GETTLER-RYAN INC.

ENVIRONMENTAL PROTECTION

99 NOV 15 PM 4:25

TRANSMITTAL

October 27, 1999
G-R #:180225

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

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

11/17/99 Rel yesterday to D Harding can discontinue 8260 for MTBE. Just do 8020 for BTEX, MTBE.

RE: Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 25, 1999	Groundwater Monitoring and Sampling Report Fourth Quarter 1999 - Event of September 28, 1999

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 9, 1999***, this report will be distributed to the following:

Enclosure

cc: Ms. Eva Chu, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502
Mr. Bob Hale, Alameda County Public Works Agency, Water Resources Section, 951 Turner CT, Suite 300, Hayward, CA 94545

agency/1156dbd.qmt

GETTLER-RYAN INC.

October 25, 1999
G-R Job #180225

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

RE: Fourth Quarter 1999 Groundwater Monitoring & Sampling Report
Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

Dear Mr. De Witt:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On September 28, 1999, field personnel monitored and sampled four wells (MW-1 through MW-4) 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 are also attached.

Sincerely,

Deanna L. Harding

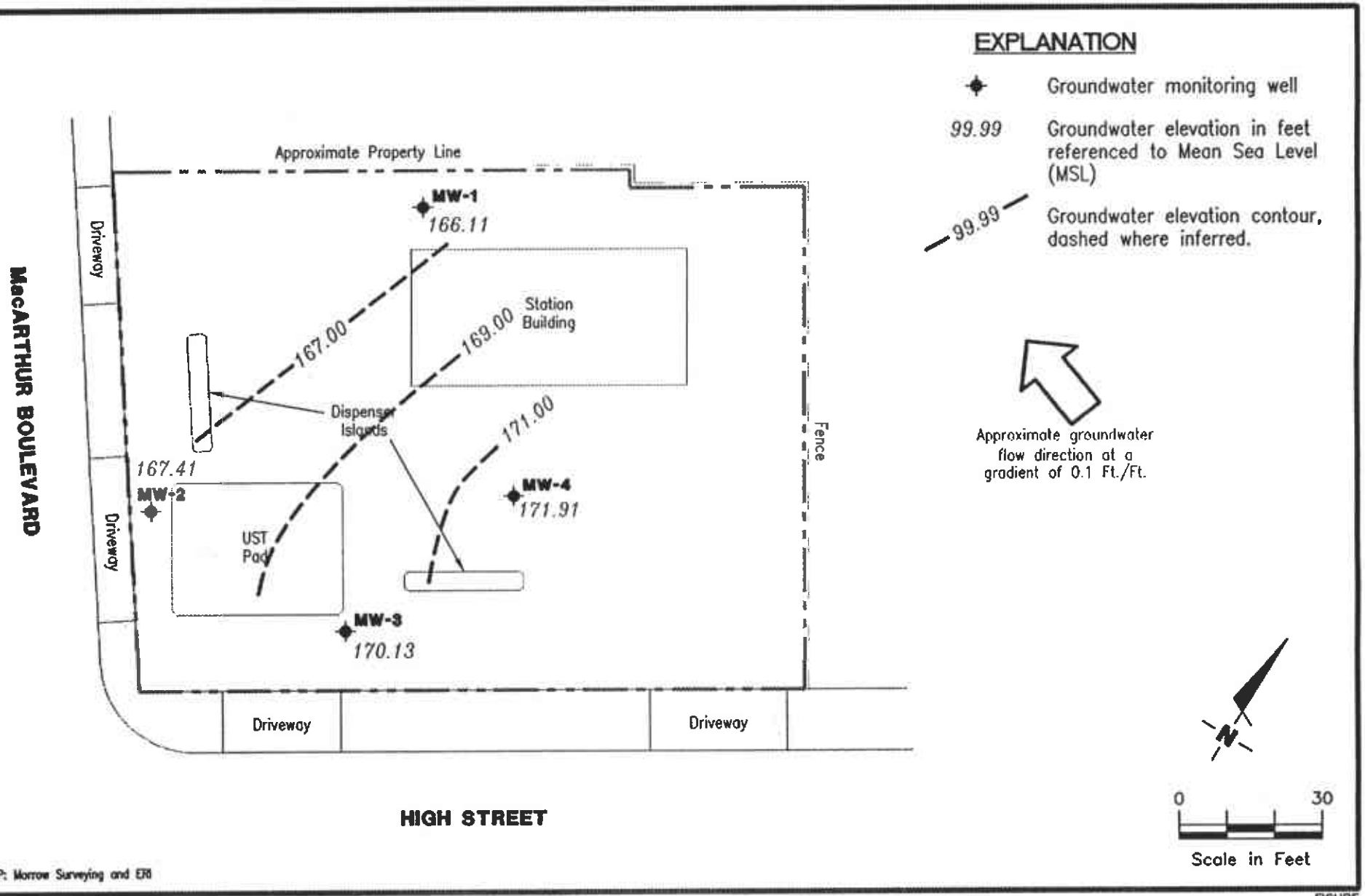
Deanna L. Harding
Project Coordinator

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
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

1156.qml



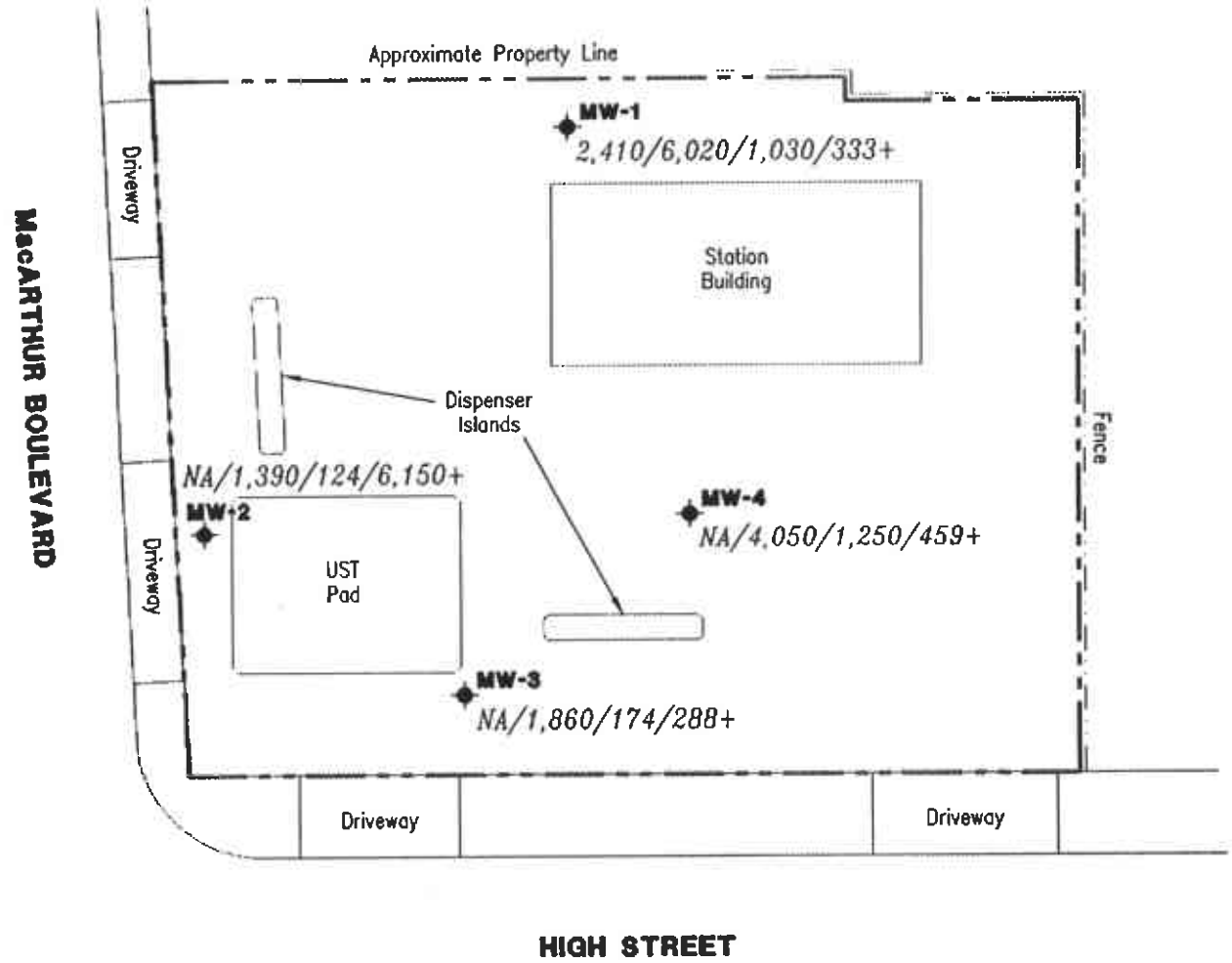
Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180225		September 28, 1999	



EXPLANATION

◆	Groundwater monitoring well
A/B/C/D	TPH(D) (Total Petroleum Hydrocarbons as Diesel)/TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentration in ppb
ND	Not Detected
NA	Not Analyzed
+	MTBE by EPA Method 8260

BASE MAP: Morrow Surveying and ERI

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

CONCENTRATION MAP
Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

FIGURE
2

JOB NUMBER
180225

REVIEWED BY

DATE
September 28, 1999

REVISED DATE

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ppb)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											
174.86	07/20/99[5]	7.50	167.36	--	16,000[2]	120,000	11,000	27,000	3,300	18,000	ND[1]
	09/28/99	**8.75**	**166.11**	**<0.01**	**2,410[2]**	**6,020[6]**	**1,030**	**1,040**	**68.5**	**412**	**321/333[3]**
MW-2											
173.01	07/20/99	5.40	167.61	--	--	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]	4,500/11,000[3,4]
	09/28/99	**5.60**	**167.41**	**0.00**	**--**	**1,390[6]**	**124**	**ND[1]**	**62.9**	**43.1**	**5,280/6,150[3]**
MW-3											
178.44	07/20/99	8.50	169.94	--	--	1,000	76	52	79	76	330
	09/28/99	**8.31**	**170.13**	**0.00**	**--**	**1,860[6]**	**174**	**95.4**	**71.8**	**135**	**443/288[3]**
MW-4											
179.10	07/20/99	7.40	171.70	--	--	69	2.7	0.77	ND	7.1	100
	09/28/99	**7.19**	**171.91**	**0.00**	**--**	**4,050[6]**	**1,250**	**72.0**	**51.3**	**133**	**416/459[3]**
Trip Blank											
TB-LB	07/20/99	--	--	--	--	--	--	--	--	--	--
	09/28/99	**--**	**--**	**--**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to September 28, 1999, were compiled from reports prepared by Environmental Resolutions, Inc.

TOC = Top of Casing elevation
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Referenced relative to mean sea level
TPH(D) = Total Petroleum Hydrocarbons as Diesel
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 City of Oakland Benchmark No. 3967, (Elevation = 174.40 feet msl).

1 Detection limit raised. Refer to analytical reports.
2 Laboratory report indicates unidentified hydrocarbons C9-C24.
3 MTBE by EPA Method 8260.
4 Laboratory analyzed sample past EPA recommended holding time.
5 Total Recoverable Petroleum Oil was ND.
6 Laboratory report indicates gasoline C6-C12.

Table 2

Groundwater Analytical Results

Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

Well ID	Date	Ethanol *(ppb)*	TBA *(ppb)*	MTBE *(ppb)*	DIPE *(ppb)*	ETBE *(ppb)*	TAME *(ppb)*	HVOCs *(ppb)*	SVOCs *(ppb)*
MW-1	07/20/99	--	--	11,000[3]	--	--	--	ND[1]	ND[2]
	09/28/99	--	ND[6]	333	ND[6]	ND[6]	ND[6]	ND[4]	ND[5]
MW-2	09/28/99	--	ND[6]	6,150	ND[6]	ND[6]	ND[6]	--	--
MW-3	09/28/99	--	ND[6]	288	ND[6]	ND[6]	8.80	--	--
MW-4	09/28/99	--	ND[6]	459	ND[6]	ND[6]	ND[6]	--	--

Table 2

Groundwater Analytical Results

Tosco 76 Service Station #1156
4276 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater analytical results prior to September 28, 1999, were compiled from reports prepared by Environmental Resolutions, Inc.

TBA = Tertiary Butyl Alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl Tertiary Butyl Ether
TAME = Tertiary Amyl Methyl Ether
EDB = 1,2-Dibromoethane
HVOCs = Halogenated Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
ppb = Parts per billion
-- = Not Analyzed
ND = Not Detected

1 All HVOCs were ND except for Chlorobenzene at 12 ppb; 1,2-Dichlorobenzene (1,2-DCB) at 3.9 ppb; 1,1-Dichloroethane (1,1-DCA) at 2.0 ppb; 1,2-Dichloroethane (1,2-DCA) at 20 ppb; cis-1,2-Dichloroethene (cis-1,2-DCE) at 3.6 ppb; and 1,2-Dichloropropane (1,2-DCP) at 0.92 ppb.

2 All SVOCs were ND except for Benzyl alcohol at 37 ppb; 2,4-Dimethylphenol at 140 ppb; 2-Methylnaphthalene at 240 ppb; 4-Methylphenol at 27 ppb; and Naphthalene at 600 ppb.

3 Laboratory analyzed sample past EPA recommended holding time.

4 All HVOCs were ND except for Benzene at 6,130 ppb; Ethylbenzene at 1,590 ppb; Naphthalene at 534 ppb; Toluene at 11,900 ppb; 1,2,4-Trimethylbenzene at 1,240 ppb; 1,3,5-Trimethylbenzene at 318 ppb; and Total Xylenes at 7,360 ppb.

5 All SVOCs were ND (with a raised detection limit) except for 2,4-Dimethylphenol at 13.6 ppb; 2-Methylnaphthalene at 87.4 ppb; 2-Methylphenol at 26.4; 4-Methylphenol at 35.6; and Naphthalene at 292 ppb.

6 Detection limit raised. Refer to analytical reports.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds
EPA Method 8010 for HVOCs
EPA Method 8270 for SVOCs

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 a MMC flexi-dip 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 # Tosco 1156 — Job#: 180225

Address: 4276 MacArthur Blvd. — Date: 9/28/99

City: Oakland — Sampler: Varthy

Well ID: MW-1 — Well Condition: OK

Well Diameter: 2 in. — Hydrocarbon Thickness: <0.01 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 25.00 ft.

Depth to Water: 8.75 ft.

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

16.25 x VF 0.17 = 2.76 x 3 (case volume) = Estimated Purge Volume: 8.28 (gal.)

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

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

Starting Time: 12:07 — Weather Conditions: clr

Sampling Time: 12:25 — Water Color: clear — Odor: y

Purging Flow Rate: 1 gpm. — Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:10	3	7.70	8.74	71.9			
12:13	6	7.64	8.72	71.1			
12:16	8.5	7.59	8.67	70.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-1	2 VOA	"	"	"	8260(5) Oxy 6 only.
MW-1	3 VOA	"	"	"	HVOC's (8260)
MW-1	1 Amber	"	"	NONE	TPH-D
MW-1	2 Ambers	"	"	"	SVOC's (8270)

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 1156 — Job#: 180225

Address: 4276 MacArthur Blvd. — Date: 9/28/99

City: Oakland — Sampler: Vasitka

Well ID: MW-2 — Well Condition: OK

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

Total Depth: 25.50 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

19.90 X VF 0.17 = 3.38 X 3 (case volume) = Estimated Purge Volume: 10.14 (gal.)

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

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

Starting Time: 10:10 — Weather Conditions: clear

Sampling Time: 10:30 — 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 X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:13	3.5	7.77	7.25	69.4			
10:17	7	7.60	7.56	71.1			
10:20	10.5	7.54	7.62	71.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe 8260 (5) 04 Comp
MW-2	2 VOA	"	"	"	

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 1156 — Job#: 180225

Address: 4276 MacArthur Blvd. — Date: 9/28/99

City: Oakland — Sampler: Vasthy

Well ID: MW-3 — Well Condition: OK

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

Total Depth: 25.00 ft.

Depth to Water: 8.31 ft.

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

16.69 x VF 0.17 = 2.83 x 3 (case volume) = Estimated Purge Volume: 8.5 (gal.)

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

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

Starting Time: 11:21 — Weather Conditions: clear

Sampling Time: 11:40 — Water Color: clear — Odor: N

Purging Flow Rate: 1 gpm. — Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cmX100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:24	3	7.48	7.39	71.7			
11:27	6	7.52	7.24	71.2			
11:30	9	7.53	7.19	70.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-3	2 VOA	"	"	"	8260 (5) Oxy. Only

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 11.56 — Job#: 180225

Address: 4276 MacArthur Blvd. — Date: 9/28/99

City: Oakland — Sampler: Varthy

Well ID: MW-4 — Well Condition: ok

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

Total Depth: 25.30 ft.

Depth to Water: 7.19 ft.

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

18.11 x VF 0.17 = 3.07 x 3 (case volume) = Estimated Purge Volume: 9.23 (gal.)

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

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

Starting Time: 10:45 — Weather Conditions: clear

Sampling Time: 11:05 — Water Color: brr — 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 X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:48	3	7.57	10.31	72.2			
10:51	6	7.44	10.60	72.5			
10:54	9.5	7.39	10.65	72.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-4	2 VOA	~	~	~	8260(5) oxy. comp.

COMMENTS: _____

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Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

October 19, 1999

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

RE: Tosco(4)/L909259

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on September 28, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

ANALYTICAL REPORT FOR L909259

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L909259-01	Water	9/28/99
MW-1	L909259-02	Water	9/28/99
MW-2	L909259-03	Water	9/28/99
MW-3	L909259-04	Water	9/28/99
MW-4	L909259-05	Water	9/28/99

Sequoia Analytical

1551 Industrial Road
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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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			**L909259-01**				**Water**	
Purgeable Hydrocarbons as Gasoline	9100036	10/8/99	10/8/99		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*		*90.5*	%	
MW-1			**L909259-02**				**Water**	
Purgeable Hydrocarbons as Gasoline	9100036	10/8/99	10/9/99		1000	**6020**	ug/l	
Benzene	"	"	"		10.0	**1030**	"	
Toluene	"	"	"		10.0	**1040**	"	
Ethylbenzene	"	"	"		10.0	**68.5**	"	
Xylenes (total)	"	"	"		10.0	**412**	"	
Methyl tert-butyl ether	"	"	"		100	**321**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*NR*	%	
MW-2			**L909259-03**				**Water**	
Purgeable Hydrocarbons as Gasoline	9100036	10/8/99	10/9/99		250	**1390**	ug/l	
Benzene	"	"	"		2.50	**124**	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	**62.9**	"	
Xylenes (total)	"	"	"		2.50	**43.1**	"	
Methyl tert-butyl ether	"	"	10/12/99		200	**5280**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	*10/9/99*	*70.0-130*		*86.3*	%	
MW-3			**L909259-04**				**Water**	
Purgeable Hydrocarbons as Gasoline	9100046	10/11/99	10/12/99		500	**1860**	ug/l	1
Benzene	"	"	"		5.00	**174**	"	
Toluene	"	"	"		5.00	**95.4**	"	
Ethylbenzene	"	"	"		5.00	**71.8**	"	
Xylenes (total)	"	"	"		5.00	**135**	"	
Methyl tert-butyl ether	"	"	"		50.0	**443**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*78.0*	%	
MW-4			**L909259-05**				**Water**	
Purgeable Hydrocarbons as Gasoline	9100046	10/11/99	10/12/99		1250	**4050**	ug/l	1
Benzene	"	"	"		12.5	**1250**	"	
Toluene	"	"	"		12.5	**72.0**	"	
Ethylbenzene	"	"	"		12.5	**51.3**	"	
Xylenes (total)	"	"	"		12.5	**133**	"	

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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)			**L909259-05**				**Water**	
Methyl tert-butyl ether	9100046	10/11/99	10/12/99		125	**416**	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*90.1*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L909259-02**				**Water**	
Benzene	9090135	9/29/99	9/29/99		200	**6130**	ug/l	
Bromobenzene	"	"	"		200	ND	"	
Bromochloromethane	"	"	"		200	ND	"	
Bromodichloromethane	"	"	"		200	ND	"	
Bromoform	"	"	"		200	ND	"	
Bromomethane	"	"	"		500	ND	"	
n-Butylbenzene	"	"	"		200	ND	"	
sec-Butylbenzene	"	"	"		200	ND	"	
tert-Butylbenzene	"	"	"		200	ND	"	
Carbon tetrachloride	"	"	"		200	ND	"	
Chlorobenzene	"	"	"		200	ND	"	
Chloroethane	"	"	"		500	ND	"	
Chloroform	"	"	"		200	ND	"	
Chloromethane	"	"	"		500	ND	"	
2-Chlorotoluene	"	"	"		200	ND	"	
4-Chlorotoluene	"	"	"		200	ND	"	
Dibromochloromethane	"	"	"		200	ND	"	
1,2-Dibromoethane	"	"	"		200	ND	"	
Dibromomethane	"	"	"		200	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		500	ND	"	
1,2-Dichlorobenzene	"	"	"		200	ND	"	
1,3-Dichlorobenzene	"	"	"		200	ND	"	
1,4-Dichlorobenzene	"	"	"		200	ND	"	
Dichlorodifluoromethane	"	"	"		200	ND	"	
1,1-Dichloroethane	"	"	"		200	ND	"	
1,2-Dichloroethane	"	"	"		200	ND	"	
1,1-Dichloroethene	"	"	"		200	ND	"	
cis-1,2-Dichloroethene	"	"	"		200	ND	"	
trans-1,2-Dichloroethene	"	"	"		200	ND	"	
1,2-Dichloropropane	"	"	"		200	ND	"	
1,3-Dichloropropane	"	"	"		200	ND	"	
2,2-Dichloropropane	"	"	"		200	ND	"	
1,1-Dichloropropene	"	"	"		200	ND	"	
Ethylbenzene	"	"	"		200	**1590**	"	
Hexachlorobutadiene	"	"	"		200	ND	"	
Isopropylbenzene	"	"	"		200	ND	"	
p-Isopropyltoluene	"	"	"		200	ND	"	
Methylene chloride	"	"	"		500	ND	"	
Naphthalene	"	"	"		500	**534**	"	
n-Propylbenzene	"	"	"		200	ND	"	
Styrene	"	"	"		200	ND	"	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1 (continued)			**L909259-02**				**Water**	
1,1,1,2-Tetrachloroethane	9090135	9/29/99	9/29/99		200	ND	ug/l	
1,1,2,2-Tetrachloroethane	"	"	"		200	ND	"	
Tetrachloroethene	"	"	"		200	ND	"	
Toluene	"	"	"		200	**11900**	"	
1,2,3-Trichlorobenzene	"	"	"		200	ND	"	
1,2,4-Trichlorobenzene	"	"	"		200	ND	"	
1,1,1-Trichloroethane	"	"	"		200	ND	"	
1,1,2-Trichloroethane	"	"	"		200	ND	"	
Trichloroethene	"	"	"		200	ND	"	
Trichlorofluoromethane	"	"	"		500	ND	"	
1,2,3-Trichloropropane	"	"	"		200	ND	"	
1,2,4-Trimethylbenzene	"	"	"		200	**1240**	"	
1,3,5-Trimethylbenzene	"	"	"		200	**318**	"	
Vinyl chloride	"	"	"		200	ND	"	
Total Xylenes	"	"	"		200	**7360**	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*99.2*	*%*	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*98.8*	"	
Surrogate: 4-BFB	"	"	"	*86.0-115*		*98.6*	"	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L909259-02**				**Water**	
Tert-butyl alcohol	9090136	9/29/99	9/29/99		6670	ND	ug/l	
Methyl tert-butyl ether	"	"	"		66.7	**333**	"	
Di-isopropyl ether	"	"	"		66.7	ND	"	
Ethyl tert-butyl ether	"	"	"		66.7	ND	"	
Tert-amyl methyl ether	"	"	"		66.7	ND	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*98.0*	%	
MW-2			**L909259-03**				**Water**	
Tert-butyl alcohol	9090136	9/29/99	9/29/99		10000	ND	ug/l	
Methyl tert-butyl ether	"	"	"		100	**6150**	"	
Di-isopropyl ether	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		100	ND	"	
Tert-amyl methyl ether	"	"	"		100	ND	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*105*	%	
MW-3			**L909259-04**				**Water**	
Tert-butyl alcohol	9090143	9/29/99	10/4/99		500	ND	ug/l	
Methyl tert-butyl ether	"	"	"		5.00	**288**	"	
Di-isopropyl ether	"	"	"		5.00	ND	"	
Ethyl tert-butyl ether	"	"	"		5.00	ND	"	
Tert-amyl methyl ether	"	"	"		5.00	**8.80**	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*88.2*	%	
MW-4			**L909259-05**				**Water**	
Tert-butyl alcohol	9090136	9/29/99	9/29/99		1250	ND	ug/l	
Methyl tert-butyl ether	"	"	"		12.5	**459**	"	
Di-isopropyl ether	"	"	"		12.5	ND	"	
Ethyl tert-butyl ether	"	"	"		12.5	ND	"	
Tert-amyl methyl ether	"	"	"		12.5	ND	"	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*97.6*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L909259-02**				**Water**	
Diesel Range Hydrocarbons	9100191	10/7/99	10/12/99		50.0	**2410**	ug/l	2
Surrogate: n-Pentacosane	"	"	"	*50.0-150*		*93.1*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L909259-02**				**Water**	
Acenaphthene	9100145	10/5/99	10/11/99		10.0	ND	ug/l	D
Acenaphthylene	"	"	"		10.0	ND	"	D
Anthracene	"	"	"		10.0	ND	"	D
Benzoic acid	"	"	"		20.0	ND	"	D
Benzo (a) anthracene	"	"	"		10.0	ND	"	D
Benzo (b) fluoranthene	"	"	"		10.0	ND	"	D
Benzo (k) fluoranthene	"	"	"		10.0	ND	"	D
Benzo (ghi) perylene	"	"	"		10.0	ND	"	D
Benzo[a]pyrene	"	"	"		10.0	ND	"	D
Benzyl alcohol	"	"	"		10.0	ND	"	D
Bis(2-chloroethoxy)methane	"	"	"		10.0	ND	"	D
Bis(2-chloroethyl)ether	"	"	"		10.0	ND	"	D
Bis(2-chloroisopropyl)ether	"	"	"		10.0	ND	"	D
Bis(2-ethylhexyl)phthalate	"	"	"		20.0	ND	"	D
4-Bromophenyl phenyl ether	"	"	"		10.0	ND	"	D
Butyl benzyl phthalate	"	"	"		10.0	ND	"	D
4-Chloroaniline	"	"	"		20.0	ND	"	D
2-Chloronaphthalene	"	"	"		10.0	ND	"	D
4-Chloro-3-methylphenol	"	"	"		10.0	ND	"	D
2-Chlorophenol	"	"	"		10.0	ND	"	D
4-Chlorophenyl phenyl ether	"	"	"		10.0	ND	"	D
Chrysene	"	"	"		10.0	ND	"	D
Dibenz (a,h) anthracene	"	"	"		10.0	ND	"	D
Dibenzofuran	"	"	"		10.0	ND	"	D
Di-n-butyl phthalate	"	"	"		20.0	ND	"	D
1,2-Dichlorobenzene	"	"	"		10.0	ND	"	D
1,3-Dichlorobenzene	"	"	"		10.0	ND	"	D
1,4-Dichlorobenzene	"	"	"		10.0	ND	"	D
3,3'-Dichlorobenzidine	"	"	"		20.0	ND	"	D
2,4-Dichlorophenol	"	"	"		10.0	ND	"	D
Diethyl phthalate	"	"	"		10.0	ND	"	D
2,4-Dimethylphenol	"	"	"		10.0	**13.6**	"	D
Dimethyl phthalate	"	"	"		10.0	ND	"	D
4,6-Dinitro-2-methylphenol	"	"	"		20.0	ND	"	D
2,4-Dinitrophenol	"	"	"		20.0	ND	"	D
2,4-Dinitrotoluene	"	"	"		10.0	ND	"	D
2,6-Dinitrotoluene	"	"	"		10.0	ND	"	D
Di-n-octyl phthalate	"	"	"		10.0	ND	"	D
Fluoranthene	"	"	"		10.0	ND	"	D
Fluorene	"	"	"		10.0	ND	"	D
Hexachlorobenzene	"	"	"		10.0	ND	"	D

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1 (continued)			**L909259-02**				**Water**	
Hexachlorobutadiene	9100145	10/5/99	10/11/99		10.0	ND	ug/l	D
Hexachlorocyclopentadiene	"	"	"		20.0	ND	"	D
Hexachloroethane	"	"	"		10.0	ND	"	D
Indeno (1,2,3-cd) pyrene	"	"	"		10.0	ND	"	D
Isophorone	"	"	"		10.0	ND	"	D
2-Methylnaphthalene	"	"	"		10.0	**87.4**	"	D
2-Methylphenol	"	"	"		10.0	**26.4**	"	D
4-Methylphenol	"	"	"		10.0	**35.6**	"	D
Naphthalene	"	"	"		10.0	**292**	"	D
2-Nitroaniline	"	"	"		20.0	ND	"	D
3-Nitroaniline	"	"	"		20.0	ND	"	D
4-Nitroaniline	"	"	"		20.0	ND	"	D
Nitrobenzene	"	"	"		10.0	ND	"	D
2-Nitrophenol	"	"	"		10.0	ND	"	D
4-Nitrophenol	"	"	"		20.0	ND	"	D
N-Nitrosodiphenylamine	"	"	"		10.0	ND	"	D
N-Nitrosodi-n-propylamine	"	"	"		10.0	ND	"	D
Pentachlorophenol	"	"	"		20.0	ND	"	D
Phenanthrene	"	"	"		10.0	ND	"	D
Phenol	"	"	"		10.0	ND	"	D
Pyrene	"	"	"		10.0	ND	"	D
1,2,4-Trichlorobenzene	"	"	"		10.0	ND	"	D
2,4,5-Trichlorophenol	"	"	"		20.0	ND	"	D
2,4,6-Trichlorophenol	"	"	"		10.0	ND	"	D
Surrogate: 2-Fluorophenol	"	"	"	*21.0-110*		*61.0*	%	D
Surrogate: Phenol-d6	"	"	"	*10.0-110*		*45.2*	"	D
Surrogate: Nitrobenzene-d5	"	"	"	*35.0-114*		*94.0*	"	D
Surrogate: 2-Fluorobiphenyl	"	"	"	*43.0-116*		*91.5*	"	D
Surrogate: 2,4,6-Tribromophenol	"	"	"	*10.0-123*		*89.5*	"	D
Surrogate: p-Terphenyl-d14	"	"	"	*33.0-141*		*96.0*	"	D

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number: TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager: Deanna Harding	Reported: 10/19/99

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: 9100036	**Date Prepared: 10/8/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100036-BLK1**									
Purgeable Hydrocarbons as Gasoline	10/8/99			**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*		*9.38*	"	*70.0-130*	*93.8*			
LCS	**9100036-BS1**									
Benzene	10/8/99	10.0		8.39	ug/l	70.0-130	83.9			
Toluene	"	10.0		8.34	"	70.0-130	83.4			
Ethylbenzene	"	10.0		8.42	"	70.0-130	84.2			
Xylenes (total)	"	30.0		25.2	"	70.0-130	84.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.64*	"	*70.0-130*	*86.4*			
LCS	**9100036-BS2**									
Purgeable Hydrocarbons as Gasoline	10/8/99	250		246	ug/l	70.0-130	98.4			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.21*	"	*70.0-130*	*72.1*			
Matrix Spike	**9100036-MS1**		**L909258-02**							
Purgeable Hydrocarbons as Gasoline	10/8/99	250	ND	250	ug/l	60.0-140	**100**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.18*	"	*70.0-130*	*81.8*			
Matrix Spike Dup	**9100036-MSD1**		**L909258-02**							
Purgeable Hydrocarbons as Gasoline	10/8/99	250	ND	246	ug/l	60.0-140	**98.4**	25.0	**1.61**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.84*	"	*70.0-130*	*78.4*			
Batch: 9100046	**Date Prepared: 10/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100046-BLK1**									
Purgeable Hydrocarbons as Gasoline	10/11/99			**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*		*9.14*	"	*70.0-130*	*91.4*			
LCS	**9100046-BS1**									
Benzene	10/11/99	10.0		7.97	ug/l	70.0-130	79.7			
Toluene	"	10.0		7.93	"	70.0-130	79.3			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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)	**9100046-BS1**									
Ethylbenzene	10/11/99	10.0		7.96	ug/l	70.0-130	79.6			
Xylenes (total)	"	30.0		23.9	"	70.0-130	79.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.65*	"	*70.0-130*	*86.5*			
LCS	**9100046-BS2**									
Purgeable Hydrocarbons as Gasoline	10/11/99	250		250	ug/l	70.0-130	100			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.62*	"	*70.0-130*	*76.2*			
Matrix Spike	**9100046-MS1**		**L909248-03**							
Purgeable Hydrocarbons as Gasoline	10/11/99	250	ND	244	ug/l	60.0-140	**97.6**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.28*	"	*70.0-130*	*82.8*			
Matrix Spike Dup	**9100046-MSD1**		**L909248-03**							
Purgeable Hydrocarbons as Gasoline	10/12/99	250	ND	235	ug/l	60.0-140	**94.0**	25.0	3.76	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*7.78*	"	*70.0-130*	*77.8*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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: 9090135	**Date Prepared: 9/29/99**				**Extraction Method: EPA 5030B [P/T]**					
Blank	**9090135-BLK1**									
Benzene	9/29/99			ND	ug/l	2.00				
Bromobenzene	"			ND	"	2.00				
Bromochloromethane	"			ND	"	2.00				
Bromodichloromethane	"			ND	"	2.00				
Bromoform	"			ND	"	2.00				
Bromomethane	"			ND	"	5.00				
n-Butylbenzene	"			ND	"	2.00				
sec-Butylbenzene	"			ND	"	2.00				
tert-Butylbenzene	"			ND	"	2.00				
Carbon tetrachloride	"			ND	"	2.00				
Chlorobenzene	"			ND	"	2.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	2.00				
Chloromethane	"			ND	"	5.00				
2-Chlorotoluene	"			ND	"	2.00				
4-Chlorotoluene	"			ND	"	2.00				
Dibromochloromethane	"			ND	"	2.00				
1,2-Dibromoethane	"			ND	"	2.00				
Dibromomethane	"			ND	"	2.00				
1,2-Dibromo-3-chloropropane	"			ND	"	5.00				
1,2-Dichlorobenzene	"			ND	"	2.00				
1,3-Dichlorobenzene	"			ND	"	2.00				
1,4-Dichlorobenzene	"			ND	"	2.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	2.00				
1,2-Dichloroethane	"			ND	"	2.00				
1,1-Dichloroethene	"			ND	"	2.00				
cis-1,2-Dichloroethene	"			ND	"	2.00				
trans-1,2-Dichloroethene	"			ND	"	2.00				
1,2-Dichloropropane	"			ND	"	2.00				
1,3-Dichloropropane	"			ND	"	2.00				
2,2-Dichloropropane	"			ND	"	2.00				
1,1-Dichloropropene	"			ND	"	2.00				
Ethylbenzene	"			ND	"	2.00				
Hexachlorobutadiene	"			ND	"	2.00				
Isopropylbenzene	"			ND	"	2.00				
p-Isopropyltoluene	"			ND	"	2.00				
Methylene chloride	"			ND	"	5.00				
Naphthalene	"			ND	"	5.00				
n-Propylbenzene	"			ND	"	2.00				

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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*
Blank (continued)	9090135-BLK1									
Styrene	9/29/99			ND	ug/l	2.00				
1,1,1,2-Tetrachloroethane	"			ND	"	2.00				
1,1,2,2-Tetrachloroethane	"			ND	"	2.00				
Tetrachloroethene	"			ND	"	2.00				
Toluene	"			ND	"	2.00				
1,2,3-Trichlorobenzene	"			ND	"	2.00				
1,2,4-Trichlorobenzene	"			ND	"	2.00				
1,1,1-Trichloroethane	"			ND	"	2.00				
1,1,2-Trichloroethane	"			ND	"	2.00				
Trichloroethene	"			ND	"	2.00				
Trichlorofluoromethane	"			ND	"	5.00				
1,2,3-Trichloropropane	"			ND	"	2.00				
1,2,4-Trimethylbenzene	"			ND	"	2.00				
1,3,5-Trimethylbenzene	"			ND	"	2.00				
Vinyl chloride	"			ND	"	2.00				
Total Xylenes	"			ND	"	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.5*	"	*76.0-114*	*99.0*			
Surrogate: Toluene-d8	"	*50.0*		*49.2*	"	*88.0-110*	*98.4*			
Surrogate: 4-BFB	"	*50.0*		*48.8*	"	*86.0-115*	*97.6*			
Blank	9090135-BLK2									
Benzene	9/30/99			ND	ug/l	2.00				
Bromobenzene	"			ND	"	2.00				
Bromochloromethane	"			ND	"	2.00				
Bromodichloromethane	"			ND	"	2.00				
Bromoform	"			ND	"	2.00				
Bromomethane	"			ND	"	5.00				
n-Butylbenzene	"			ND	"	2.00				
sec-Butylbenzene	"			ND	"	2.00				
tert-Butylbenzene	"			ND	"	2.00				
Carbon tetrachloride	"			ND	"	2.00				
Chlorobenzene	"			ND	"	2.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	2.00				
Chloromethane	"			ND	"	5.00				
2-Chlorotoluene	"			ND	"	2.00				
4-Chlorotoluene	"			ND	"	2.00				
Dibromochloromethane	"			ND	"	2.00				
1,2-Dibromoethane	"			ND	"	2.00				
Dibromomethane	"			ND	"	2.00				
1,2-Dibromo-3-chloropropane	"			ND	"	5.00				

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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*
Blank (continued)	**9090135-BLK2**									
1,2-Dichlorobenzene	9/30/99			ND	ug/l	2.00				
1,3-Dichlorobenzene	"			ND	"	2.00				
1,4-Dichlorobenzene	"			ND	"	2.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	2.00				
1,2-Dichloroethane	"			ND	"	2.00				
1,1-Dichloroethene	"			ND	"	2.00				
cis-1,2-Dichloroethene	"			ND	"	2.00				
trans-1,2-Dichloroethene	"			ND	"	2.00				
1,2-Dichloropropane	"			ND	"	2.00				
1,3-Dichloropropane	"			ND	"	2.00				
2,2-Dichloropropane	"			ND	"	2.00				
1,1-Dichloropropene	"			ND	"	2.00				
Ethylbenzene	"			ND	"	2.00				
Hexachlorobutadiene	"			ND	"	2.00				
Isopropylbenzene	"			ND	"	2.00				
p-Isopropyltoluene	"			ND	"	2.00				
Methylene chloride	"			ND	"	5.00				
Naphthalene	"			ND	"	5.00				
n-Propylbenzene	"			ND	"	2.00				
Styrene	"			ND	"	2.00				
1,1,1,2-Tetrachloroethane	"			ND	"	2.00				
1,1,2,2-Tetrachloroethane	"			ND	"	2.00				
Tetrachloroethene	"			ND	"	2.00				
Toluene	"			ND	"	2.00				
1,2,3-Trichlorobenzene	"			ND	"	2.00				
1,2,4-Trichlorobenzene	"			ND	"	2.00				
1,1,1-Trichloroethane	"			ND	"	2.00				
1,1,2-Trichloroethane	"			ND	"	2.00				
Trichloroethene	"			ND	"	2.00				
Trichlorofluoromethane	"			ND	"	5.00				
1,2,3-Trichloropropane	"			ND	"	2.00				
1,2,4-Trimethylbenzene	"			ND	"	2.00				
1,3,5-Trimethylbenzene	"			ND	"	2.00				
Vinyl chloride	"			ND	"	2.00				
Total Xylenes	"			ND	"	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.4*	"	*76.0-114*	*94.8*			
Surrogate: Toluene-d8	"	*50.0*		*47.2*	"	*88.0-110*	*94.4*			
Surrogate: 4-BFB	"	*50.0*		*48.6*	"	*86.0-115*	*97.2*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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*
Blank	**9090135-BLK3**									
Benzene	10/4/99			ND	ug/l	2.00				
Bromobenzene	"			ND	"	2.00				
Bromochloromethane	"			ND	"	2.00				
Bromodichloromethane	"			ND	"	2.00				
Bromoform	"			ND	"	2.00				
Bromomethane	"			ND	"	5.00				
n-Butylbenzene	"			ND	"	2.00				
sec-Butylbenzene	"			ND	"	2.00				
tert-Butylbenzene	"			ND	"	2.00				
Carbon tetrachloride	"			ND	"	2.00				
Chlorobenzene	"			ND	"	2.00				
Chloroethane	"			ND	"	5.00				
Chloroform	"			ND	"	2.00				
Chloromethane	"			ND	"	5.00				
2-Chlorotoluene	"			ND	"	2.00				
4-Chlorotoluene	"			ND	"	2.00				
Dibromochloromethane	"			ND	"	2.00				
1,2-Dibromoethane	"			ND	"	2.00				
Dibromomethane	"			ND	"	2.00				
1,2-Dibromo-3-chloropropane	"			ND	"	5.00				
1,2-Dichlorobenzene	"			ND	"	2.00				
1,3-Dichlorobenzene	"			ND	"	2.00				
1,4-Dichlorobenzene	"			ND	"	2.00				
Dichlorodifluoromethane	"			ND	"	5.00				
1,1-Dichloroethane	"			ND	"	2.00				
1,2-Dichloroethane	"			ND	"	2.00				
1,1-Dichloroethene	"			ND	"	2.00				
cis-1,2-Dichloroethene	"			ND	"	2.00				
trans-1,2-Dichloroethene	"			ND	"	2.00				
1,2-Dichloropropane	"			ND	"	2.00				
1,3-Dichloropropane	"			ND	"	2.00				
2,2-Dichloropropane	"			ND	"	2.00				
1,1-Dichloropropene	"			ND	"	2.00				
Ethylbenzene	"			ND	"	2.00				
Hexachlorobutadiene	"			ND	"	2.00				
Isopropylbenzene	"			ND	"	2.00				
p-Isopropyltoluene	"			ND	"	2.00				
Methylene chloride	"			ND	"	5.00				
Naphthalene	"			ND	"	5.00				
n-Propylbenzene	"			ND	"	2.00				
Styrene	"			ND	"	2.00				

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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*
Blank (continued)	**9090135-BLK3**									
1,1,1,2-Tetrachloroethane	10/4/99			**ND**	ug/l	**2.00**				
1,1,2,2-Tetrachloroethane	"			**ND**	"	**2.00**				
Tetrachloroethene	"			**ND**	"	**2.00**				
Toluene	"			**ND**	"	**2.00**				
1,2,3-Trichlorobenzene	"			**ND**	"	**2.00**				
1,2,4-Trichlorobenzene	"			**ND**	"	**2.00**				
1,1,1-Trichloroethane	"			**ND**	"	**2.00**				
1,1,2-Trichloroethane	"			**ND**	"	**2.00**				
Trichloroethene	"			**ND**	"	**2.00**				
Trichlorofluoromethane	"			**ND**	"	**5.00**				
1,2,3-Trichloropropane	"			**ND**	"	**2.00**				
1,2,4-Trimethylbenzene	"			**ND**	"	**2.00**				
1,3,5-Trimethylbenzene	"			**ND**	"	**2.00**				
Vinyl chloride	"			**ND**	"	**2.00**				
Total Xylenes	"			**ND**	"	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.0*	"	*76.0-114*	*106*			
Surrogate: Toluene-d8	"	*50.0*		*50.6*	"	*88.0-110*	*101*			
Surrogate: 4-BFB	"	*50.0*		*49.0*	"	*86.0-115*	*98.0*			
LCS	**9090135-BS1**									
Benzene	9/29/99	50.0		48.5	ug/l	70.0-130	97.0			
Chlorobenzene	"	50.0		47.5	"	70.0-130	95.0			
1,1-Dichloroethene	"	50.0		46.6	"	70.0-130	93.2			
Toluene	"	50.0		46.7	"	70.0-130	93.4			
Trichloroethene	"	50.0		47.3	"	70.0-130	94.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.1*	"	*76.0-114*	*100*			
Surrogate: Toluene-d8	"	*50.0*		*49.2*	"	*88.0-110*	*98.4*			
Surrogate: 4-BFB	"	*50.0*		*46.8*	"	*86.0-115*	*93.6*			
LCS	**9090135-BS2**									
Benzene	9/30/99	50.0		54.7	ug/l	70.0-130	109			
Chlorobenzene	"	50.0		60.8	"	70.0-130	122			
1,1-Dichloroethene	"	50.0		50.2	"	70.0-130	100			
Toluene	"	50.0		55.7	"	70.0-130	111			
Trichloroethene	"	50.0		55.6	"	70.0-130	111			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.4*	"	*76.0-114*	*96.8*			
Surrogate: Toluene-d8	"	*50.0*		*48.4*	"	*88.0-110*	*96.8*			
Surrogate: 4-BFB	"	*50.0*		*48.6*	"	*86.0-115*	*97.2*			
LCS	**9090135-BS3**									
Benzene	10/4/99	50.0		45.5	ug/l	70.0-130	91.0			

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

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*
LCS (continued)	**9090135-BS3**									
Chlorobenzene	10/4/99	50.0		48.1	ug/l	70.0-130	96.2			
1,1-Dichloroethene	"	50.0		44.2	"	70.0-130	88.4			
Toluene	"	50.0		42.8	"	70.0-130	85.6			
Trichloroethene	"	50.0		46.5	"	70.0-130	93.0			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.3*	"	*76.0-114*	*96.6*			
Surrogate: Toluene-d8	"	*50.0*		*46.6*	"	*88.0-110*	*93.2*			
Surrogate: 4-BFB	"	*50.0*		*47.0*	"	*86.0-115*	*94.0*			
Matrix Spike	**9090135-MS1**		**L909254-02**							
Benzene	9/29/99	50.0	ND	48.1	ug/l	60.0-140	**96.2**			
Chlorobenzene	"	50.0	ND	46.8	"	60.0-140	**93.6**			
1,1-Dichloroethene	"	50.0	ND	45.5	"	60.0-140	**91.0**			
Toluene	"	50.0	ND	46.5	"	60.0-140	**93.0**			
Trichloroethene	"	50.0	ND	46.6	"	60.0-140	**93.2**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.2*	"	*76.0-114*	*96.4*			
Surrogate: Toluene-d8	"	*50.0*		*48.7*	"	*88.0-110*	*97.4*			
Surrogate: 4-BFB	"	*50.0*		*48.2*	"	*86.0-115*	*96.4*			
Matrix Spike Dup	**9090135-MSD1**		**L909254-02**							
Benzene	9/29/99	50.0	ND	47.6	ug/l	60.0-140	**95.2**	25.0	**1.04**	
Chlorobenzene	"	50.0	ND	46.6	"	60.0-140	**93.2**	25.0	**0.428**	
1,1-Dichloroethene	"	50.0	ND	46.9	"	60.0-140	**93.8**	25.0	**3.03**	
Toluene	"	50.0	ND	46.0	"	60.0-140	**92.0**	25.0	**1.08**	
Trichloroethene	"	50.0	ND	46.5	"	60.0-140	**93.0**	25.0	**0.215**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.2*	"	*76.0-114*	*96.4*			
Surrogate: Toluene-d8	"	*50.0*		*49.0*	"	*88.0-110*	*98.0*			
Surrogate: 4-BFB	"	*50.0*		*47.3*	"	*86.0-115*	*94.6*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Volatile Organic Oxygenated 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: 9090136	**Date Prepared: 9/29/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9090136-BLK1**									
Ethanol	9/29/99			ND	ug/l	1000				
Tert-butyl alcohol	"			ND	"	200				
Methyl tert-butyl ether	"			ND	"	2.00				
Di-isopropyl ether	"			ND	"	2.00				
Ethyl tert-butyl ether	"			ND	"	2.00				
Tert-amyl methyl ether	"			ND	"	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.8*	"	*76.0-114*	*95.6*			
Blank	**9090136-BLK2**									
Ethanol	9/29/99			ND	ug/l	1000				
Tert-butyl alcohol	"			ND	"	200				
Methyl tert-butyl ether	"			ND	"	2.00				
Di-isopropyl ether	"			ND	"	2.00				
Ethyl tert-butyl ether	"			ND	"	2.00				
Tert-amyl methyl ether	"			ND	"	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.8*	"	*76.0-114*	*108*			
Blank	**9090136-BLK3**									
Ethanol	9/30/99			ND	ug/l	1000				
Tert-butyl alcohol	"			ND	"	200				
Methyl tert-butyl ether	"			ND	"	2.00				
Di-isopropyl ether	"			ND	"	2.00				
Ethyl tert-butyl ether	"			ND	"	2.00				
Tert-amyl methyl ether	"			ND	"	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.4*	"	*76.0-114*	*103*			
LCS	**9090136-BS1**									
Methyl tert-butyl ether	9/29/99	50.0		40.3	ug/l	70.0-130	80.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.9*	"	*76.0-114*	*99.8*			
LCS	**9090136-BS2**									
Methyl tert-butyl ether	9/29/99	50.0		44.1	ug/l	70.0-130	88.2			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.7*	"	*76.0-114*	*107*			
LCS	**9090136-BS3**									
Methyl tert-butyl ether	9/30/99	50.0		48.3	ug/l	70.0-130	96.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*55.5*	"	*76.0-114*	*111*			
Matrix Spike	**9090136-MS1**		**L909253-02**							
Methyl tert-butyl ether	9/29/99	50.0	ND	38.9	ug/l	60.0-140	**77.8**			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Volatile Organic Oxygenated 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*
Matrix Spike (continued)	**9090136-MS1**		**L909253-02**							
Surrogate: 1,2-Dichloroethane-d4	*9/29/99*	*50.0*		*52.2*	*ug/l*	*76.0-114*	*104*			
Matrix Spike Dup	**9090136-MSD1**		**L909253-02**							
Methyl tert-butyl ether	9/29/99	50.0	ND	41.2	ug/l	60.0-140	**82.4**	25.0	**5.74**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.8*	"	*76.0-114*	*104*			
Batch: 9090143	**Date Prepared: 9/30/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9090143-BLK1**									
Ethanol	9/30/99			**ND**	ug/l	**1000**				
Tert-butyl alcohol	"			**ND**	"	**200**				
Methyl tert-butyl ether	"			**ND**	"	**2.00**				
Di-isopropyl ether	"			**ND**	"	**2.00**				
Ethyl tert-butyl ether	"			**ND**	"	**2.00**				
Tert-amyl methyl ether	"			**ND**	"	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.4*	"	*76.0-114*	*103*			
Blank	**9090143-BLK2**									
Ethanol	10/4/99			**ND**	ug/l	**1000**				
Tert-butyl alcohol	"			**ND**	"	**200**				
Methyl tert-butyl ether	"			**ND**	"	**2.00**				
Di-isopropyl ether	"			**ND**	"	**2.00**				
Ethyl tert-butyl ether	"			**ND**	"	**2.00**				
Tert-amyl methyl ether	"			**ND**	"	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*46.9*	"	*76.0-114*	*93.8*			
LCS	**9090143-BS1**									
Methyl tert-butyl ether	9/30/99	50.0		48.3	ug/l	70.0-130	96.6			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*55.5*	"	*76.0-114*	*111*			
LCS	**9090143-BS2**									
Methyl tert-butyl ether	10/4/99	50.0		41.2	ug/l	70.0-130	82.4			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*48.1*	"	*76.0-114*	*96.2*			
Matrix Spike	**9090143-MS1**		**L909273-02**							
Methyl tert-butyl ether	9/30/99	50.0	23.2	64.7	ug/l	60.0-140	**83.0**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*53.6*	"	*76.0-114*	*107*			
Matrix Spike Dup	**9090143-MSD1**		**L909273-02**							
Methyl tert-butyl ether	9/30/99	50.0	23.2	66.6	ug/l	60.0-140	**86.8**	25.0	**4.48**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.1*	"	*76.0-114*	*108*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100191	**Date Prepared: 10/7/99**					**Extraction Method: EPA 3510B**				
Blank	**9100191-BLK1**									
Diesel Range Hydrocarbons	10/12/99			**ND**	mg/l	**0.0500**				
Surrogate: n-Pentacosane	"	*0.100*		*0.0926*	"	*50.0-150*	*92.6*			
LCS	**9100191-BS1**									
Diesel Range Hydrocarbons	10/12/99	1.00		0.870	mg/l	60.0-140	87.0			
Surrogate: n-Pentacosane	"	*0.100*		*0.0999*	"	*50.0-150*	*99.9*			
LCS Dup	**9100191-BSD1**									
Diesel Range Hydrocarbons	10/12/99	1.00		0.823	mg/l	60.0-140	82.3	50.0	5.55	
Surrogate: n-Pentacosane	"	*0.100*		*0.103*	"	*50.0-150*	*103*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100145	**Date Prepared: 10/5/99**					**Extraction Method: EPA 3510B**				
Blank	**9100145-BLK1**									
Acenaphthene	10/9/99			ND	ug/l	5.00				
Acenaphthylene	"			ND	"	5.00				
Anthracene	"			ND	"	5.00				
Benzoic acid	"			ND	"	10.0				
Benzo (a) anthracene	"			ND	"	5.00				
Benzo (b) fluoranthene	"			ND	"	5.00				
Benzo (k) fluoranthene	"			ND	"	5.00				
Benzo (ghi) perylene	"			ND	"	5.00				
Benzo[a]pyrene	"			ND	"	5.00				
Benzyl alcohol	"			ND	"	5.00				
Bis(2-chloroethoxy)methane	"			ND	"	5.00				
Bis(2-chloroethyl)ether	"			ND	"	5.00				
Bis(2-chloroisopropyl)ether	"			ND	"	5.00				
Bis(2-ethylhexyl)phthalate	"			ND	"	10.0				
4-Bromophenyl phenyl ether	"			ND	"	5.00				
Butyl benzyl phthalate	"			ND	"	5.00				
4-Chloroaniline	"			ND	"	10.0				
2-Chloronaphthalene	"			ND	"	5.00				
4-Chloro-3-methylphenol	"			ND	"	5.00				
2-Chlorophenol	"			ND	"	5.00				
4-Chlorophenyl phenyl ether	"			ND	"	5.00				
Chrysene	"			ND	"	5.00				
Dibenz (a,h) anthracene	"			ND	"	5.00				
Dibenzofuran	"			ND	"	5.00				
Di-n-butyl phthalate	"			ND	"	10.0				
1,2-Dichlorobenzene	"			ND	"	5.00				
1,3-Dichlorobenzene	"			ND	"	5.00				
1,4-Dichlorobenzene	"			ND	"	5.00				
3,3'-Dichlorobenzidine	"			ND	"	10.0				
2,4-Dichlorophenol	"			ND	"	5.00				
Diethyl phthalate	"			ND	"	5.00				
2,4-Dimethylphenol	"			ND	"	5.00				
Dimethyl phthalate	"			ND	"	5.00				
4,6-Dinitro-2-methylphenol	"			ND	"	10.0				
2,4-Dinitrophenol	"			ND	"	10.0				
2,4-Dinitrotoluene	"			ND	"	5.00				
2,6-Dinitrotoluene	"			ND	"	5.00				
Di-n-octyl phthalate	"			ND	"	5.00				
Fluoranthene	"			ND	"	5.00				
Fluorene	"			ND	"	5.00				

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**9100145-BLK1**									
Hexachlorobenzene	10/9/99			ND	ug/l	5.00				
Hexachlorobutadiene	"			ND	"	5.00				
Hexachlorocyclopentadiene	"			ND	"	10.0				
Hexachloroethane	"			ND	"	5.00				
Indeno (1,2,3-cd) pyrene	"			ND	"	5.00				
Isophorone	"			ND	"	5.00				
2-Methylnaphthalene	"			ND	"	5.00				
2-Methylphenol	"			ND	"	5.00				
4-Methylphenol	"			ND	"	5.00				
Naphthalene	"			ND	"	5.00				
2-Nitroaniline	"			ND	"	10.0				
3-Nitroaniline	"			ND	"	10.0				
4-Nitroaniline	"			ND	"	10.0				
Nitrobenzene	"			ND	"	5.00				
2-Nitrophenol	"			ND	"	5.00				
4-Nitrophenol	"			ND	"	10.0				
N-Nitrosodiphenylamine	"			ND	"	5.00				
N-Nitrosodi-n-propylamine	"			ND	"	5.00				
Pentachlorophenol	"			ND	"	10.0				
Phenanthrene	"			ND	"	5.00				
Phenol	"			ND	"	5.00				
Pyrene	"			ND	"	5.00				
1,2,4-Trichlorobenzene	"			ND	"	5.00				
2,4,5-Trichlorophenol	"			ND	"	10.0				
2,4,6-Trichlorophenol	"			ND	"	5.00				
Surrogate: 2-Fluorophenol	"	*200*		*128*	"	*21.0-110*	*64.0*			
Surrogate: Phenol-d6	"	*200*		*104*	"	*10.0-110*	*52.0*			
Surrogate: Nitrobenzene-d5	"	*200*		*180*	"	*35.0-114*	*90.0*			
Surrogate: 2-Fluorobiphenyl	"	*200*		*172*	"	*43.0-116*	*86.0*			
Surrogate: 2,4,6-Tribromophenol	"	*200*		*135*	"	*10.0-123*	*67.5*			
Surrogate: p-Terphenyl-d14	"	*200*		*117*	"	*33.0-141*	*58.5*			
LCS	**9100145-BS1**									
Acenaphthene	10/9/99	200		159	ug/l	46.0-118	79.5			
4-Chloro-3-methylphenol	"	200		182	"	23.0-97.0	91.0			
2-Chlorophenol	"	200		161	"	27.0-123	80.5			
1,4-Dichlorobenzene	"	200		150	"	36.0-97.0	75.0			
2,4-Dinitrotoluene	"	200		145	"	24.0-96.0	72.5			
4-Nitrophenol	"	200		77.6	"	10.0-80.0	38.8			
N-Nitrosodi-n-propylamine	"	200		200	"	41.0-116	100			
Pentachlorophenol	"	200		128	"	9.00-103	64.0			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Semivolatile Organic Compounds by EPA Method 8270B/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**9100145-BS1**									
Phenol	10/9/99	200		116	ug/l	12.0-110	58.0			
Pyrene	"	200		175	"	26.0-127	87.5			
1,2,4-Trichlorobenzene	"	200		177	"	39.0-98.0	88.5			
Surrogate: 2-Fluorophenol	"	*200*		*138*	"	*21.0-110*	*69.0*			
Surrogate: Phenol-d6	"	*200*		*112*	"	*10.0-110*	*56.0*			
Surrogate: Nitrobenzene-d5	"	*200*		*198*	"	*35.0-114*	*99.0*			
Surrogate: 2-Fluorobiphenyl	"	*200*		*171*	"	*43.0-116*	*85.5*			
Surrogate: 2,4,6-Tribromophenol	"	*200*		*163*	"	*10.0-123*	*81.5*			
Surrogate: p-Terphenyl-d14	"	*200*		*103*	"	*33.0-141*	*51.5*			
LCS Dup	**9100145-BSD1**									
Acenaphthene	10/9/99	200		150	ug/l	46.0-118	75.0	30.0	5.83	
4-Chloro-3-methylphenol	"	200		178	"	23.0-97.0	89.0	30.0	2.22	
2-Chlorophenol	"	200		157	"	27.0-123	78.5	30.0	2.52	
1,4-Dichlorobenzene	"	200		146	"	36.0-97.0	73.0	30.0	2.70	
2,4-Dinitrotoluene	"	200		139	"	24.0-96.0	69.5	30.0	4.23	
4-Nitrophenol	"	200		80.7	"	10.0-80.0	40.3	30.0	3.79	
N-Nitrosodi-n-propylamine	"	200		194	"	41.0-116	97.0	30.0	3.05	
Pentachlorophenol	"	200		123	"	9.00-103	61.5	30.0	3.98	
Phenol	"	200		115	"	12.0-110	57.5	30.0	0.866	
Pyrene	"	200		163	"	26.0-127	81.5	30.0	7.10	
1,2,4-Trichlorobenzene	"	200		166	"	39.0-98.0	83.0	30.0	6.41	
Surrogate: 2-Fluorophenol	"	*200*		*125*	"	*21.0-110*	*62.5*			
Surrogate: Phenol-d6	"	*200*		*106*	"	*10.0-110*	*53.0*			
Surrogate: Nitrobenzene-d5	"	*200*		*180*	"	*35.0-114*	*90.0*			
Surrogate: 2-Fluorobiphenyl	"	*200*		*158*	"	*43.0-116*	*79.0*			
Surrogate: 2,4,6-Tribromophenol	"	*200*		*153*	"	*10.0-123*	*76.5*			
Surrogate: p-Terphenyl-d14	"	*200*		*91.0*	"	*33.0-141*	*45.5*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/28/99
6747 Sierra Court, Suite D	Project Number:	TOSCO (76) SS#1156, 180225.85	Received: 9/28/99
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 10/19/99

Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Gasoline C6-C12
2	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
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

Chain-of-Custody-Record

TOSCO

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

909259

Facility Number: TOSCO (76) SS#1156
Facility Address: 4276 MACARTHUR, OAKLAND CA
Consultant Project Number: 180225.85
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 DEWITT
(Phone): (925) 277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): Vartles Tashjian
Collection Date: 9/28/99
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 (TCLP or AA)	HVOC's by 8260	SVOC's by 8270	8260 (5) Oxy-Comp.			DO NOT BILL TB-LB ANALYSIS / Remarks
TB-LB	01	1	W	G		HC	Y	X													"5 oxygenate No Ethanol"
MW-1	02	11	"	"	12:25 PM	"	"	X	X							X	X	X			
MW-2	03	5	"	"	10:25 AM	"	"	X										X			
MW-3	04	5	"	"	11:40 AM	"	"	X										X			
MW-4	05	5	"	"	11:05 AM	"	"	X										X			

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	9/28/99 2:40 PM	2:40 (S.C)	SEQUOIA S.C.	9/28/99 2:40
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