GETTLER-RYAN INC.

TRANSMITTAL

October 23, 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	October 10, 2000	Groundwater Monitoring and Sampling Report Third Quarter 2000 - Event of August 29, 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 ***November 3, 2000***, this report will be distributed to the following:

Enclosure

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

decrease in MTBE in MW-6
evidence of TBA in MW-2
Not run for in MW-6 -
Run 8260 for other oxygenates in MW-6 to see if TBA present

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QUARTERLY SUMMARY REPORT
Third Quarter 2000
(July - September)

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.

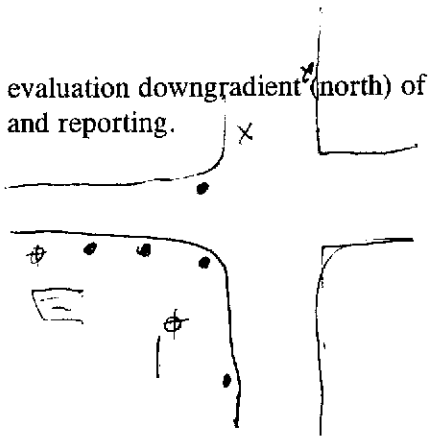
During fourth quarter 1999, ERI installed two off-site groundwater monitoring wells downgradient of the site. Concentrations of dissolved MTBE were detected the newly installed off-site wells MW5 and MW6 at 3.8 ppb and 18,000 ppb, respectively.

RECENT QUARTER ACTIVITIES

Performed quarterly groundwater monitoring, sampling, and reporting.

NEXT QUARTER ACTIVITIES

Submit a work plan to perform an off-site groundwater evaluation downgradient (north) of the site.
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

weird both on + off site
• W's going to be proposed

GETTLER-RYAN INC.

October 10, 2000
G-R Job #180203

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

RE: Third 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 August 29, 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,

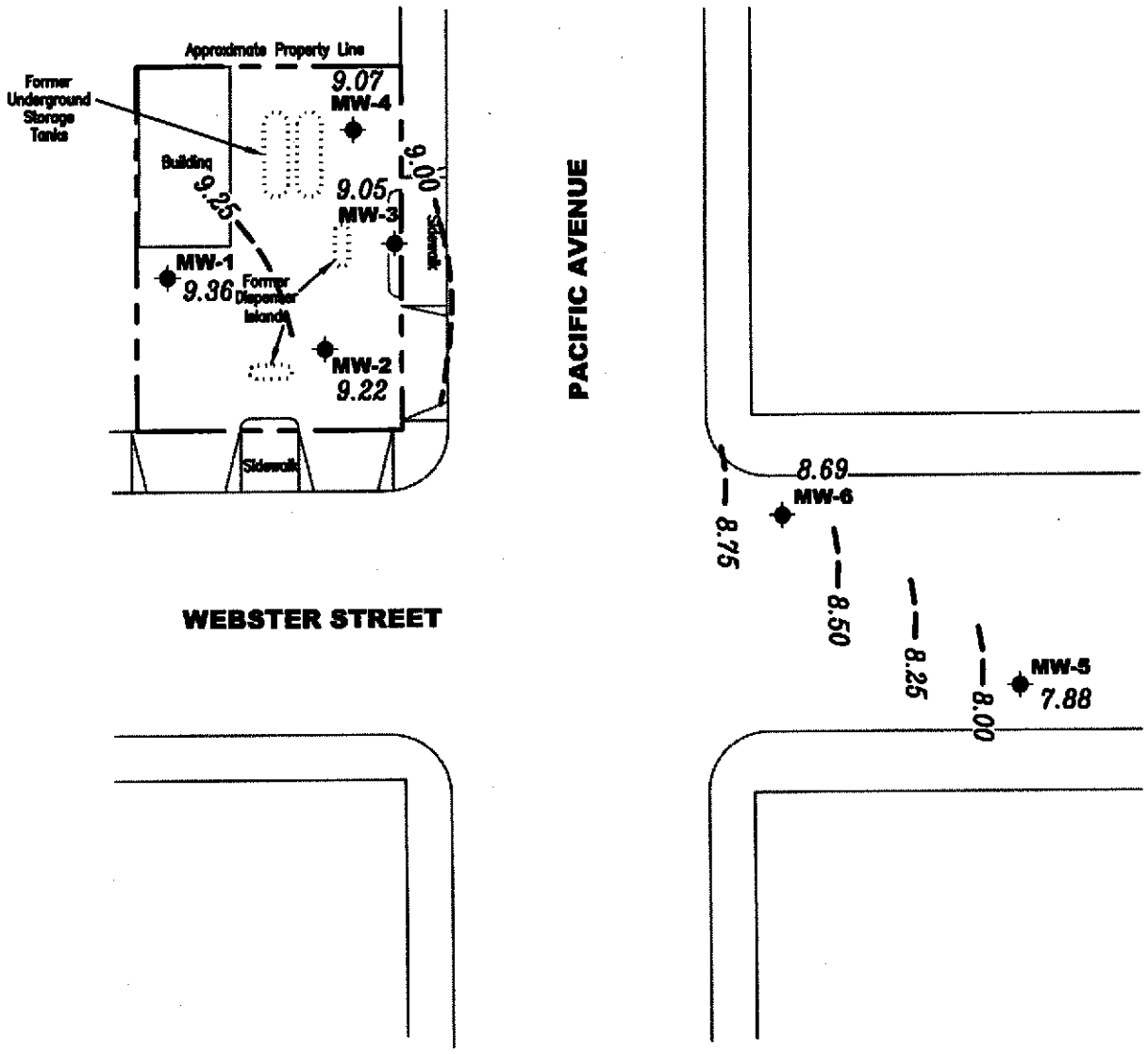
Deanna L. Harding
Project Coordinator

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

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

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



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 — Groundwater elevation contour, dashed where inferred.
- Approximate groundwater flow direction at a gradient of 0.003 to 0.01 Ft./Ft.

N

0 60

Scale in Feet

Source: Figure modified from drawing provided by ERI.

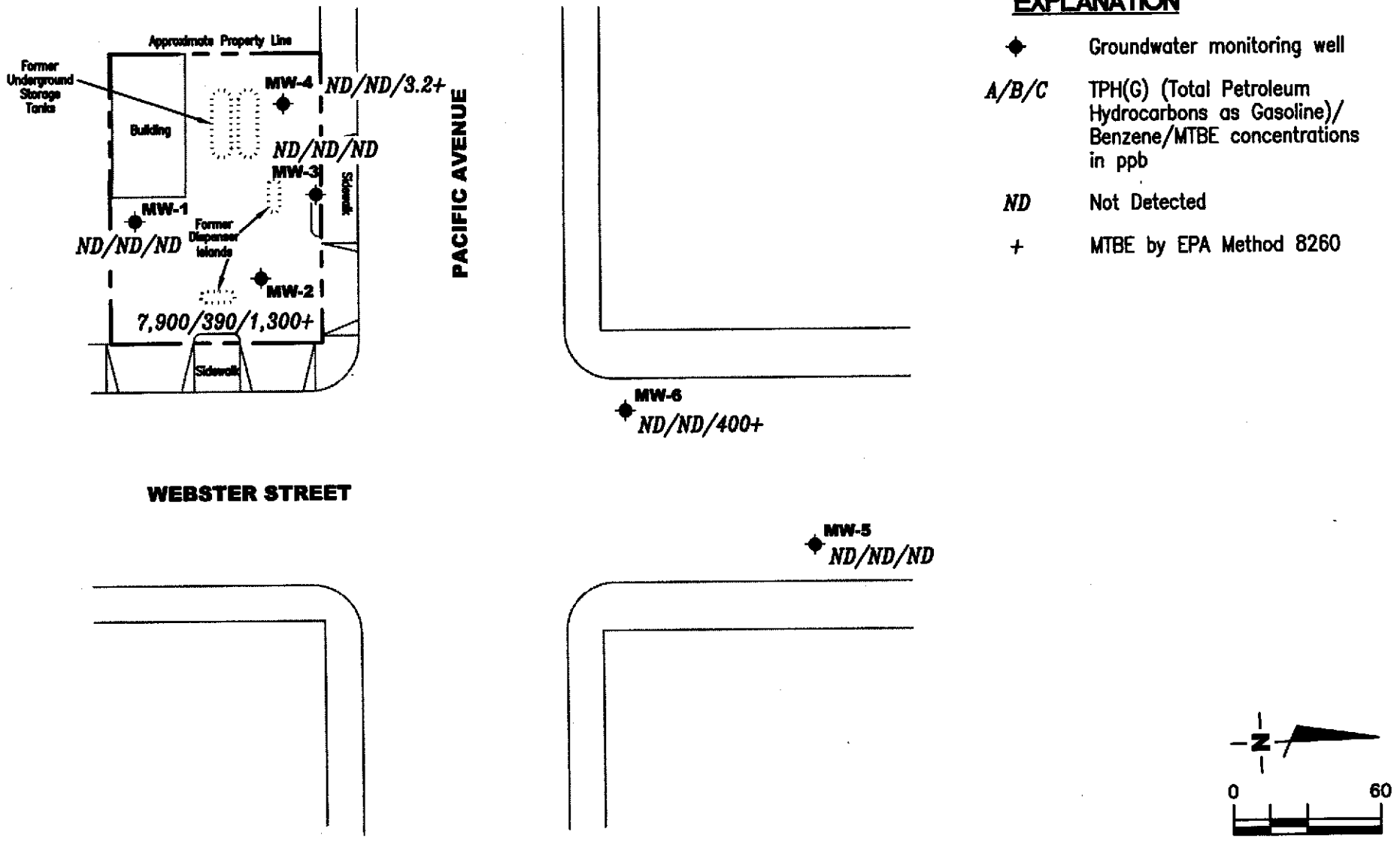
Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

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

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		August 29, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\G00-0843.DWG | Layout Tab: Pot3



Source: Figure modified from drawing provided by ERI.

Gettler - Ryan Inc.

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(925) 551-7555

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

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180203		August 29, 2000	

FILE NAME: P:\ENVIRO\TOSCO\0843\Q00-0843.DWG | Layout Tab: Con3

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
	08/29/00	**6.82**	**9.36**	**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]**
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**

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									
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]**
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**
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]**

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)
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**

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
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**
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: 8/29/00

City: Alameda, CA Sampler: H. KEVORK

Well ID MW- 1 Well Condition: OK

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

Total Depth 20.05 ft.

Depth to Water 6.82 ft.

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

13.23 X VF 0.17 = 2.25 X 3 (case volume) = Estimated Purge Volume: 6.75 (gal.)

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

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

Starting Time: 12:55 Weather Conditions: Cloudy

Sampling Time: 13:15 Water Color: _____ Odor: _____

Purging Flow Rate: 3/4 - 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)
12:58	2.5	7.45	426	70.02			
	5	7.41	390	69.5			
13:04	7	7.39	372	69.9			

LABORATORY INFORMATION

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

COMMENTS: _____

9/97-fieldot.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 9/29/00

City: Alameda, CA Sampler: H. KEVORK

Well ID MW-2 Well Condition: OK.

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

Total Depth 20.25 ft.

Depth to Water 6.35 ft.

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

13.90 X VF 0.17 = 2.36 X 3 (case volume) = Estimated Purge Volume: 7.09 (gal.)

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

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

Starting Time: 14:42 Weather Conditions: Cloudy

Sampling Time: 15:00 Water Color: _____ Odor: _____

Purging Flow Rate: 3/4 - 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)
14:45	2.5	7.18	679	72.5			
	5	7.13	634	72.1			
14:51	7	7.10	630	71.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	5 VOA	Y	HCL	SEQUOIA	TPHGas/Btex/Mtbe
					6 Oxys/EDB/1,2 DCA

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility Former Tosco #0843 Job#: 180203

Address: 1629 Webster St. Date: 8/29/00

City: Alameda, CA Sampler: H. KEVORK

Well ID MW-3 Well Condition: OK

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

Total Depth 19.90 ft.

Depth to Water 6.06 ft.

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

13.84 x VF 0.17 = 2.35 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: 13:27 Weather Conditions: Cloudy

Sampling Time: 13:50 Water Color: _____ Odor: _____

Purging Flow Rate: 3/4 - 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)
13:30	2.5	7.68	499	71.8			
	5	7.56	453	71.5			
13:37	7	7.60	468	71.7			

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: 8/29/00

City: Alameda, CA Sampler: H. KEVORK

Well ID MW-4 Well Condition: OK

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

Total Depth 19.80 ft.

Depth to Water 6.10 ft.

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

13.70 X VF 0.17 = 2.33 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: 14:02 Weather Conditions: Cloudy

Sampling Time: 14:25 Water Color: _____ Odor: _____

Purging Flow Rate: 3/4 - 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)
14:05	2.5	7.63	1390	72.6			
	5	7.59	1350	72.1			
14:12	7	7.59	1340	72.3			

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: 8/29/2000
City: Alameda, CA Sampler: H. KEVORK

Well ID MW-5 Well Condition: OK
Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
Total Depth 20.22 ft.
Depth to Water 5.46 ft.

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

14.76 x VF 0.17 = 2.5 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: 11:25 Weather Conditions: CLOUDY
Sampling Time: 11:45 Water Color: CLOUDY Odor: NO
Purging Flow Rate: ≈ 3/4 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)
11:28	2.5	7.88	618	68.2			
	5	7.82	588	67.6			
11:35	7.5	7.80	595	67.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	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: 8/29/00
City: Alameda, CA Sampler: H. KEVORK

Well ID MW-6 Well Condition: OK
Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
Total Depth 20.15 ft.
Depth to Water 5.39 ft.

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

14.76 x VF 0.17 = 2.5 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: 11:58 Weather Conditions: CLOUDY
Sampling Time: 12:25 Water Color: CLOUDY Odor: NO
Purging Flow Rate: 3/4 - 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)
12:01	2.5	7.42	584	67.5			
	5	7.38	556	67.2			
12:08	7.5	7.35	560	67.1			

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

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 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~~ DAVID DE WITT
(Phone) ~~(510) 644-2700~~ 277-2384
Laboratory Name Sequoia Analytical W008618
Laboratory Release Number
Samples Collected by (Name) HAIG KEVORK
Collection Date 8/29/2000
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 (8020)	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 OXYGENATE COMPOUNDS	1,2-DCA & EDB BY 8260				Remarks
TB-LB	01A	1	W	G		HCL	YES	✓													PLEASE RUN
MW-1	02A-C	3	W	G	13:15			✓													MTBE 8260
MW-2	03A-E	5	W	G	15:00			✓								✓	✓				ON ANY HITS
MW-3	04A-C	3	W	G	13:50			✓													OF MTBE 8020
MW-4	05	3	W	G	14:25			✓													
MW-5	06	3	W	G	11:45			✓													
MW-6	07	3	W	G	12:25			✓													

DO NOT BILL TB-LB ANALYSIS

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	8/29/00			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) WC		Date/Time 8/29/00 16:40

Turn Around Time (Circle Choice)

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

Sequoia
Analytical

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15 September, 2000

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco
Sequoia Report: W008618

Enclosed are the results of analyses for samples received by the laboratory on 29-Aug-00 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W008618-01	Water	29-Aug-00 00:00	29-Aug-00 16:40
MW-1	W008618-02	Water	29-Aug-00 13:15	29-Aug-00 16:40
MW-2	W008618-03	Water	29-Aug-00 15:00	29-Aug-00 16:40
MW-3	W008618-04	Water	29-Aug-00 13:50	29-Aug-00 16:40
MW-4	W008618-05	Water	29-Aug-00 14:25	29-Aug-00 16:40
MW-5	W008618-06	Water	29-Aug-00 11:45	29-Aug-00 16:40
MW-6	W008618-07	Water	29-Aug-00 12:25	29-Aug-00 16:40

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W008618-01) Water Sampled: 29-Aug-00 00:00 Received: 29-Aug-00 16:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.7 %*	*70-130*		"	"	"	"	
MW-1 (W008618-02) Water Sampled: 29-Aug-00 13:15 Received: 29-Aug-00 16:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.7 %*	*70-130*		"	"	"	"	
MW-2 (W008618-03) Water Sampled: 29-Aug-00 15:00 Received: 29-Aug-00 16:40									**P-01**
Purgeable Hydrocarbons	**7900**	1000	ug/l	20	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	**390**	10	"	"	"	"	"	"	
Toluene	**1500**	10	"	"	"	"	"	"	
Ethylbenzene	**280**	10	"	"	"	"	"	"	
Xylenes (total)	**1900**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1800**	50	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*97.3 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W008618-04) Water Sampled: 29-Aug-00 13:50 Received: 29-Aug-00 16:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*		*70-130*	"	"	"	"	
MW-4 (W008618-05) Water Sampled: 29-Aug-00 14:25 Received: 29-Aug-00 16:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	6.1	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*93.7 %*		*70-130*	"	"	"	"	
MW-5 (W008618-06) Water Sampled: 29-Aug-00 11:45 Received: 29-Aug-00 16:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.3 %*		*70-130*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Tosco Project Number: Tosco # 0843 Project Manager: Deanna L. Harding	**Reported:** 15-Sep-00 07:44

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W008618-07) Water	**Sampled: 29-Aug-00 12:25**	**Received: 29-Aug-00 16:40**							
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11003	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**270**	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*98.3 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (W008618-05) Water Sampled: 29-Aug-00 14:25 Received: 29-Aug-00 16:40									
Methyl tert-butyl ether	**3.2**	2.0	ug/l	1	0I12020	12-Sep-00	12-Sep-00	EPA 8260B	
Surrogate: Dibromofluoromethane		*96.0 %*		*50-150*	"	"	"	"	
MW-6 (W008618-07) Water Sampled: 29-Aug-00 12:25 Received: 29-Aug-00 16:40									
Methyl tert-butyl ether	**400**	20	ug/l	10	0I12020	12-Sep-00	12-Sep-00	EPA 8260B	
Surrogate: Dibromofluoromethane		*102 %*		*50-150*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (W008618-03) Water	**Sampled: 29-Aug-00 15:00**	**Received: 29-Aug-00 16:40**							
Ethanol	ND	500	ug/l	1	0H29016	01-Sep-00	01-Sep-00	EPA 8260B	
tert-Butyl alcohol	**250**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1300**	20	"	10	"	"	05-Sep-00	"	
Di-isopropyl ether	ND	2.0	"	1	"	"	01-Sep-00	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0I11003 - EPA 5030B [P/T]										
Blank (0I11003-BLK1)				Prepared & Analyzed: 11-Sep-00						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*30.1*		"	*30.0*		*100*	*70-130*			
LCS (0I11003-BS1)				Prepared & Analyzed: 11-Sep-00						
Benzene	19.5	0.50	ug/l	20.0		97.5	70-130			
Toluene	19.7	0.50	"	20.0		98.5	70-130			
Ethylbenzene	19.8	0.50	"	20.0		99.0	70-130			
Xylenes (total)	57.2	0.50	"	60.0		95.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.1*		"	*30.0*		*93.7*	*70-130*			
Matrix Spike (0I11003-MS1)		Source: W009124-04		Prepared & Analyzed: 11-Sep-00						
Benzene	18.3	0.50	ug/l	20.0	ND	91.5	70-130			
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130			
Ethylbenzene	19.3	0.50	"	20.0	ND	96.5	70-130			
Xylenes (total)	53.9	0.50	"	60.0	ND	89.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*31.1*		"	*30.0*		*104*	*70-130*			
Matrix Spike Dup (0I11003-MSD1)		Source: W009124-04		Prepared & Analyzed: 11-Sep-00						
Benzene	18.9	0.50	ug/l	20.0	ND	94.5	70-130	3.23	20	
Toluene	19.1	0.50	"	20.0	ND	95.5	70-130	3.19	20	
Ethylbenzene	19.3	0.50	"	20.0	ND	96.5	70-130	0	20	
Xylenes (total)	55.6	0.50	"	60.0	ND	92.7	70-130	3.11	20	
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

MTBE Confirmation by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0I12020 - EPA 5030B [P/T]										
Blank (0I12020-BLK1)				Prepared & Analyzed: 12-Sep-00						
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*47.0*		"	*50.0*		*94.0*	*50-150*			
LCS (0I12020-BS1)				Prepared & Analyzed: 12-Sep-00						
Methyl tert-butyl ether	54.7	2.0	ug/l	50.0		109	70-130			
Surrogate: Dibromofluoromethane	*46.0*		"	*50.0*		*92.0*	*50-150*			
LCS Dup (0I12020-BSD1)				Prepared & Analyzed: 12-Sep-00						
Methyl tert-butyl ether	54.2	2.0	ug/l	50.0		108	70-130	0.918	25	
Surrogate: Dibromofluoromethane	*48.0*		"	*50.0*		*96.0*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H29016 - EPA 5030B [P/T]										
Blank (0H29016-BLK1)				Prepared & Analyzed: 31-Aug-00						
Ethanol	ND	500	ug/l							
tert-Butyl alcohol	ND	50	"							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*53.0*		"	*50.0*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*52.0*		"	*50.0*		*104*	*50-150*			
Blank (0H29016-BLK2)				Prepared & Analyzed: 01-Sep-00						
Ethanol	ND	500	ug/l							
tert-Butyl alcohol	ND	50	"							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*50.0*		"	*50.0*		*100*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*		"	*50.0*		*94.0*	*50-150*			
Blank (0H29016-BLK3)				Prepared & Analyzed: 05-Sep-00						
Ethanol	ND	500	ug/l							
tert-Butyl alcohol	ND	50	"							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*53.0*		"	*50.0*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.0*		"	*50.0*		*98.0*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0843	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	15-Sep-00 07:44

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H29016 - EPA 5030B [P/T]										
LCS (0H29016-BS1)				Prepared & Analyzed: 31-Aug-00						
Methyl tert-butyl ether	48.9	2.0	ug/l	50.0		97.8	70-130			
Surrogate: Dibromofluoromethane	*52.0*		"	*50.0*		*104*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		"	*50.0*		*100*	*50-150*			
LCS (0H29016-BS2)				Prepared & Analyzed: 01-Sep-00						
Methyl tert-butyl ether	40.7	2.0	ug/l	50.0		81.4	70-130			
Surrogate: Dibromofluoromethane	*50.0*		"	*50.0*		*100*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*45.0*		"	*50.0*		*90.0*	*50-150*			
LCS (0H29016-BS3)				Prepared & Analyzed: 05-Sep-00						
Methyl tert-butyl ether	53.2	2.0	ug/l	50.0		106	70-130			
Surrogate: Dibromofluoromethane	*53.0*		"	*50.0*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*		"	*50.0*		*94.0*	*50-150*			
Matrix Spike (0H29016-MS1)		Source: W008624-02		Prepared & Analyzed: 01-Sep-00						
Methyl tert-butyl ether	138	2.0	ug/l	50.0	79	118	60-150			
Surrogate: Dibromofluoromethane	*54.0*		"	*50.0*		*108*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			
Matrix Spike Dup (0H29016-MSD1)		Source: W008624-02		Prepared & Analyzed: 01-Sep-00						
Methyl tert-butyl ether	137	2.0	ug/l	50.0	79	116	60-150	0.727	25	
Surrogate: Dibromofluoromethane	*53.0*		"	*50.0*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			

Sequoia Analytical

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Notes and Definitions

CC-3	Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
P-01	Chromatogram Pattern: Gasoline C6-C12
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
RPD	Relative Percent Difference