8/31/00 MTBE conc. are decreasing in MW-2 and maybe in MW-6. Most dg well still ND for MTBE + BTEX.

GETTLER-RYAN INC.

TRANSMITTAL

July 26, 2000
G-R #: 180203

TO: Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

CC: Mr. Glen Matteucci
ERI, Inc.
73 Digital Drive, Suite 100
Novato, California 94949

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Tosco 76 SS #0843
1629 Webster Street
Alameda, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 20, 2000	Groundwater Monitoring and Sampling Report Second Quarter 2000 - Event of May 31, 2000

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***August 7, 2000***, this report will be distributed to the following:

Enclosure

cc: Mr. Evit Chu, Alameda County Dept., of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502

trans/0843.dbd

QUARTERLY SUMMARY REPORT
Second Quarter 2000
(April - June)

TOSCO SERVICE STATION 0843
1629 Webster Street
Alameda, California

City/County ID: City of Alameda/Alameda County

Lead Agency: Alameda County Department of Environmental Health Services

BACKGROUND

In 1998, Tosco Marketing Company (Tosco) removed two 10,000-gallon gasoline underground storage tanks (USTs), one 550-gallon used-oil UST, associated piping and dispensers, and excavated approximately 338 tons of soil and backfill. Laboratory analyses of samples collected during the work detected petroleum hydrocarbons and related constituents in soil and groundwater beneath the site.

During first quarter 1999, at the request of Tosco, ERI performed a soil and groundwater investigation including the installation of four groundwater monitoring wells. Concentrations of residual benzene (0.0295 ppm) and MTBE (0.561 ppm) were detected in the soil samples collected from boring MW2. Concentrations of dissolved TPPHg (up to 34,400 ppb), benzene (at 2,070 ppb), and MTBE (up to 8,460 ppb) were detected in groundwater samples collected in well MW1 through MW4.

During fourth quarter 1999, ERI installed two off-site groundwater monitoring wells downgradient of the site. Concentrations of dissolved MTBE were detected the newly installed off-site wells MW5 and MW6 at 3.8 ppb and 18,000 ppb, respectively.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting.

NEXT QUARTER ACTIVITIES

Continue quarterly groundwater monitoring, sampling, and reporting.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated?	Yes
Dissolved groundwater delineated?	No
Free Product delineated?	NA
Amount of gw contaminant recovered?	NA
Amount of soil contamination recovered?	338 tons
Soil remediation in progress?	No
Dissolved/free product remediation in progress?	No

CONSULTANT: Environmental Resolutions, Inc.

224800.2QS

GETTLER-RYAN INC.

July 20, 2000
G-R Job #180203

Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RE: Second Quarter 2000 Groundwater Monitoring & Sampling Report
Former Tosco 76 Service Station #0843
1629 Webster Street
Alameda, California

Dear Mr. De Witt:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On May 31, 2000, field personnel monitored and sampled six wells (MW-1 through MW-6) at the above referenced site.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports is also attached.

Sincerely,

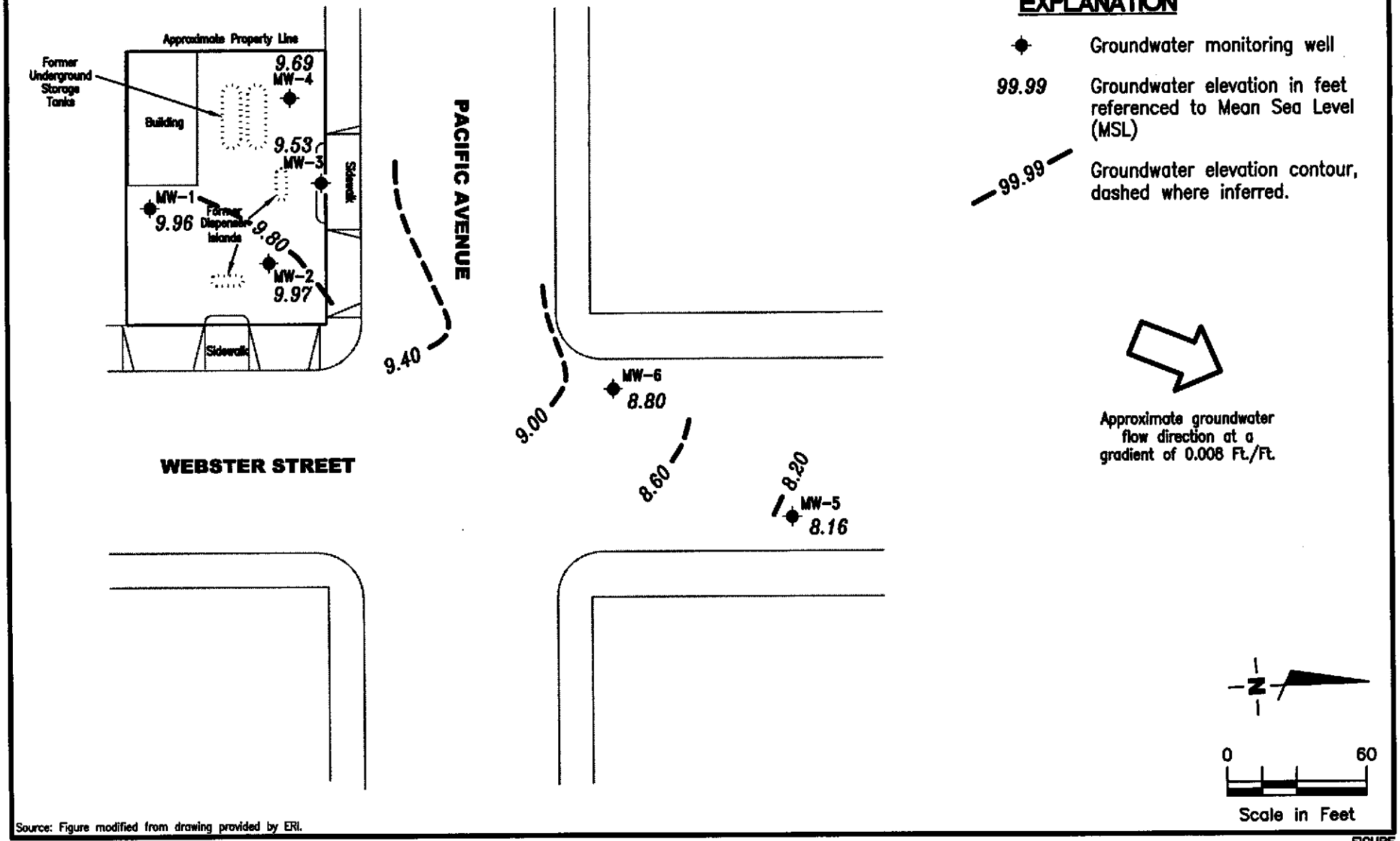
Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, R.G. No. 6882

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

0843.qml



Source: Figure modified from drawing provided by ERI.

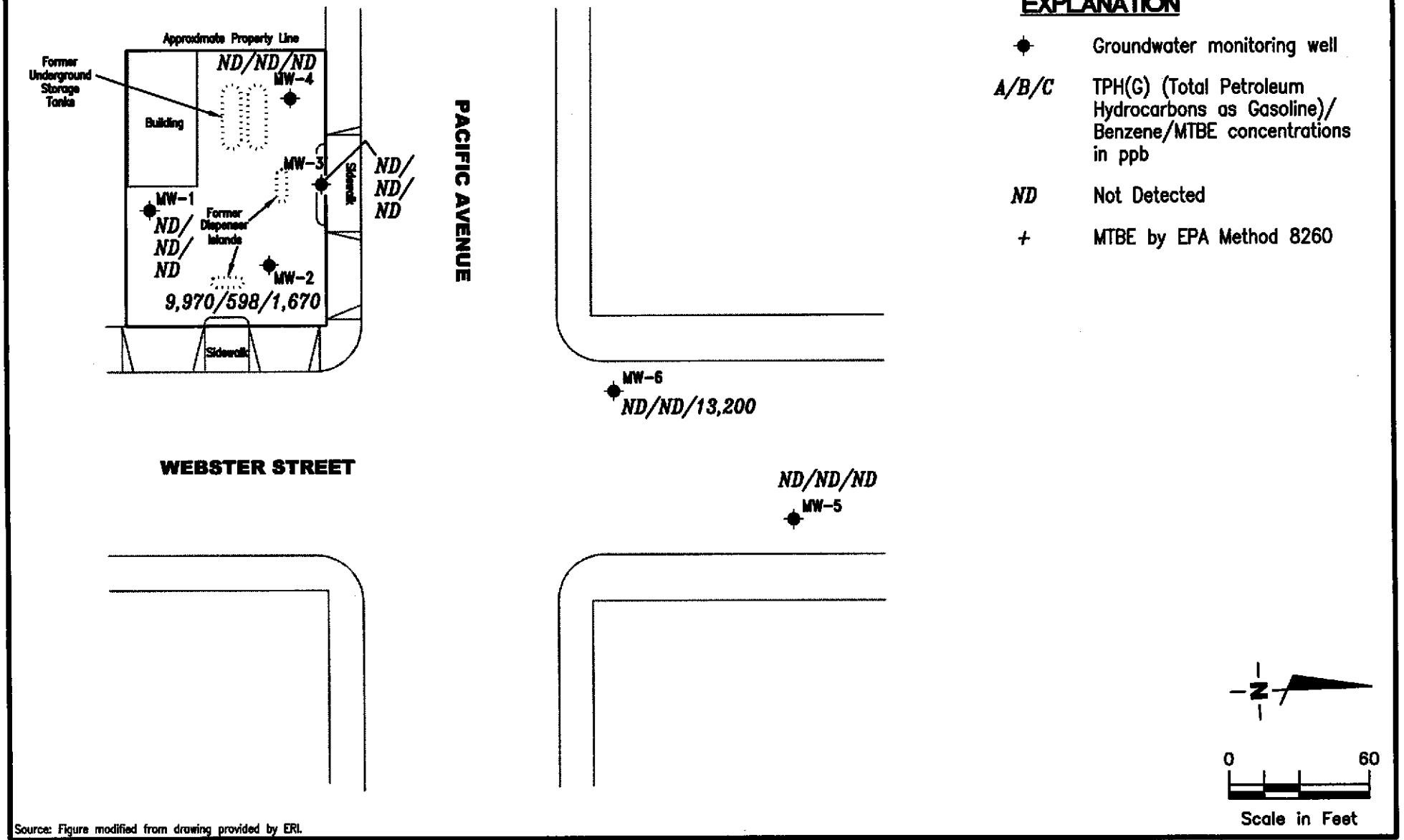
Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Tosco 76 Service Station #0843
1629 Webster Street
Alameda, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		May 31, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\Q00-0843.DWG | Layout Tab: pot2



Source: Figure modified from drawing provided by ERI.

Gettler - Ryan Inc.

6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Former Tosco 76 Service Station #0843
1629 Webster Street
Alameda, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		May 31, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\Q00-0843.DWG | Layout Tab: con2

Table 1

Groundwater Monitoring Data and Analytical Results

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
16.18	03/05/99[1]	--	--	86.6[3]	ND	2.04	ND	4.06	23.9[2]
	06/03/99	6.24	9.94	ND	ND	ND	ND	ND	ND/ND[2]
	09/02/99	7.19	8.99	ND	ND	ND	ND	ND	ND/ND[2]
	12/14/99	8.07	8.11	ND	ND	ND	ND	ND	ND
	03/14/00	5.47	10.71	ND	ND	ND	ND	ND	ND
	05/31/00	**6.22**	**9.96**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-2									
15.57	03/05/99[1]	--	--	34,400	2,070	7,710	2,340	8,240	8,460[2]
	06/03/99	5.96	9.61	51,200[4]	1,820	7,570	2,510	7,320	6,460/8,800[2]
	09/02/99	6.85	8.72	17,000[5]	1,000	3,100	1,400	3,700	4,000/3,720[2]
	12/14/99	7.65	7.92	83,000[5]	3,000	22,000	4,500	17,000	9,100/11,000[2]
	03/14/00	5.26	10.31	31,000[5]	1,600	4,600	2,300	7,300	5,700/8,700[2]
	05/31/00	**5.60**	**9.97**	**9,970[5]**	**598**	**1,030**	**487**	**2,060**	**2,500/1,670[2]**
MW-3									
15.11	03/05/99[1]	--	--	135[3]	ND	ND	ND	4.84	2.46[2]
	06/03/99	5.57	9.54	ND	ND	ND	ND	ND	5.23/12.7[2]
	09/02/99	6.50	8.61	ND	ND	ND	ND	ND	13/11.0[2]
	12/14/99	7.28	7.83	ND	ND	ND	ND	ND	ND
	03/14/00	4.87	10.24	ND	ND	ND	ND	ND	7.2/6.3[2]
	05/31/00	**5.58**	**9.53**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-4									
15.17	03/05/99[1]	--	--	ND	ND	ND	ND	2.44	25.2[2]
	06/03/99	5.45	9.72	ND	ND	ND	ND	ND	ND/3.96[2]
	09/02/99	6.48	8.69	ND	ND	ND	ND	ND	23/27.0[2]

Table 1

Groundwater Monitoring Data and Analytical Results

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	12/14/99	7.27	7.90	ND	ND	ND	ND	ND	200/270[2]
(cont)	03/14/00	4.67	10.50	ND	ND	ND	ND	ND	46/49[2]
	05/31/00	**5.48**	**9.69**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-5									
13.34	12/14/99	6.45	6.89	ND	ND	ND	ND	ND	3.5/3.8[2]
	03/14/00	4.46	8.88	ND	ND	ND	ND	ND	ND
	05/31/00	**5.18**	**8.16**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-6									
14.08	12/14/99	6.64	7.44	ND	ND	ND	ND	ND	11,000/18,000[2]
	03/14/00	4.72	9.36	ND[7]	ND[7]	ND[7]	ND[7]	ND[7]	19,000/21,000[2,6]
	05/31/00	**5.28**	**8.80**	**ND[7]**	**ND[7]**	**ND[7]**	**ND[7]**	**ND[7]**	**13,200**
Trip Blank									
TB-LB	03/05/99[1]	--	--	ND	ND	ND	ND	ND	ND[2]
	06/03/99	--	--	ND	ND	ND	ND	ND	ND
	09/02/99	--	--	ND	ND	ND	ND	ND	ND
	12/14/99	--	--	ND	ND	ND	ND	ND	ND
	03/14/00	--	--	ND	ND	ND	ND	ND	ND
	05/31/00	**--**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 3, 1999, were compiled from reports prepared by ERI, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed

* TOC elevations are based on USC&GS Benchmark WEB PAC - 1947 - R 1951; (Elevation = 14.054 feet).

1 Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8260A.

2 MTBE by EPA Method 8260A.

3 Laboratory report indicates weathered gasoline C6-C12.

4 Laboratory report indicates chromatogram pattern C6-C12.

5 Laboratory report indicates gasoline C6-C12.

6 Laboratory report indicates sample was analyzed 03/28/00 but required reanalysis at a dilution. The dilution was analyzed outside of the EPA recommended holding time.

7 Detection limit raised. Refer to analytical reports.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	09/02/99	ND	ND	ND	ND	ND	ND	--	--
MW-2	09/02/99	ND[1]	ND[1]	3,720	ND[1]	ND[1]	ND[1]	--	--
	12/14/99	ND[1]	ND[1]	11,000	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]
	03/14/00	ND[1]	1,300	8,700	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]
	05/31/00	**ND[1]**	**ND[1]**	**1,670**	**ND[1]**	**ND[1]**	**ND[1]**	**ND[1]**	**ND[1]**
MW-3	09/02/99	ND	ND	11.0	ND	ND	ND	--	--
	03/14/00	--	--	6.3	--	--	--	--	--
MW-4	09/02/99	ND	ND	27.0	ND	ND	ND	--	--
	12/14/99	--	--	270	--	--	--	--	--
	03/14/00	--	--	49	--	--	--	--	--
MW-5	12/14/99	--	--	3.8	--	--	--	--	--
MW-6	12/14/99	--	--	18,000	--	--	--	--	--
	03/14/00	--	--	21,000[2]	--	--	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

EXPLANATIONS:

TBA = Tertiary Butyl Alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = Di-isopropyl Ether

ETBE = Ethyl Tertiary Butyl Ether

TAME = Tertiary Amyl Methyl Ether

1,2-DCA = 1,2-Dichloroethane

EDB = Ethylene dibromide

ppb = Parts per billion

ND = Not Detected

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

[1] Detection limit raised. Refer to analytical reports.

[2] Laboratory report indicates sample was analyzed 03/28/00 but required reanalysis at a dilution. The dilution was analyzed outside of the EPA recommended holding time.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-1 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.05 ft.

Depth to Water 6.22 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

13.83 x VF 0.17 = 2.35 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, (Suction), Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 8:42 Weather Conditions: clear/hot

Sampling Time: 9:05 AM Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: None

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:50	2.5	7.40	10.46	71.2			
8:51	5	7.28	10.44	72.8			
8:53	7.5	7.39	10.45	73.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-2 Well Condition: O.K.

Well Diameter 2 in Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.25 ft

Depth to Water 5.60 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

14.65 x VF 0.17 = 2.49 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other:

Sampling Equipment: Disposable Bailer / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 11:00 Weather Conditions: clear/hot

Sampling Time: 11:22 A.m Water Color: clear Odor: Some

Purging Flow Rate: 1 gpm Sediment Description: None

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (x100) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:10	2.5	7.07	4.35	71.8			
11:11	5	7.04	4.89	73.6			
11:12	7.5	7.14	4.92	73.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
	2 VOA	"	"	"	(6) Oxys 1,2 DCA/EDB by 8260

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-3 Well Condition: O.K.

Well Diameter 2 in Hydrocarbon Thickness: 0 in Amount Bailed (product/water): 0 (gal.)

Total Depth 19.90 ft

Depth to Water 5.58 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

14.32 x VF 0.17 = 2.43 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / ~~Suction~~ / Grundfos / Other: _____

Sampling Equipment: ~~Disposable Bailer~~ / Bailer / Pressure Bailer / Grab Sample / Other: _____

Starting Time: 9:12 Weather Conditions: clear/hot

Sampling Time: 9:30 AM Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: None

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (10^3) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:20	2.5	7.76	8.35	74.1			
9:21	5	7.53	7.49	73.8			
9:22	7.5	7.42	7.52	73.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-4 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.80 ft.

Depth to Water 5.48 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

14.32 x VF 0.17 = 2.43 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 9:40 Weather Conditions: clear/hot

Sampling Time: 10:06 AM Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x10	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:51	2.5	7.66	9.46	73.3			
9:53	5	7.39	9.52	73.5			
9:54	7.5	7.28	9.55	73.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-5 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.22 ft.

Depth to Water 5.18 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

15.04 x VF 0.17 = 2.56 x 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / ~~Suction~~ / Grundfos / Other:

Sampling Equipment: (Disposable Bailer) / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 7:55 Weather Conditions: clear/hot

Sampling Time: 8:20 A.M. Water Color: clear Odor: none

Purging Flow Rate: ~1 gpm. Sediment Description: None

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (10^0) µmhos/cm x	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:08	3	7.37	10.51	73.2			
8:10	5	7.27	10.48	73.9			
8:12	8	7.26	10.49	74.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0843 Job#: 180203

Address: 1629 Webster st. Date: 5-31-00

City: Alameda, CA Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in Hydrocarbon Thickness: 0 in Amount Bailed (product/water): 0 (gal.)

Total Depth 20.15 ft

Depth to Water 5.28 ft

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

14.87 X VF 0.17 = 2.53 X 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 10:20 Weather Conditions: clear

Sampling Time: 10:43 A.M. Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10^0	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:30	3	7.40	5.55	73.9			
10:31	5	7.30	5.68	74.1			
10:33	8	7.24	5.72	73.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE

COMMENTS: _____

LOOS211

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company
8000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number TOSCO (Former 76) SS #0843
Facility Address 1629 Webster Street, ALAMEDA CA
Consultant Project Number 180023.85
Consultant Name Gettler-Ryan Inc. (G-R Inc.)
Address 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name) Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7888

Contact (Name) Mr. ~~Ed Ralston~~ Dave Ch 6/1/00
(Phone) (916) 774-2910
Laboratory Name Sequoia Analytical
Laboratory Release Number
Samples Collected by (Name) JOE A JEMIAN
Collection Date 5-31-00
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	(6) OK's 1,2 DCA/ EDB by 8260					DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB		1 VOA	W	G	—	HCl	Y	✓													
MW-1		3 VOA			9:05			✓								✓					
MW-2		5 VOA			11:22			✓													
MW-3		3 VOA			9:30			✓													
MW-4		"			10:06			✓													
MW-5		"			8:20			✓													
MW-6		"			10:43			✓													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	5-31-00 2:30 pm			5/31/00 14:30
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
6 Days
10 Days
As Contracted

Sequoia
Analytical

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June 15, 2000

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin, CA 94568

RE: Tosco(1)/L005211

Dear Deanna Harding:

Enclosed are the results of analyses for sample(s) received by the laboratory on May 31, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

ANALYTICAL REPORT FOR L005211

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L005211-01	Water	5/31/00
MW-1	L005211-02	Water	5/31/00
MW-2	L005211-03	Water	5/31/00
MW-3	L005211-04	Water	5/31/00
MW-4	L005211-05	Water	5/31/00
MW-5	L005211-06	Water	5/31/00
MW-6	L005211-07	Water	5/31/00

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **TB-LB**
Laboratory Sample Number: **L005211-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060014	6/5/00	6/5/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*97.7*	*%*	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-1**
Laboratory Sample Number: **L005211-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060013	6/5/00	6/5/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*105*	*%*	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-2**
Laboratory Sample Number: **L005211-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060022	6/6/00	6/7/00		1250	**9970**	ug/l	1
Benzene	"	"	"		12.5	**598**	"	
Toluene	"	"	"		12.5	**1030**	"	
Ethylbenzene	"	"	"		12.5	**487**	"	
Xylenes (total)	"	"	"		12.5	**2060**	"	
Methyl tert-butyl ether	"	"	"		125	**2500**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*86.1*	%	
Volatile Organic Compounds by EPA Method 8260A								
Ethanol	0060010	6/5/00	6/5/00		20000	ND	ug/l	
1,2-Dibromoethane	"	"	"		40.0	ND	"	
1,2-Dichloroethane	"	"	"		40.0	ND	"	
Di-isopropyl ether	"	"	"		40.0	ND	"	
Ethyl tert-butyl ether	"	"	"		40.0	ND	"	
Methyl tert-butyl ether	"	"	"		40.0	**1670**	"	
Tert-amyl methyl ether	"	"	"		40.0	ND	"	
Tert-butyl alcohol	"	"	"		2000	ND	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*96.6*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-3**
Laboratory Sample Number: **L005211-04**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060013	6/5/00	6/5/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*99.9*	*%*	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-4**
Laboratory Sample Number: **L005211-05**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060013	6/5/00	6/5/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*97.3*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-5**
Laboratory Sample Number: **L005211-06**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060022	6/6/00	6/6/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*101*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Sample Description: **MW-6**
Laboratory Sample Number: **L005211-07**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	0060022	6/6/00	6/6/00		500	ND	ug/l	
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	"	"	6/7/00		500	**13200**	"	2
Surrogate: a,a,a-Trifluorotoluene	*"*	*"*	*6/6/00*	*70.0-130*		*90.5*	*%*	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0060013	**Date Prepared: 6/5/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0060013-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/5/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.98*	"	*70.0-130*	*99.8*			
LCS	**0060013-BS1**									
Benzene	6/5/00	10.0		9.16	ug/l	70.0-130	91.6			
Toluene	"	10.0		8.49	"	70.0-130	84.9			
Ethylbenzene	"	10.0		8.55	"	70.0-130	85.5			
Xylenes (total)	"	30.0		25.9	"	70.0-130	86.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.13*	"	*70.0-130*	*91.3*			
LCS	**0060013-BS2**									
Purgeable Hydrocarbons as Gasoline	6/5/00	250		229	ug/l	70.0-130	91.6			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
Matrix Spike	**0060013-MS1**		**L005212-10**							
Purgeable Hydrocarbons as Gasoline	6/5/00	250	ND	225	ug/l	60.0-140	**90.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.77*	"	*70.0-130*	*97.7*			
Matrix Spike Dup	**0060013-MSD1**		**L005212-10**							
Purgeable Hydrocarbons as Gasoline	6/5/00	250	ND	211	ug/l	60.0-140	**84.4**	25.0	**6.42**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.88*	"	*70.0-130*	*98.8*			
Batch: 0060014	**Date Prepared: 6/5/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0060014-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/5/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.71*	"	*70.0-130*	*97.1*			
LCS	**0060014-BS1**									
Benzene	6/5/00	10.0		9.20	ug/l	70.0-130	92.0			
Toluene	"	10.0		8.88	"	70.0-130	88.8			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0060014-BS1**									
Ethylbenzene	6/5/00	10.0		8.69	ug/l	70.0-130	86.9			
Xylenes (total)	"	30.0		26.6	"	70.0-130	88.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70.0-130*	*104*			
LCS	**0060014-BS2**									
Purgeable Hydrocarbons as Gasoline	6/5/00	250		224	ug/l	70.0-130	89.6			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.37*	"	*70.0-130*	*93.7*			
Matrix Spike	**0060014-MS1**		**L005212-05**							
Purgeable Hydrocarbons as Gasoline	6/5/00	250	ND	233	ug/l	60.0-140	**93.2**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.88*	"	*70.0-130*	*98.8*			
Matrix Spike Dup	**0060014-MSD1**		**L005212-05**							
Purgeable Hydrocarbons as Gasoline	6/5/00	250	ND	228	ug/l	60.0-140	**91.2**	25.0	**2.17**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.96*	"	*70.0-130*	*99.6*			
Batch: 0060022	**Date Prepared: 6/6/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0060022-BLK1**									
Purgeable Hydrocarbons as Gasoline	6/6/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
LCS	**0060022-BS1**									
Benzene	6/6/00	10.0		8.03	ug/l	70.0-130	80.3			
Toluene	"	10.0		7.68	"	70.0-130	76.8			
Ethylbenzene	"	10.0		7.34	"	70.0-130	73.4			
Xylenes (total)	"	30.0		22.4	"	70.0-130	74.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.38*	"	*70.0-130*	*93.8*			
LCS	**0060022-BS2**									
Purgeable Hydrocarbons as Gasoline	6/6/00	250		220	ug/l	70.0-130	88.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.69*	"	*70.0-130*	*96.9*			
Matrix Spike	**0060022-MS1**		**L005211-06**							
Benzene	6/6/00	10.0	ND	10.0	ug/l	60.0-140	**100**			
Toluene	"	10.0	ND	9.72	"	60.0-140	**97.2**			
Ethylbenzene	"	10.0	ND	9.43	"	60.0-140	**94.3**			

Sequoia Analytical - San Carlos

**Refer to end of report for text of notes and definitions.*

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike (continued)	**0060022-MS1**		**L005211-06**							
Xylenes (total)	6/6/00	30.0	ND	28.1	ug/l	60.0-140	**93.7**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			
Matrix Spike Dup	**0060022-MSD1**		**L005211-06**							
Benzene	6/6/00	10.0	ND	10.4	ug/l	60.0-140	**104**	25.0	**3.92**	
Toluene	"	10.0	ND	10.2	"	60.0-140	**102**	25.0	**4.82**	
Ethylbenzene	"	10.0	ND	9.45	"	60.0-140	**94.5**	25.0	**0.212**	
Xylenes (total)	"	30.0	ND	28.7	"	60.0-140	**95.7**	25.0	**2.11**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.61*	"	*70.0-130*	*96.1*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(1)	Sampled: 5/31/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 5/31/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 6/15/00

Volatile Organic Compounds by EPA Method 8260A/Quality Control - Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0060010	**Date Prepared: 6/2/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0060010-BLK1**									
Ethanol	6/2/00			**ND**	ug/l	**1000**				
1,2-Dibromoethane	"			**ND**	"	**2.00**				
1,2-Dichloroethane	"			**ND**	"	**2.00**				
Di-isopropyl ether	"			**ND**	"	**2.00**				
Ethyl tert-butyl ether	"			**ND**	"	**2.00**				
Methyl tert-butyl ether	"			**ND**	"	**2.00**				
Tert-amyl methyl ether	"			**ND**	"	**2.00**				
Tert-butyl alcohol	"			**ND**	"	**100**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.9*	"	*76.0-114*	*106*			
Blank	**0060010-BLK2**									
Ethanol	6/5/00			**ND**	ug/l	**1000**				
1,2-Dibromoethane	"			**ND**	"	**2.00**				
1,2-Dichloroethane	"			**ND**	"	**2.00**				
Di-isopropyl ether	"			**ND**	"	**2.00**				
Ethyl tert-butyl ether	"			**ND**	"	**2.00**				
Methyl tert-butyl ether	"			**ND**	"	**2.00**				
Tert-amyl methyl ether	"			**ND**	"	**2.00**				
Tert-butyl alcohol	"			**ND**	"	**100**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.7*	"	*76.0-114*	*97.4*			
LCS	**0060010-BS1**									
Methyl tert-butyl ether	6/2/00	50.0		37.1	ug/l	70.0-130	74.2			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.7*	"	*76.0-114*	*105*			
LCS	**0060010-BS2**									
Methyl tert-butyl ether	6/5/00	50.0		44.0	ug/l	70.0-130	88.0			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.8*	"	*76.0-114*	*99.6*			
Matrix Spike	**0060010-MS1**		**L006009-03**							
Methyl tert-butyl ether	6/5/00	50.0	ND	44.3	ug/l	60.0-140	**88.6**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.9*	"	*76.0-114*	*97.8*			
Matrix Spike Dup	**0060010-MSD1**		**L006009-03**							
Methyl tert-butyl ether	6/5/00	50.0	ND	45.6	ug/l	60.0-140	**91.2**	25.0	**2.89**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.2*	"	*76.0-114*	*98.4*			

Sequoia Analytical

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Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	MTBE reported from a second run dilution.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference