GETTLER-RYAN INC.

TRANSMITTAL

February 23, 2001
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	February 2, 2001	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 1, 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 ***March 7, 2001***, this report will be distributed to the following:

cc: **Ms. Eva Chu, Alameda County Dept., of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502**

Enclosure

3/13/01 email to D. Dewitt if ok for HPs along Webster + Pacific - will be coming. - Dewitt says he approved it, so it should be coming soon

trans/0843.dbd

QUARTERLY SUMMARY REPORT
Fourth Quarter 2000
(October - December)

FORMER TOSCO 76 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 the 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. The results of the investigation indicated that dissolved petroleum hydrocarbons in groundwater were not delineated.

During fourth quarter 1999, ERI installed two off-site groundwater monitoring wells downgradient of the site. Concentrations of dissolved MTBE were detected in samples collected from 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. Submit a work plan to perform an off-site groundwater evaluation in the downgradient direction of groundwater flow from the site.

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 removed
Soil remediation in progress?	No
Dissolved/free product remediation in progress?	No

CONSULTANT: Environmental Resolutions, Inc.

WP/an for HPs will be submitted in ~ 1 month.

GETTLER-RYAN INC.

February 2, 2001
G-R Job #180203

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

RE: Fourth 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 December 1, 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 are 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 are also attached.

Sincerely,

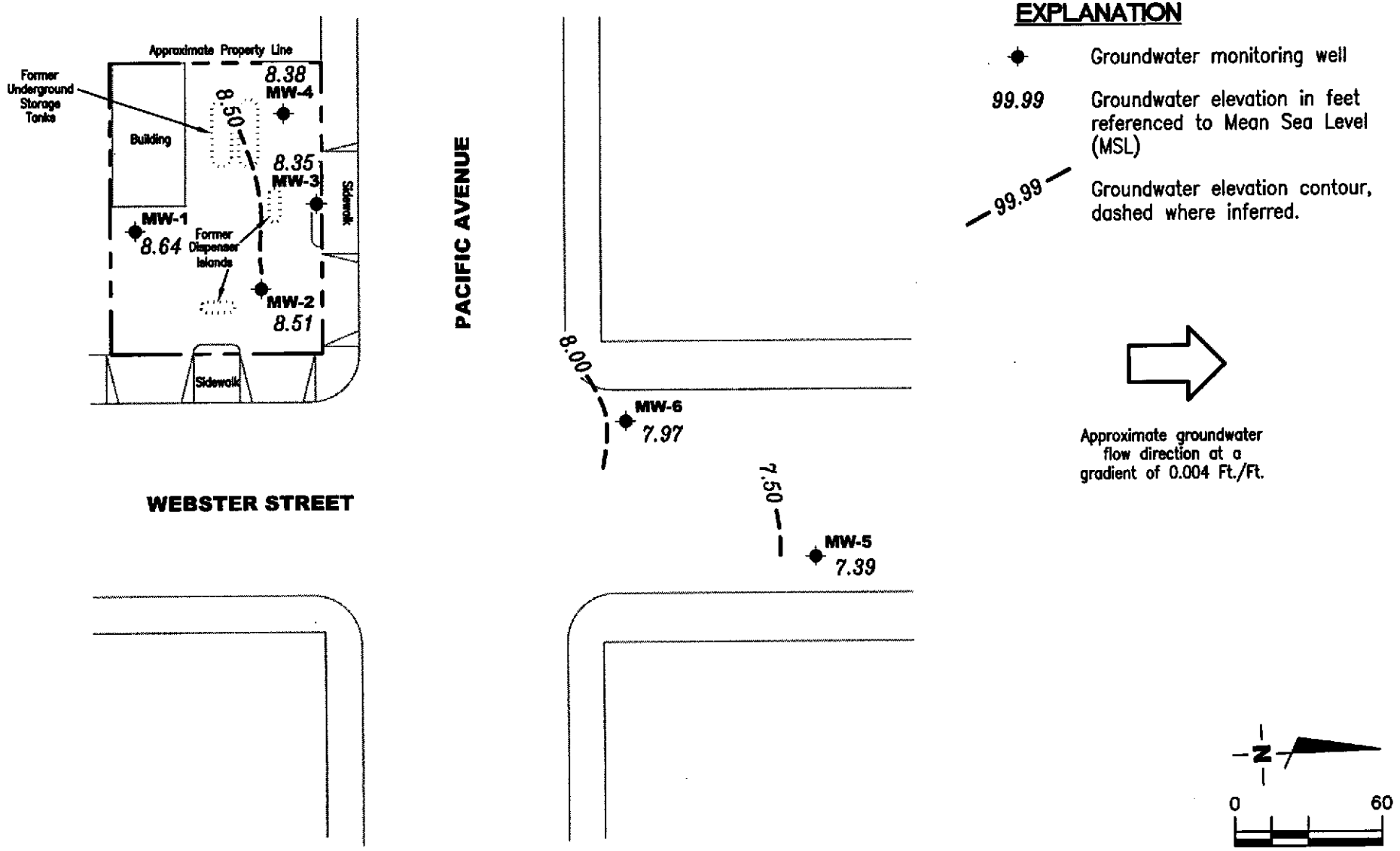
Deanna L. Harding
Project Coordinator

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.
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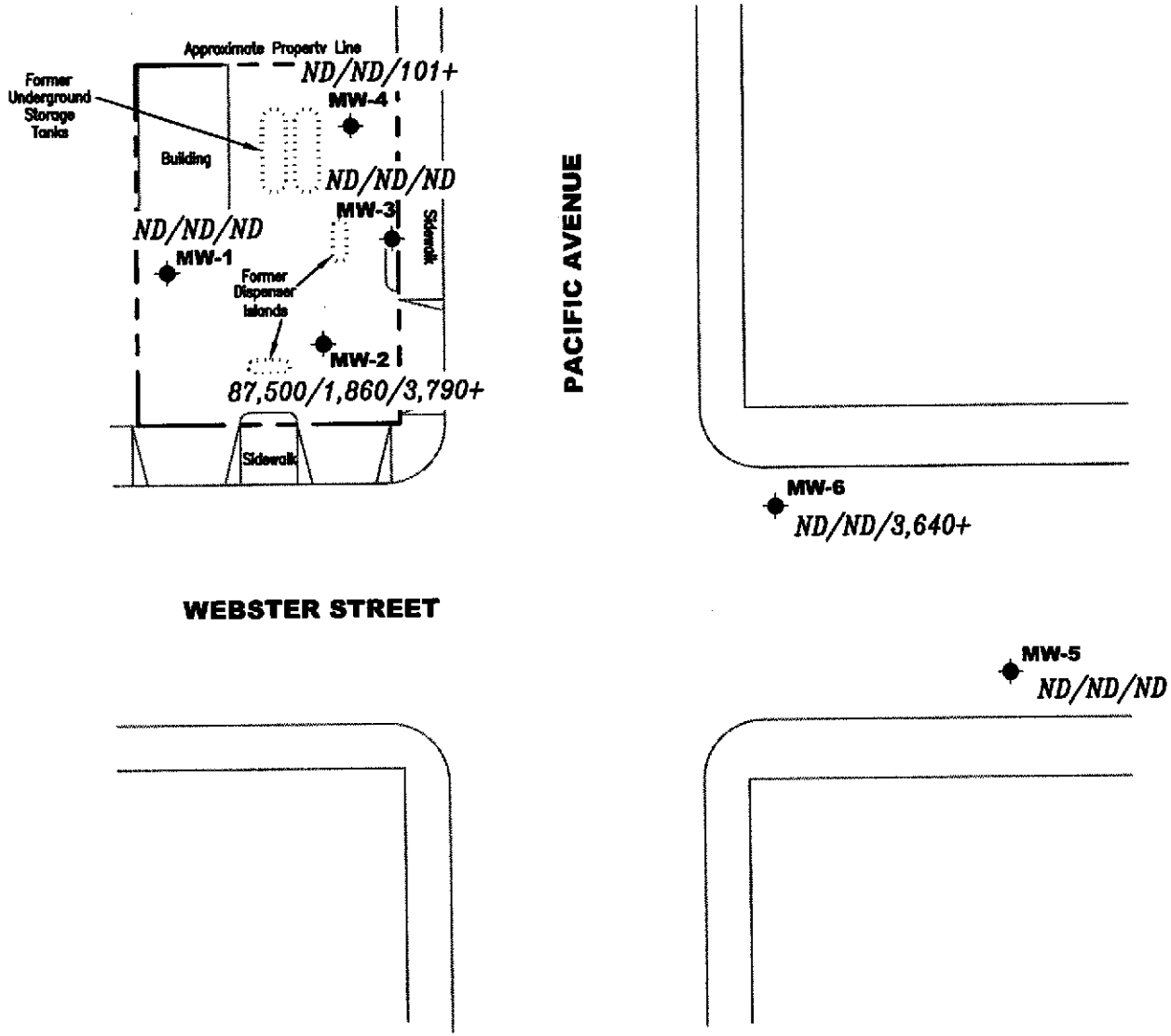
(925) 551-7555

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

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		December 1, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\Q00-0843.DWG | Layout Tab: Pot4



EXPLANATION

⌖	Groundwater monitoring well
A/B/C	TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentrations in ppb
ND	Not Detected
+	MTBE by EPA Method 8260

Source: Figure modified from drawing provided by ERI.

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Dublin, CA 94568
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CONCENTRATION MAP
Former Tosco 76 Service Station #0843
1629 Webster Street
Alameda, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		December 1, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\000-0843.DWG | Layout Tab: Con4

Table 1

Groundwater Monitoring Data and Analytical Results

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

WELL ID/ TOC* (ft.)	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
	08/29/00	6.82	9.36	ND	ND	ND	ND	ND	ND
	12/01/00	**7.54**	**8.64**	**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]
	08/29/00	6.35	9.22	7,900[5]	390	1,500	280	1,900	1,800/1,300[2]
	12/01/00	**7.06**	**8.51**	**87,500[5]**	**1,860**	**17,400**	**5,590**	**19,400**	**6,220/3,790[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
	08/29/00	6.06	9.05	ND	ND	ND	ND	ND	ND
	12/01/00	**6.76**	**8.35**	**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

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
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]
	12/14/99	7.27	7.90	ND	ND	ND	ND	ND	200/270[2]
	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
	08/29/00	6.10	9.07	ND	ND	ND	ND	ND	6.1/3.2[2]
	12/01/00	**6.79**	**8.38**	**ND**	**ND**	**ND**	**ND**	**ND**	**152/101[2]**
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
	08/29/00	5.46	7.88	ND	ND	ND	ND	ND	ND
	12/01/00	**5.95**	**7.39**	**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
	08/29/00	5.39	8.69	ND	ND	ND	ND	ND	270/400[2]
	12/01/00	**6.11**	**7.97**	**ND**	**ND**	**ND**	**ND**	**ND**	**6,330/3,640[2]**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Tosco 76 Service Station #0843

1629 Webster Street

Alameda, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
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
	08/29/00	--	--	ND	ND	ND	ND	ND	ND
	12/01/00	**--**	**--**	**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
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean sea level
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 8260.

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]
	08/29/00	ND	250	1,300	ND	ND	ND	ND	ND
	12/01/00	**ND[1]**	**ND[1]**	**3,790**	**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	--	--	--	--	--
	08/29/00	--	--	3.2	--	--	--	--	--
MW-5	12/14/99	--	--	3.8	--	--	--	--	--
MW-6	12/14/99	--	--	18,000	--	--	--	--	--
	03/14/00	--	--	21,000[2]	--	--	--	--	--
	08/29/00	--	--	400	--	--	--	--	--

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 = 1,2-Dibromoethane

(ppb) = Parts per billion

-- = Not Analyzed

ND = Not Detected

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 Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/1/00

City: Alameda, CA Sampler: Vartkes

Well ID MW- 1 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.05 ft.

Depth to Water 7.54 ft.

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

12.51 X VF 0.17 = 2.12 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

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

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

Starting Time: 11:35 Weather Conditions: cldy

Sampling Time: 11:55 Water Color: brn Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: Silt

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:37	2	7.92	743	63.3			
11:39	4	7.75	756	63.9			
11:42	6.5	7.68	761	64.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1	3 VOA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/11/00

City: Alameda, CA Sampler: Vasthen

Well ID MW- 2 Well Condition: ok

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.25 ft.

Depth to Water 7.06 ft.

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

13.19 X VF 0.17 = 2.24 X 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

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

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

Starting Time: 2:35 Weather Conditions: cldy

Sampling Time: 2:50 Water Color: grayish Odor: y

Purging Flow Rate: 1 gpm. Sediment Description: Silt

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:37	2	7.21	867	67.3			
2:40	4.5	7.05	859	66.1			
2:42	7	6.98	858	66.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	5 VoA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe (6) oxy's + 1,2 DCA & EDB

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/1/00

City: Alameda, CA Sampler: Carrillo

Well ID MW-3 Well Condition: ok

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.90 ft.

Depth to Water 6.76 ft.

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

13.14 X VF 0.17 = 2.23 X 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

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

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

Starting Time: 12:08 Weather Conditions: cldy

Sampling Time: 12:23 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:10	2	7.93	678	64.7			
12:13	4.5	7.83	685	65.2			
12:15	7	7.76	690	65.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/1/00

City: Alameda, CA Sampler: Vasthey

Well ID MW-4 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 4 (Gallons)

Total Depth 19.80 ft.

Depth to Water 6.79 ft.

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

13.01 X VF 0.17 = 2.21 X 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge Equipment: Bailer — Disposable Bailer; Stack; ~~Suction~~; Grundfos; Other: _____

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

Starting Time: 1:20 Weather Conditions: Cldy

Sampling Time: 1:35 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

Did well de-water? No If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:22	2	7.96	1105	66.2			
1:25	4.5	7.82	1093	65.2			
1:27	7	7.76	1086	65.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 VOA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/1/00

City: Alameda, CA Sampler: Vasthey

Well ID MW-5 Well Condition: ok

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.22 ft.

Depth to Water 5.95 ft.

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

14.27 X VF 0.17 = 2.42 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

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

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

Starting Time: 12:44 Weather Conditions: Cldy

Sampling Time: 1:05 Water Color: bro Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: silt

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:46	2.5	8.03	647	66.4			
12:49	5	7.87	660	65.3			
12:52	7.5	7.81	667	65.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 VOA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe

COMMENTS: _____

9/97-fieldst.fm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 12/1/00

City: Alameda, CA Sampler: Vartkes

Well ID MW-6 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.15 ft.

Depth to Water 6.11 ft.

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

14.04 X VF 0.17 = 2.38 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

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

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

Starting Time: 1:51 Weather Conditions: Cldy

Sampling Time: 2:15 Water Color: Grn Odor: ~~Yes~~ (MTBE)

Purging Flow Rate: 1 gpm. Sediment Description: Slt

Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:57	2.5	7.74	744	66.8			
2:00	5	7.56	730	66.0			
2:03	7.5	7.51	733	66.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCl	SEQUOIA	TPHGas/Btex/Mtbe

COMMENTS: _____

9/97-fieldst.frm

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company
2000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: Tosco (Former 76) SS #0843
Facility Address: 1629 Webster St., Alameda, Ca
Consultant Project Number: 180203.85
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. David De Witt
(Phone): (916) 774-2910
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): Vaztkes Tashjian
Collection Date: 12/1/00
Signature: Vazt Tashjian

LO2005

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)	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) oxy's (8260) 1,2 DCA + EDB				DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB	01	1	W	G		HCl	Y	X												Confirm MTBE Hits by 8260.
MW-1	02	3	"	"	11:51 A	"	"	X								X				
MW-2	03	5	"	"	2:55 P	"	"	X												
MW-3	04	3	"	"	12:22 P	"	"	X												
MW-4	05	3	"	"	1:35 P	"	"	X												
MW-5	06	3	"	"	1:05 P	"	"	X												
MW-6	07	3	"	"	2:25 P	"	"	X												

Analyses To Be Performed

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Vazt Tashjian	G-R Inc.	12/1/00 4:30 PM			12/1/00 (62)
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.
5 Days
10 Days
As Contracted

Sequoia
Analytical

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December 22, 2000

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

RE: Tosco(4)/L012005

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on December 1, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate Number I2360

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

ANALYTICAL REPORT FOR L012005

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L012005-01	Water	12/1/00
MW-1	L012005-02	Water	12/1/00
MW-2	L012005-03	Water	12/1/00
MW-3	L012005-04	Water	12/1/00
MW-4	L012005-05	Water	12/1/00
MW-5	L012005-06	Water	12/1/00
MW-6	L012005-07	Water	12/1/00

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TB-LB			**L012005-01**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120069	12/15/00	12/15/00		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*		*83.9*	*%*	
MW-1			**L012005-02**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120069	12/15/00	12/15/00		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*		*79.0*	*%*	
MW-2			**L012005-03**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120070	12/15/00	12/15/00		20000	**87500**	ug/l	1
Benzene	"	"	"		200	**1860**	"	
Toluene	"	"	"		200	**17400**	"	
Ethylbenzene	"	"	"		200	**5590**	"	
Xylenes (total)	"	"	"		200	**19400**	"	
Methyl tert-butyl ether	"	"	"		2000	**6220**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*119*	*%*	
MW-3			**L012005-04**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120070	12/15/00	12/15/00		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*		*116*	*%*	
MW-4			**L012005-05**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120070	12/15/00	12/15/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-4 (continued)			**L012005-05**				**Water**	
Methyl tert-butyl ether	0120070	12/15/00	12/15/00		5.00	**152**	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*105*	%	
MW-5			**L012005-06**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120070	12/15/00	12/15/00		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*		*114*	%	
MW-6			**L012005-07**				**Water**	
Purgeable Hydrocarbons as Gasoline	0120070	12/15/00	12/15/00		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	"	"	"		250	**6330**	"	2
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*118*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

MTBE Confirmation by EPA Method 8260B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-4			**L012005-05**				**Water**	
Methyl tert-butyl ether	0120088	12/20/00	12/20/00		4.00	**101**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*94.4*	%	
MW-6			**L012005-07**				**Water**	
Methyl tert-butyl ether	0120088	12/20/00	12/20/00		200	**3640**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*95.2*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

Volatile Organic Oxygenated Compounds by EPA Method 8260B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-2			**L012005-03**				**Water**	
Ethanol	0120032	12/7/00	12/7/00		50000	ND	ug/l	
1,2-Dibromoethane	"	"	"		100	ND	"	
1,2-Dichloroethane	"	"	"		100	ND	"	
Di-isopropyl ether	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		100	ND	"	
Methyl tert-butyl ether	"	"	"		100	**3790**	"	
Tert-amyl methyl ether	"	"	"		100	ND	"	
Tert-butyl alcohol	"	"	"		5000	ND	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*93.6*	%	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*100*	"	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

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: 0120069	**Date Prepared: 12/15/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0120069-BLK1**									
Purgeable Hydrocarbons as Gasoline	12/15/00			**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	**0120069-BS1**									
Benzene	12/15/00	10.0		9.72	ug/l	70.0-130	97.2			
Toluene	"	10.0		10.0	"	70.0-130	100			
Ethylbenzene	"	10.0		10.5	"	70.0-130	105			
Xylenes (total)	"	30.0		31.4	"	70.0-130	105			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70.0-130*	*101*			
LCS	**0120069-BS2**									
Purgeable Hydrocarbons as Gasoline	12/15/00	250		235	ug/l	70.0-130	94.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.49*	"	*70.0-130*	*94.9*			
Matrix Spike	**0120069-MS1**		**L012005-02**							
Purgeable Hydrocarbons as Gasoline	12/15/00	250	ND	246	ug/l	60.0-140	**98.4**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.00*	"	*70.0-130*	*80.0*			
Matrix Spike Dup	**0120069-MSD1**		**L012005-02**							
Purgeable Hydrocarbons as Gasoline	12/15/00	250	ND	221	ug/l	60.0-140	**88.4**	25.0	**10.7**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.64*	"	*70.0-130*	*86.4*			
Batch: 0120070	**Date Prepared: 12/15/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0120070-BLK1**									
Purgeable Hydrocarbons as Gasoline	12/15/00			**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*		*11.2*	"	*70.0-130*	*112*			
LCS	**0120070-BS1**									
Purgeable Hydrocarbons as Gasoline	12/15/00			103	ug/l	70.0-130				
Benzene	"	10.0		10.9	"	70.0-130	109			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

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)	**0120070-BS1**									
Toluene	12/15/00	10.0		10.5	ug/l	70.0-130	105			
Ethylbenzene	"	10.0		10.3	"	70.0-130	103			
Xylenes (total)	"	30.0		30.8	"	70.0-130	103			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.2*	"	*70.0-130*	*122*			
LCS	**0120070-BS2**									
Purgeable Hydrocarbons as Gasoline	12/15/00	250		176	ug/l	70.0-130	70.4			
Benzene	"			4.36	"	70.0-130				
Toluene	"			13.9	"	70.0-130				
Ethylbenzene	"			3.60	"	70.0-130				
Xylenes (total)	"			17.5	"	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.84*	"	*70.0-130*	*78.4*			
Matrix Spike	**0120070-MS1**		**L012005-04**							
Purgeable Hydrocarbons as Gasoline	12/16/00	250	ND	275	ug/l	60.0-140	**110**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.6*	"	*70.0-130*	*116*			
Matrix Spike Dup	**0120070-MSD1**		**L012005-04**							
Purgeable Hydrocarbons as Gasoline	12/16/00	250	ND	278	ug/l	60.0-140	**111**	25.0	**0.905**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.4*	"	*70.0-130*	*114*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

MTBE Confirmation by EPA Method 8260B/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: 0120088	**Date Prepared: 12/19/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0120088-BLK1**									
Methyl tert-butyl ether	12/18/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.1*	"	*76.0-114*	*98.2*			
Blank	**0120088-BLK2**									
Methyl tert-butyl ether	12/19/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.5*	"	*76.0-114*	*95.0*			
Blank	**0120088-BLK3**									
Methyl tert-butyl ether	12/20/00			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.4*	"	*76.0-114*	*98.8*			
LCS	**0120088-BS1**									
Methyl tert-butyl ether	12/18/00	50.0		35.5	ug/l	70.0-130	71.0			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.9*	"	*76.0-114*	*97.8*			
LCS	**0120088-BS2**									
Methyl tert-butyl ether	12/19/00	50.0		43.8	ug/l	70.0-130	87.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.9*	"	*76.0-114*	*99.8*			
LCS	**0120088-BS3**									
Methyl tert-butyl ether	12/20/00	50.0		44.4	ug/l	70.0-130	88.8			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.5*	"	*76.0-114*	*103*			
Matrix Spike	**0120088-MS1**		**L012120-11**							
Methyl tert-butyl ether	12/19/00	50.0	3.99	48.7	ug/l	60.0-140	**89.4**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.6*	"	*76.0-114*	*101*			
Matrix Spike Dup	**0120088-MSD1**		**L012120-11**							
Methyl tert-butyl ether	12/19/00	50.0	3.99	46.7	ug/l	60.0-140	**85.4**	25.0	**4.58**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.8*	"	*76.0-114*	*106*			

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

Volatile Organic Oxygenated Compounds by EPA Method 8260B/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: 0120032	**Date Prepared: 12/7/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0120032-BLK1**									
Ethanol	12/7/00			**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*		*53.4*	"	*76.0-114*	*107*			
Surrogate: Toluene-d8	"	*50.0*		*50.0*	"	*88.0-110*	*100*			
LCS	**0120032-BS1**									
Methyl tert-butyl ether	12/7/00	50.0		51.4	ug/l	70.0-130	103			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.4*	"	*76.0-114*	*101*			
Surrogate: Toluene-d8	"	*50.0*		*50.7*	"	*88.0-110*	*101*			
Matrix Spike	**0120032-MS1**		**L012006-08**							
Methyl tert-butyl ether	12/7/00	50.0	18.4	61.5	ug/l	60.0-140	**86.2**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*45.3*	"	*76.0-114*	*90.6*			
Surrogate: Toluene-d8	"	*50.0*		*48.2*	"	*88.0-110*	*96.4*			
Matrix Spike Dup	**0120032-MSD1**		**L012006-08**							
Methyl tert-butyl ether	12/7/00	50.0	18.4	55.2	ug/l	60.0-140	**73.6**	25.0	**15.8**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*44.7*	"	*76.0-114*	*89.4*			
Surrogate: Toluene-d8	"	*50.0*		*49.9*	"	*88.0-110*	*99.8*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 12/1/00
6747 Sierra Court, Suite J	Project Number:	Tosco (Former 76) SS#0843	Received: 12/1/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 12/22/00

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	MTBE was reported from second analysis.
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

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