtw		2647	2
Ethylbenzene		13	ug/L	S-8020M		11/24/1996	dtw		2647	2
Toluene		4.9	ug/L	S-8020M		11/24/1996	dtw		2647	2
Xylenes, Total		9.0	ug/L	S-8020M		11/24/1996	dtw		2647	2
SURR: a,a,a-TFT	SU	128	% Rec	S-8020M		11/24/1996	dtw		2647	60-125

SU - Surrogate outside limits due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323095

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-2

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		11/24/1996	dtw		2647	2
Ethylbenzene		<2	ug/L	S-8020M		11/24/1996	dtw		2647	2
Toluene		<2	ug/L	S-8020M		11/24/1996	dtw		2647	2
Xylenes, Total		<2	ug/L	S-8020M		11/24/1996	dtw		2647	2
SURR: a,a,a-TFT		122	% Rec	S-8020M		11/24/1996	dtw		2647	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323096

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-3

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Ethylbenzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Toluene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Xylenes, Total		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
SURR: a,a,a-TFT		119	% Rec	S-8020M		11/25/1996	zst		2648	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323097

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-4

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		260	ug/L	S-8020M		11/26/1996	zst		2649	10
Ethylbenzene		55	ug/L	S-8020M		11/26/1996	zst		2649	10
Toluene	OCR	1010	ug/L	S-8020M		11/26/1996	zst		2649	10
Xylenes, Total		1200	ug/L	S-8020M		11/26/1996	zst		2649	10
SURR: a,a,a-TFT		68	ug/L	S-8020M		11/26/1996	zst		2649	60-125

OCR - Out of calibration range, estimated value. The sample was rerun on 12/03/1996 and a value within the linear range of 940 ug/L was obtained.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323098

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-5

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		67	ug/L	S-8020M		11/26/1996	zst		2649	2
Ethylbenzene		32	ug/L	S-8020M		11/26/1996	zst		2649	2
Toluene		56	ug/L	S-8020M		11/26/1996	zst		2649	2
Xylenes, Total		270	ug/L	S-8020M		11/26/1996	zst		2649	2
SURR: a,a,a-TFT	SU	128	% Rec	S-8020M		11/26/1996	zst		2649	60-125

SU - Surrogate outside limits due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323099

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-6

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		140	ug/L	S-8020M		11/26/1996	zst		2649	10
Ethylbenzene		750	ug/L	S-8020M		11/26/1996	zst		2649	10
Toluene		160	ug/L	S-8020M		11/26/1996	zst		2649	10
Xylenes, Total		400	ug/L	S-8020M		11/26/1996	zst		2649	10
SURR: a,a,a-TFT		122	% Rec	S-8020M		11/26/1996	zst		2649	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323100

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-7

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Ethylbenzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Toluene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Xylenes, Total		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
SURR: a,a,a-TFT		115	% Rec	S-8020M		11/25/1996	zst		2648	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323101

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-8

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		310	ug/L	S-8020M		11/26/1996	zst		2649	5
Ethylbenzene		25	ug/L	S-8020M		11/26/1996	zst		2649	5
Toluene		510	ug/L	S-8020M		11/26/1996	zst		2649	5
Xylenes, Total		500	ug/L	S-8020M		11/26/1996	zst		2649	5
SURR: a,a,a-TFT	SU	128	% Rec	S-8020M		11/26/1996	zst		2649	60-125

SU - Surrogate outside limits due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323102

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: MW-9

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		240	ug/L	S-8020M		11/26/1996	zst		2649	10
Ethylbenzene		28	ug/L	S-8020M		11/26/1996	zst		2649	10
Toluene		410	ug/L	S-8020M		11/26/1996	zst		2649	10
Xylenes, Total		780	ug/L	S-8020M		11/26/1996	zst		2649	10
SURR: a,a,a-TFT	SU	151	ug/L	S-8020M		11/26/1996	zst		2649	60-125

SU - Surrogate outside limits due to matrix interference.

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323103

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: Water Well

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Ethylbenzene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Toluene		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
Xylenes, Total		<2	ug/L	S-8020M		11/25/1996	zst		2648	2
SURR: a,a,a-TFT		123	% Rec	S-8020M		11/25/1996	zst		2648	60-125

ANALYTICAL RESULTS REPORT

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416
Sample Number: 323104

Project Description:
Job Description: TWP/Bell Lakes

Sample Description: SVE Tank

Parameter	Flag	Result	Units	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch Number	Run Batch Number	Reporting Limit
EPA-8020 AQ (PRESERVED)										
Benzene		6.2	ug/L	S-8020M		11/25/1996	zst		2648	2
Ethylbenzene		45	ug/L	S-8020M		11/25/1996	zst		2648	2
Toluene		150	ug/L	S-8020M		11/25/1996	zst		2648	2
Xylenes, Total		140	ug/L	S-8020M		11/25/1996	zst		2648	2
SURR: a,a,a-TFT		114	% Rec	S-8020M		11/25/1996	zst		2648	60-125

QUALITY CONTROL REPORT
BLANKS

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416

Project Description:
Job Description: TWP/Bell Lakes

Parameter	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch Number	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	11/24/1996		2647
Ethylbenzene		<2	ug/L	2	11/24/1996		2647
Toluene		<2	ug/L	2	11/24/1996		2647
Xylenes, Total		<2	ug/L	2	11/24/1996		2647
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	11/25/1996		2648
Ethylbenzene		<2	ug/L	2	11/25/1996		2648
Toluene		<2	ug/L	2	11/25/1996		2648
Xylenes, Total		<2	ug/L	2	11/25/1996		2648
EPA-8020 AQ (PRESERVED)							
Benzene		<2	ug/L	2	11/26/1996		2649
Ethylbenzene		<2	ug/L	2	11/26/1996		2649
Toluene		<2	ug/L	2	11/26/1996		2649
Xylenes, Total		<2	ug/L	2	11/26/1996		2649

All parameters should be less than the reporting limit.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416

Project Description:
Job Description: TWP/Bell Lakes

Parameter	Flag	CCVS True Concentration	Units	CCVS Concentration Found	CCVS Percent Recovery	Date Analyzed	Run Batch Number
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	19	95.0	11/24/1996	2647
Ethylbenzene		20	ug/L	19	95.0	11/24/1996	2647
Toluene		20	ug/L	19	95.0	11/24/1996	2647
Xylenes, Total		60	ug/L	58	96.7	11/24/1996	2647
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	24	120.0	11/25/1996	2648
Ethylbenzene		20	ug/L	25	125.0	11/25/1996	2648
Toluene		20	ug/L	24	120.0	11/25/1996	2648
Xylenes, Total		60	ug/L	48	80.0	11/25/1996	2648
EPA-8020 AQ (PRESERVED)							
Benzene		20	ug/L	18	90.0	11/26/1996	2649
Ethylbenzene		20	ug/L	20	100.0	11/26/1996	2649
Toluene		20	ug/L	20	100.0	11/26/1996	2649
Xylenes, Total		60	ug/L	58	96.7	11/26/1996	2649

CCVS - Continuing Calibration Verification Standard

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416

Project Description:
Job Description: TWP/Bell Lakes

Parameter	Flag	Units	Sample Result	Spike Amount Added	Matrix Spike Result	MS Percent Recovery	Duplicate Spike Amount Added	MSD Result	MSD Percent Recovery	MS/MSD RPD	Date Analyzed	Prep Batch Number	Run Batch Number
EPA-8020 AQ (PRESERVED)													
Benzene		ug/L	<2	20	23	115.0	20	22	110.0	4.4	11/24/1996		2647
Ethylbenzene		ug/L	<2	20	22	110.0	20	21	105.0	4.7	11/24/1996		2647
Toluene		ug/L	<2	20	22	110.0	20	22	110.0	0.0	11/24/1996		2647
Xylenes, Total		ug/L	<2	40	41	102.5	40	42	105.0	2.4	11/24/1996		2647
EPA-8020 AQ (PRESERVED)													
Benzene		ug/L	<2	20	25	125.0	20	22	110.0	12.8	11/25/1996		2648
Ethylbenzene		ug/L	<2	20	22	110.0	20	21	105.0	4.7	11/25/1996		2648
Toluene		ug/L	<2	20	23	115.0	20	21	105.0	9.1	11/25/1996		2648
Xylenes, Total		ug/L	<2	40	34	85.0	40	31	77.5	9.2	11/25/1996		2648
EPA-8020 AQ (PRESERVED)													
Benzene		ug/L	<2	20	19	95.0					11/26/1996		2649
Ethylbenzene		ug/L	<2	20	18	90.0					11/26/1996		2649
Toluene		ug/L	<2	20	20	100.0					11/26/1996		2649
Xylenes, Total		ug/L	<2	40	37	92.5					11/26/1996		2649

NOTE: The Quality Control data in this report reflects the batch in which your sample was prepped and/or analyzed. The sample selected for QA may not necessarily be your sample.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

George Robinson
ENRON CORPORATION
Env. Affairs, Rm 3 AC 3142
P.O. Box 1188
Houston, TX 77251

12/05/1996

EPIC Job Number: 96.08416

Project Description:
Job Description: TWP/Bell Lakes

Analyte	Prep Batch No.	Run Batch No.	LCS True Conc	Units	LCS Conc Found	LCS % Rec.	LCS Dup Conc. Found	LCS Dup % Rec	LCS % RPD	Flag	Date Analyzed
EPA-8020 AQ (PRESERVED)											
Benzene		2647	20	ug/L	22	110.0					11/24/1996
Ethylbenzene		2647	20	ug/L	22	110.0					11/24/1996
Toluene		2647	20	ug/L	22	110.0					11/24/1996
Xylenes, Total		2647	40	ug/L	42	105.0					11/24/1996
EPA-8020 AQ (PRESERVED)											
Benzene		2648	20	ug/L	28	140.0					11/25/1996
Ethylbenzene		2648	20	ug/L	29	145.0					11/25/1996
Toluene		2648	20	ug/L	29	145.0					11/25/1996
Xylenes, Total		2648	40	ug/L	43	107.5					11/25/1996
EPA-8020 AQ (PRESERVED)											
Benzene		2649	20	ug/L	18	90.0	22	110.0	19.9		11/26/1996
Ethylbenzene		2649	20	ug/L	19	95.0	20	100.0	5.0		11/26/1996
Toluene		2649	20	ug/L	19	95.0	21	105.0	9.9		11/26/1996
Xylenes, Total		2649	40	ug/L	38	95.0	39	97.5	2.6		11/26/1996

LCS - Laboratory Control Standard

For samples with insufficient sample volume, an LCS/LCS duplicate is reported instead of an MS/MSD.