



GETTLER-RYAN INC.

TRANSMITTAL

October 17, 2000

G-R-180255

RECEIVED
PROJECT 31 PM 4:09

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

CC: Mr. David Vossler
Gettler-Ryan Inc.
Petaluma, California

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

RE: Tosco (76) SS #4625
3070 Fruitvale Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 5, 2000	Groundwater Monitoring and Sampling Report Third Quarter - Event of July 28, 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 **October 27, 2000**, this report will be distributed to the following:

Enclosure

cc: Mr. Don Hwang, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, California 94502

trans/4625.dbd



GETTLER-RYAN INC.

October 5, 2000
G-R Job #180255

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
Tosco (76) Service Station #4625
3070 Fruitvale Avenue
Oakland, California

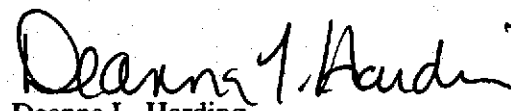
Dear Mr. De Witt:


This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On July 28, 2000, field personnel monitored and sampled four wells (MW-1 through MW-4) and monitored the UST Observation Well 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 any of 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
Project Coordinator


Stephen J. Carter
Senior Geologist, R.G. No. 5577

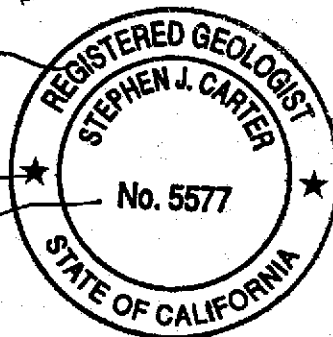
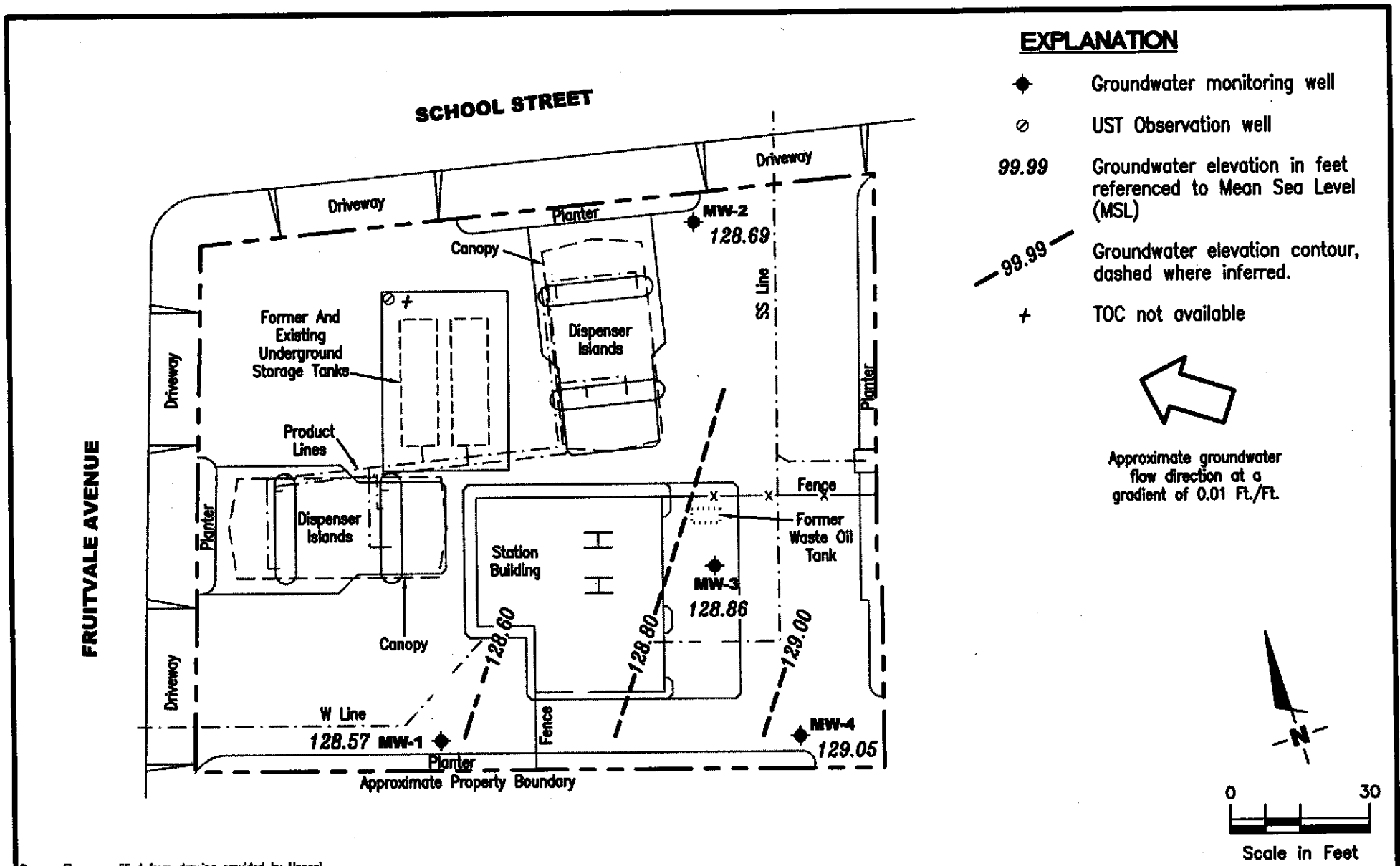


Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

4625.qml



Source: Figure modified from drawing provided by Unocal.



Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #4625
3070 Fruitvale Avenue
Oakland, California

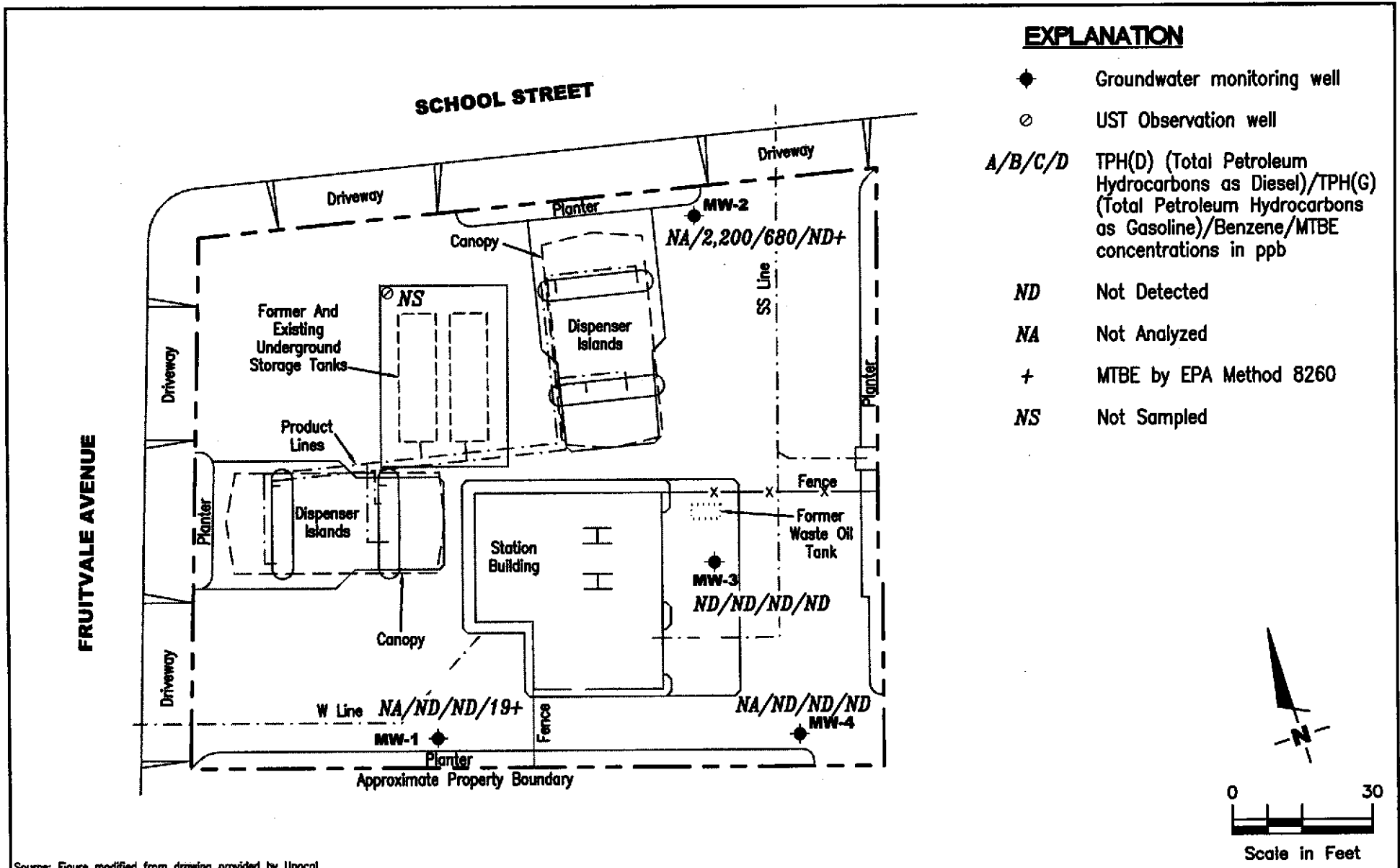
FIGURE
1

PROJECT NUMBER
180255

REVIEWED BY

DATE
July 28, 2000

REVISED DATE



Source: Figure modified from drawing provided by Unocal.



Gettler - Ryan Inc.

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

CONCENTRATION MAP
 Tosco (Unocal) Service Station #4625
 3070 Fruitvale Avenue
 Oakland, California

FIGURE

2

PROJECT NUMBER
180255

REVIEWED BY

DATE
July 28, 2000

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (76) Service Station #4625
 3070 Fruitvale Avenue
 Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.L. (ft. bgs.)	GWE (msl)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											
136.36	05/03/00	11.81	5.0-25.0	124.55	--	ND	ND	ND	ND	ND	11/14 ²
	07/28/00	7.79		128.57	--	ND	ND	ND	ND	ND	21/19 ²
MW-2											
138.64	05/03/00	8.59	5.0-25.0	130.05	--	2,400 ¹	53	ND ³	ND ³	240	³ ND/ND ²
	07/28/00	9.95		128.69	--	2,200 ¹	680	4.1	57	270	24/ND ²
MW-3											
137.68	05/03/00	7.60	5.0-25.0	130.08	93 ⁵	ND	ND	ND	ND	ND	ND/ND ⁴
	07/28/00	8.82		128.86	ND ³	ND	ND	ND	ND	ND	ND/ND ⁴
MW-4											
136.60	05/03/00	6.48	5.0-25.0	130.12	--	ND	ND	ND	ND	ND	ND/ND ²
	07/28/00	7.55		129.05	--	ND	ND	ND	ND	ND	ND
UST OBSERVATION WELL											
	05/03/00	8.00		--	--	--	--	--	--	--	--
	07/28/00	9.28		--	--	--	--	--	--	--	--
Trip Blank											
TB-LB	05/03/00	--		--	--	ND	ND	ND	ND	ND	ND
	07/28/00	--		--	--	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (76) Service Station #4625
3070 Fruitvale Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet

S.I. = Screen Interval
(ft. bgs.) = Feet Below Ground Surface

GWE = Groundwater Elevation
(msl) = Mean sea level

TPH(G) = Total Petroleum Hydrocarbons as Gasoline

TPH(D) = Total Petroleum Hydrocarbons as Diesel

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 were surveyed based on a cut square on School Street, City of Oakland Benchmark No. 3783, (Elevation = 136.99 feet msl).

¹ Laboratory report indicates gasoline C6-C12.

² MTBE by EPA Method 8260.

³ Detection limit raised. Refer to analytical reports.

⁴ MTBE by EPA Method 8240.

⁵ Laboratory report indicates unidentified hydrocarbons C9-C24.

Table 2
Groundwater Analytical Results
 Tosco (76) Service Station #4625
 3070 Fruitvale Avenue
 Oakland, California

WELL ID	DATE	VOCs (ppb)	SVOCs (ppb)	Chromium (ppm)	TOG (ppm)
MW-3	05/03/00	ND	ND	ND	ND
	07/28/00	ND ¹	ND	1.8	ND

EXPLANATIONS:

VOCs = Volatile Organic Compounds
 SVOCs = Semi-Volatile Organic Compounds
 TOG = Total Oil and Grease
 ppb = Parts per billion
 ppm = Parts per million
 ND = Not Detected

¹ All VOC's by EPA Method 8240 were ND, except for Tetrachloroethene was detected at 2.7 ppb.

ANALYTICAL METHODS:

EPA Method 8240B for VOCs
 EPA Method 8270B for SVOCs
 EPA 200 Series Methods for Chromium

All EPA Method 8240 and 8270 constituents were ND, unless noted.

Table 3
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (76) Service Station #4625
 3070 Fruitvale Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3	07/28/00 ¹	--	ND	ND	ND	ND	ND	ND	ND

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = Ethylene dibromide
 ppb = Parts per billion
 -- = Not Analyzed
 ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

¹ VOCs by EPA Method 8240.

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 TOSCO 76 # 4625
Address: 3070 Fruitvale Ave
City: OAKLAND, CA

Job#: 180255
Date: 7/28/00
Sampler: H-KEVOBK

Well ID MW-1
Well Diameter 2 in.
Total Depth 25.06 ft.
Depth to Water 7.79 ft.

Well Condition: OK
Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

17.27 x VF 0.17 = 2.9 x 3 (case volume) = Estimated Purge Volume: 8.7 (gal.)

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

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

Starting Time: 11:30
Sampling Time: 11:52
Purging Flow Rate: ~1 gpm.
Did well de-water? NO

Weather Conditions: SUNNY
Water Color: CLEAR Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:33</u>	<u>3</u>	<u>6.93</u>	<u>1068</u>	<u>74.2</u>			
	<u>6</u>	<u>6.86</u>	<u>1025</u>	<u>76.3</u>			
<u>11:40</u>	<u>9</u>	<u>6.88</u>	<u>1002</u>	<u>75.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 VOA'S</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>GIBTEX/MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility: TOSCO 76 # 4625 Job#: 180255
 Address: 3070 Fruitvale Ave Date: 7/28/00
 City: OAKLAND, CA Sampler: H. KEVORK

Well ID: MW-2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed: Ø (Gallons)
 Total Depth: 24.28 ft. Volume Factor (VF):
 Depth to Water: 9.95 ft.

2" = 0.17	3" = 0.38	4" = 0.66
6" = 1.50	12" = 5.80	

14.33 x VF 0.17 = 2.4 x 3 (case volume) = Estimated Purge Volume: 7.2 (gal.)

Purge Equipment: Disposable Bailer
 Stack
 Suction
 Grundfos
 Other: _____
 Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 12:07 Weather Conditions: SUNNY
 Sampling Time: 12:30 Water Color: CLOUDY Odor: _____
 Purging Flow Rate: ~1 gpm. Sediment Description: _____
 Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:09</u>	<u>2.5</u>	<u>6.56</u>	<u>190</u>	<u>75.3</u>			
	<u>5</u>	<u>6.52</u>	<u>152</u>	<u>74.5</u>			
<u>12:15</u>	<u>7</u>	<u>6.50</u>	<u>164</u>	<u>74.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 VOA'S</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBIS</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/
Facility TOSCO 76 # 4625
Address: 3070 Fruitvale Ave
City: OAKLAND, CA

Job#: 180255
Date: 7/28/00
Sampler: H. KEVORR

Well ID MW-3

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: Ø (feet) Amount Bailed Ø (Gallons)

Total Depth 24.73 ft.

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

Depth to Water 8.82 ft.

15.91 x VF 0.17 - 2.7 x 3 (case volume) = Estimated Purge Volume: 8.1 (gal.)

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

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

Starting Time: 10:56
Sampling Time: 11:15
Purging Flow Rate: ~1 gpm.
Did well de-water? NO

Weather Conditions: SUNNY
Water Color: CLOUDY Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>10:59</u>	<u>3</u>	<u>6.40</u>	<u>552</u>	<u>75.1</u>			
	<u>6</u>	<u>6.65</u>	<u>520</u>	<u>74.2</u>			
<u>11:06</u>	<u>8</u>	<u>6.62</u>	<u>508</u>	<u>73.8</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>4 VOA'S</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE/8240</u>
	<u>2 AMBEA</u>	<u>Y</u>	<u>NO / HCL</u>	<u>//</u>	<u>TPH-D / TDG</u>
	<u>1.500ML PLASTIC</u>	<u>Y</u>	<u>HNO3</u>	<u>//</u>	<u>TOTAL CHROMIUM</u>
<u>✓</u>	<u>1 AMBEA</u>	<u>Y</u>		<u>//</u>	<u>8240</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility: TOSCO 76 # 4625 Job#: 180255
 Address: 3070 Fruitvale Ave Date: 7/28/00
 City: OAKLAND, CA Sampler: H. KEVORK

Well ID: MW-4 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed: Ø (Gallons)
 Total Depth: 24.65 ft. Volume Factor (VF):
 Depth to Water: 17.55 ft. 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

17.10 x VF 0.17 = 2.9 X 3 (case volume) = Estimated Purge Volume: 8.1 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: _____
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 10:20 Weather Conditions: SUNNY
 Sampling Time: 10:43 Water Color: CLEAR Odor: _____
 Purging Flow Rate: ~1 gpm. Sediment Description: _____
 Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>10:23</u>	<u>3</u>	<u>6.48</u>	<u>915</u>	<u>13.8</u>			
	<u>6</u>	<u>6.45</u>	<u>956</u>	<u>12.9</u>			
<u>10:31</u>	<u>9</u>	<u>6.41</u>	<u>948</u>	<u>13.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3 VOA</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>

COMMENTS: _____



Tosco Marketing Company
2020 Capri Canyon Pl., Ste. 420
San Ramon, California 94583

Facility Number TOSCO SS #4625
 Facility Address 3070 FRUITVALE AVE., OAKLAND, CA
 Consultant Project Number 180255
 Consultant Name Gettler-Ryan Inc. (G-R Inc.)
 Address 6747 Sierra Court, Suite J, Dublin, CA 94568
 Project Contact (Name) Deanna L. Harding
 (Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Contact (Name) Mr. David De Witt
 (Phone) (925) 277-2384
 Laboratory Name Sequoia Analytical
 Laboratory Release Number W07/99
 Samples Collected by (Name) HAIG KEVORK
 Collection Date 7/28/2000
 Signature [Signature]

DO NOT BILL
TB-LB ANALYSIS

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iod (Yes or No)	Analyses To Be Performed											Remarks				
								TPH 0.5+ BTEX W/ATBE (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 (3019 or AA)	TOTAL CHROMIUM	Oxys (4) (2, 4, 6, 8)						
TB-LB	OIA	1	W	G		HCL	YES	✓															
MW-1	OIA	3	W	G	11:52	HCL		✓															
MW-2	OIA	3	W	G	12:30	HCL		✓															
MW-3	OIA-H	8	W	G	11:15	4 VOLS		✓	✓	✓			✓	✓		✓	✓						
MW-4	OIA	3	W	G	10:43	HCL	✓	✓															

Retrieved By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice), 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Retrieved By (Signature) <u>[Signature]</u>	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Retrieved By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>INC</u> <u>[Signature]</u>		Date/Time <u>7/28/00</u> <u>14:15</u>	



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

15 August, 2000

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

RE: Tosco
Sequoia Report W007599

Enclosed are the results of analyses for samples received by the laboratory on 28-Jul-00 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W007599-01	Water	28-Jul-00 00:00	28-Jul-00 14:15
MW-1	W007599-02	Water	28-Jul-00 11:52	28-Jul-00 14:15
MW-2	W007599-03	Water	28-Jul-00 12:30	28-Jul-00 14:15
MW-3	W007599-04	Water	28-Jul-00 11:15	28-Jul-00 14:15
MW-4	W007599-05	Water	28-Jul-00 10:43	28-Jul-00 14:15





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**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 (W007599-01) Water Sampled: 28-Jul-00 00:00 Received: 28-Jul-00 14:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	0H03001	03-Aug-00	03-Aug-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	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.3 %	70-130		"	"	"	"	
MW-1 (W007599-02) Water Sampled: 28-Jul-00 11:52 Received: 28-Jul-00 14:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	0H03001	03-Aug-00	03-Aug-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	21	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		87.7 %	70-130		"	"	"	"	
MW-2 (W007599-03) Water Sampled: 28-Jul-00 12:30 Received: 28-Jul-00 14:15- P-01									
Purgeable Hydrocarbons	2200	250	ug/l	5	0H03001	03-Aug-00	03-Aug-00	EPA 8015M/8020	
Benzene	680	2.5	"	"	"	"	"	"	
Toluene	4.1	2.5	"	"	"	"	"	"	
Ethylbenzene	57	2.5	"	"	"	"	"	"	
Xylenes (total)	270	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	24	13	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		116 %	70-130		"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**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 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	0H03001	03-Aug-00	03-Aug-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	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.7 %		70-130	"	"	"	"	
MW-4 (W007599-05) Water Sampled: 28-Jul-00 10:43 Received: 28-Jul-00 14:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	0H03001	03-Aug-00	03-Aug-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	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %		70-130	"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Diesel Range Hydrocarbons	ND	100	ug/l	1	0H09011	09-Aug-00	13-Aug-00	EPA 8015M	
Surrogate: <i>n</i> -Pentacosane		88.1 %	50-150		"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**MTBE Confirmation by EPA Method 8260A
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007599-02) Water Sampled: 28-Jul-00 11:52 Received: 28-Jul-00 14:15									
Methyl tert-butyl ether	19	2.0	ug/l	1	0H09016	09-Aug-00	09-Aug-00	EPA 8260B	
Surrogate: Dibromofluoromethane		110 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	50-150		"	"	"	"	
MW-2 (W007599-03) Water Sampled: 28-Jul-00 12:30 Received: 28-Jul-00 14:15									
Methyl tert-butyl ether	ND	2.0	ug/l	1	0H09016	09-Aug-00	09-Aug-00	EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	50-150		"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Total Metals by EPA 200 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Chromium	1.8	0.010	mg/l	1	0H07006	07-Aug-00	08-Aug-00	EPA 200.7	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Volatile Organic Compounds by EPA Method 8240B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Chloromethane	ND	2.0	ug/l	1	0H01017	03-Aug-00	04-Aug-00	EPA 8240B	
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Acetone	ND	10	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Vinyl acetate	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
2-Butanone	ND	10	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
2,2,5,5-Tetramethyltetrahydrofuran	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	2.7	2.0	"	"	"	"	"	"	
2-Hexanone	ND	10	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Total Xylenes	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Volatile Organic Compounds by EPA Method 8240B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
1,3-Dichlorobenzene	ND	2.0	ug/l	1	0H01017	03-Aug-00	04-Aug-00	EPA 8240B	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.0 %	50-150		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	50-150		"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Semivolatile Organic Compounds by EPA Method 8270B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Acenaphthene	ND	5.0	ug/l	1	0H01009	01-Aug-00	03-Aug-00	EPA 8270B	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Aniline	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	5.0	"	"	"	"	"	"	
Benzo[a]pyrene	ND	5.0	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	

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.





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

Semivolatile Organic Compounds by EPA Method 8270B Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Di-n-octyl phthalate	ND	5.0	ug/l	1	0H01009	01-Aug-00	03-Aug-00	EPA 8270B	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	10	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		40.3 %		21-110	"	"	"	"	
Surrogate: Phenol-d6		27.3 %		10-110	"	"	"	"	
Surrogate: Nitrobenzene-d5		74.9 %		35-114	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		77.2 %		43-116	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		63.7 %		10-123	"	"	"	"	
Surrogate: p-Terphenyl-d14		45.0 %		33-141	"	"	"	"	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
TRPH	ND	5.0	mg/l	1	0H10013	10-Aug-00	10-Aug-00	SM 5520B/F	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

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 0H03001 - EPA 5030B [P/T]									
Blank (0H03001-BLK1) Prepared & Analyzed: 03-Aug-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: <i>a,a,a</i> -Trifluorotoluene	29.5		"	30.0		98.3	70-130		
LCS (0H03001-BS1) Prepared & Analyzed: 03-Aug-00									
Benzene	17.4	0.50	ug/l	20.0		87.0	70-130		
Toluene	19.5	0.50	"	20.0		97.5	70-130		
Ethylbenzene	17.8	0.50	"	20.0		89.0	70-130		
Xylenes (total)	64.3	0.50	"	60.0		107	70-130		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	26.0		"	30.0		86.7	70-130		
Matrix Spike (0H03001-MS1) Source: W007590-02 Prepared & Analyzed: 03-Aug-00									
Benzene	17.6	0.50	ug/l	20.0	ND	88.0	70-130		
Toluene	19.4	0.50	"	20.0	ND	97.0	70-130		
Ethylbenzene	22.4	0.50	"	20.0	ND	112	70-130		
Xylenes (total)	63.4	0.50	"	60.0	ND	106	70-130		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	25.3		"	30.0		84.3	70-130		
Matrix Spike Dup (0H03001-MSD1) Source: W007590-02 Prepared & Analyzed: 03-Aug-00									
Benzene	17.4	0.50	ug/l	20.0	ND	87.0	70-130	1.14	20
Toluene	19.2	0.50	"	20.0	ND	96.0	70-130	1.04	20
Ethylbenzene	21.1	0.50	"	20.0	ND	106	70-130	5.98	20
Xylenes (total)	61.9	0.50	"	60.0	ND	103	70-130	2.39	20
Surrogate: <i>a,a,a</i> -Trifluorotoluene	25.6		"	30.0		85.3	70-130		





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 0H09011 - EPA 3510B									
Blank (0H09011-BLK1)					Prepared: 09-Aug-00 Analyzed: 14-Aug-00				
Diesel Range Hydrocarbons	ND	50	ug/l						
Surrogate: <i>n</i> -Pentacosane	23.0		"	33.3		69.1		50-150	
LCS (0H09011-BS1)					Prepared: 09-Aug-00 Analyzed: 14-Aug-00				
Diesel Range Hydrocarbons	312	50	ug/l	500		62.4		60-140	
Surrogate: <i>n</i> -Pentacosane	28.3		"	33.3		85.0		50-150	
LCS Dup (0H09011-BSD1)					Prepared: 09-Aug-00 Analyzed: 14-Aug-00				
Diesel Range Hydrocarbons	293	50	ug/l	500		58.6	6.28	60-140	50 Q-01
Surrogate: <i>n</i> -Pentacosane	26.7		"	33.3		80.2		50-150	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**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 0H09016 - EPA 5030B [P/T]										
Blank (0H09016-BLK1)										
Prepared: 08-Aug-00 Analyzed: 09-Aug-00										
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	53.0		"	50.0		106	50-150			
Surrogate: 1,2-Dichloroethane-d4	53.0		"	50.0		106	50-150			
Blank (0H09016-BLK2)										
Prepared & Analyzed: 09-Aug-00										
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	52.0		"	50.0		104	50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100	50-150			
LCS (0H09016-BS1)										
Prepared & Analyzed: 08-Aug-00										
Methyl tert-butyl ether	43.6	2.0	ug/l	50.0		87.2	70-130			
Surrogate: Dibromofluoromethane	49.0		"	50.0		98.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	44.0		"	50.0		88.0	50-150			
LCS Dup (0H09016-BSD1)										
Prepared: 08-Aug-00 Analyzed: 09-Aug-00										
Methyl tert-butyl ether	47.3	2.0	ug/l	50.0		94.6	70-130	8.14	25	
Surrogate: Dibromofluoromethane	53.0		"	50.0		106	50-150			
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104	50-150			





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Total Metals by EPA 200 Series Methods - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H07006 - 200.7/ No Digest										
Blank (0H07006-BLK1)										
					Prepared: 07-Aug-00 Analyzed: 08-Aug-00					
Chromium	ND	0.010	mg/l							
LCS (0H07006-BS1)										
					Prepared: 07-Aug-00 Analyzed: 08-Aug-00					
Chromium	1.03	0.010	mg/l	1.00		103	80-120			
LCS Dup (0H07006-BSD1)										
					Prepared: 07-Aug-00 Analyzed: 08-Aug-00					
Chromium	1.02	0.010	mg/l	1.00		102	80-120	0.976	20	
Matrix Spike (0H07006-MS1)										
					Source: W007596-03 Prepared: 07-Aug-00 Analyzed: 08-Aug-00					
Chromium	1.04	0.010	mg/l	1.00	0.042	99.8	80-120			
Matrix Spike Dup (0H07006-MSD1)										
					Source: W007596-03 Prepared: 07-Aug-00 Analyzed: 08-Aug-00					
Chromium	1.03	0.010	mg/l	1.00	0.042	98.8	80-120	0.966	20	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0H01017 - EPA 5030B [P/T]

Blank (0H01017-BLK3)

Prepared & Analyzed: 03-Aug-00

Chloromethane	ND	2.0	ug/l							
Vinyl chloride	ND	2.0	"							
Bromomethane	ND	5.0	"							
Chloroethane	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
Acetone	ND	10	"							
Carbon disulfide	ND	2.0	"							
Methylene chloride	ND	10	"							
Methyl tert-butyl ether	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
Vinyl acetate	ND	5.0	"							
1,1-Dichloroethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
2-Butanone	ND	10	"							
Chloroform	ND	2.0	"							
1,1,1-Trichloroethane	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Benzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Trichloroethene	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
2,2,5,5-Tetramethyltetrahydrofuran	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
4-Methyl-2-pentanone	ND	10	"							
Toluene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
2-Hexanone	ND	10	"							
Dibromochloromethane	ND	2.0	"							
Chlorobenzene	ND	2.0	"							
Ethylbenzene	ND	2.0	"							

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.





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0H01017 - EPA 5030B [P/T]

Prepared & Analyzed: 03-Aug-00

Blank (0H01017-BLK3)

Total Xylenes	ND	2.0	ug/l							
Styrene	ND	2.0	"							
Bromoform	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
Surrogate: Dibromofluoromethane	49.0		"	50.0		98.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100	50-150			
Surrogate: Toluene-d8	52.0		"	50.0		104	50-150			
Surrogate: 4-Bromofluorobenzene	51.0		"	50.0		102	50-150			

LCS (0H01017-BS3)

Prepared & Analyzed: 03-Aug-00

1,1-Dichloroethene	45.1	2.0	ug/l	50.0		90.2	65-135			
Methyl tert-butyl ether	40.9	2.0	"	50.0		81.8	70-130			
Benzene	44.9	2.0	"	50.0		89.8	70-130			
Trichloroethene	44.1	2.0	"	50.0		88.2	70-130			
Toluene	43.7	2.0	"	50.0		87.4	70-130			
Chlorobenzene	44.2	2.0	"	50.0		88.4	70-130			
Surrogate: Dibromofluoromethane	49.0		"	50.0		98.0	50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100	50-150			
Surrogate: Toluene-d8	51.0		"	50.0		102	50-150			
Surrogate: 4-Bromofluorobenzene	53.0		"	50.0		106	50-150			

Matrix Spike (0H01017-MS1)

Source: W007547-04

Prepared: 01-Aug-00 Analyzed: 02-Aug-00

1,1-Dichloroethene	50.3	2.0	ug/l	50.0	ND	101	60-140			
Methyl tert-butyl ether	41.9	2.0	"	50.0	ND	83.8	60-140			
Benzene	48.1	2.0	"	50.0	ND	96.2	60-140			
Trichloroethene	46.4	2.0	"	50.0	ND	92.8	60-140			
Toluene	47.4	2.0	"	50.0	ND	94.8	60-140			
Chlorobenzene	46.5	2.0	"	50.0	ND	93.0	60-140			
Surrogate: Dibromofluoromethane	50.0		"	50.0		100	50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100	50-150			
Surrogate: Toluene-d8	48.0		"	50.0		96.0	50-150			
Surrogate: 4-Bromofluorobenzene	51.0		"	50.0		102	50-150			





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Volatile Organic Compounds by EPA Method 8240B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H01017 - EPA 5030B [P/T]										
Matrix Spike Dup (0H01017-MSD1)		Source: W007547-04			Prepared: 01-Aug-00 Analyzed: 02-Aug-00					
1,1-Dichloroethene	58.3	2.0	ug/l	50.0	ND	117	60-140	14.7	25	
Methyl tert-butyl ether	52.8	2.0	"	50.0	ND	106	60-140	23.0	25	
Benzene	56.6	2.0	"	50.0	ND	113	60-140	16.2	25	
Trichloroethene	55.9	2.0	"	50.0	ND	112	60-140	18.6	25	
Toluene	56.6	2.0	"	50.0	ND	113	60-140	17.7	25	
Chlorobenzene	55.6	2.0	"	50.0	ND	111	60-140	17.8	25	
<i>Surrogate: Dibromofluoromethane</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>50-150</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.0</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>50-150</i>			





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	-----------	--------	-----	-----------	-------

Batch 0H01009 - EPA 3510B

Blank (0H01009-BLK1)

Prepared: 01-Aug-00 Analyzed: 03-Aug-00

Acenaphthene	ND	5.0	ug/l							
Acenaphthylene	ND	5.0	"							
Aniline	ND	5.0	"							
Anthracene	ND	5.0	"							
Benzoic acid	ND	10	"							
Benzo (a) anthracene	ND	5.0	"							
Benzo (b) fluoranthene	ND	5.0	"							
Benzo (k) fluoranthene	ND	5.0	"							
Benzo (ghi) perylene	ND	5.0	"							
Benzo[a]pyrene	ND	5.0	"							
Benzyl alcohol	ND	5.0	"							
Bis(2-chloroethoxy)methane	ND	5.0	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	5.0	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	5.0	"							
4-Chloroaniline	ND	10	"							
2-Chloronaphthalene	ND	5.0	"							
4-Chloro-3-methylphenol	ND	5.0	"							
2-Chlorophenol	ND	5.0	"							
4-Chlorophenyl phenyl ether	ND	5.0	"							
Chrysene	ND	5.0	"							
Dibenz (a,h) anthracene	ND	5.0	"							
Dibenzofuran	ND	5.0	"							
Di-n-butyl phthalate	ND	10	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
3,3'-Dichlorobenzidine	ND	10	"							
2,4-Dichlorophenol	ND	5.0	"							
Diethyl phthalate	ND	5.0	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	5.0	"							

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.





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	-----------	-------------	-----	-----------	-------

Batch 0H01009 - EPA 3510B

Blank (0H01009-BLK1)

Prepared: 01-Aug-00 Analyzed: 03-Aug-00

4,6-Dinitro-2-methylphenol	ND	10	ug/l							
2,4-Dinitrophenol	ND	10	"							
2,4-Dinitrotoluene	ND	5.0	"							
2,6-Dinitrotoluene	ND	5.0	"							
Di-n-octyl phthalate	ND	5.0	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	5.0	"							
Isophorone	ND	5.0	"							
2-Methylnaphthalene	ND	5.0	"							
2-Methylphenol	ND	5.0	"							
4-Methylphenol	ND	5.0	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	10	"							
Nitrobenzene	ND	5.0	"							
2-Nitrophenol	ND	5.0	"							
4-Nitrophenol	ND	10	"							
N-Nitrosodimethylamine	ND	5.0	"							
N-Nitrosodiphenylamine	ND	5.0	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
Pentachlorophenol	ND	10	"							
Phenanthrene	ND	5.0	"							
Phenol	ND	5.0	"							
Pyrene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
2,4,5-Trichlorophenol	ND	10	"							
2,4,6-Trichlorophenol	ND	5.0	"							
Surrogate: 2-Fluorophenol	63.7		"	150		42.5	21-110			

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.





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

Semivolatile Organic Compounds by EPA Method 8270B - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 0H01009 - EPA 3510B

Blank (0H01009-BLK1)

Prepared: 01-Aug-00 Analyzed: 03-Aug-00

Surrogate: Phenol-d6	41.4		ug/l	150		27.6	10-110			
Surrogate: Nitrobenzene-d5	71.1		"	100		71.1	35-114			
Surrogate: 2-Fluorobiphenyl	69.5		"	100		69.5	43-116			
Surrogate: 2,4,6-Tribromophenol	95.0		"	150		63.3	10-123			
Surrogate: p-Terphenyl-d14	78.2		"	100		78.2	33-141			

LCS (0H01009-BS1)

Prepared: 01-Aug-00 Analyzed: 03-Aug-00

Acenaphthene	73.2	5.0	ug/l	100		73.2	46-118			
4-Chloro-3-methylphenol	90.9	5.0	"	150		60.6	23-97			
2-Chlorophenol	90.2	5.0	"	150		60.1	27-123			
1,4-Dichlorobenzene	62.6	5.0	"	100		62.6	36-97			
2,4-Dinitrotoluene	69.8	5.0	"	100		69.8	24-96			
4-Nitrophenol	30.4	10	"	150		20.3	10-80			
N-Nitrosodi-n-propylamine	78.7	5.0	"	100		78.7	41-116			
Pentachlorophenol	123	10	"	150		82.0	9-103			
Phenol	38.0	5.0	"	150		25.3	12-110			
Pyrene	80.0	5.0	"	100		80.0	26-127			
1,2,4-Trichlorobenzene	58.0	5.0	"	100		58.0	39-98			
Surrogate: 2-Fluorophenol	58.0		"	150		38.7	21-110			
Surrogate: Phenol-d6	37.9		"	150		25.3	10-110			
Surrogate: Nitrobenzene-d5	76.3		"	100		76.3	35-114			
Surrogate: 2-Fluorobiphenyl	73.3		"	100		73.3	43-116			
Surrogate: 2,4,6-Tribromophenol	104		"	150		69.3	10-123			
Surrogate: p-Terphenyl-d14	71.3		"	100		71.3	33-141			

LCS Dup (0H01009-BSD1)

Prepared: 01-Aug-00 Analyzed: 03-Aug-00

Acenaphthene	74.3	5.0	ug/l	100		74.3	46-118	1.49	30	
4-Chloro-3-methylphenol	92.9	5.0	"	150		61.9	23-97	2.18	30	
2-Chlorophenol	93.5	5.0	"	150		62.3	27-123	3.59	30	
1,4-Dichlorobenzene	66.1	5.0	"	100		66.1	36-97	5.44	30	
2,4-Dinitrotoluene	69.7	5.0	"	100		69.7	24-96	0.143	30	
4-Nitrophenol	33.4	10	"	150		22.3	10-80	9.40	30	
N-Nitrosodi-n-propylamine	77.9	5.0	"	100		77.9	41-116	1.02	30	
Pentachlorophenol	130	10	"	150		86.7	9-103	5.53	30	
Phenol	44.0	5.0	"	150		29.3	12-110	14.6	30	
Pyrene	78.3	5.0	"	100		78.3	26-127	2.15	30	

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.





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

**Semivolatile Organic Compounds by EPA Method 8270B - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H01009 - EPA 3510B										
LCS Dup (0H01009-BSD1)					Prepared: 01-Aug-00 Analyzed: 03-Aug-00					
1,2,4-Trichlorobenzene	60.4	5.0	ug/l	100		60.4	39-98	4.05	30	
Surrogate: 2-Fluorophenol	64.6		"	150		43.1	21-110			
Surrogate: Phenol-d6	41.7		"	150		27.8	10-110			
Surrogate: Nitrobenzene-d5	74.3		"	100		74.3	35-114			
Surrogate: 2-Fluorobiphenyl	73.8		"	100		73.8	43-116			
Surrogate: 2,4,6-Tribromophenol	102		"	150		68.0	10-123			
Surrogate: p-Terphenyl-d14	69.2		"	100		69.2	33-141			





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H10013 - EPA 3510B										
Blank (0H10013-BLK1)										
Prepared & Analyzed: 10-Aug-00										
TRPH	ND	5.0	mg/l							
LCS (0H10013-BS1)										
Prepared & Analyzed: 10-Aug-00										
TRPH	86.6	5.0	mg/l	100		86.6	70-130			
LCS Dup (0H10013-BSD1)										
Prepared & Analyzed: 10-Aug-00										
TRPH	85.1	5.0	mg/l	100		85.1	70-130	1.75	30	





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Reported:
15-Aug-00 09:20

Notes and Definitions

- P-01 Chromatogram Pattern: Gasoline C6-C12
- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- 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





Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

13 October, 2000

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

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 28-Jul-00 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Charlie Westwater
Project Manager





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

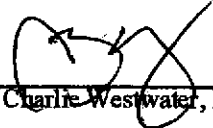
Report Revised:
13-Oct-00 10:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	W007599-04	Water	28-Jul-00 11:15	28-Jul-00 14:15

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. 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





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Report Revised:
13-Oct-00 10:44

**Volatile Organic Compounds by EPA Method 8240B
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Di-isopropyl ether	ND	2.0	ug/l	1	0H01017	03-Aug-00	04-Aug-00	EPA 8240B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Acetone	ND	10	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
Vinyl acetate	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
2-Butanone	ND	10	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
2,2,5,5-Tetramethyltetrahydrofuran	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	2.7	2.0	"	"	"	"	"	"	
2-Hexanone	ND	10	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. 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.


Wektwater, Project Manager





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Report Revised:
13-Oct-00 10:44

Volatile Organic Compounds by EPA Method 8240B
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W007599-04) Water Sampled: 28-Jul-00 11:15 Received: 28-Jul-00 14:15									
Ethylbenzene	ND	2.0	ug/l	1	0H01017	03-Aug-00	04-Aug-00	EPA 8240B	
Total Xylenes	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		94.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8		100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	50-150		"	"	"	"	

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. 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





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

Project: Tosco
Project Number: Tosco # 4625
Project Manager: Deanna L. Harding

Report Revised:
13-Oct-00 10:44

Notes and Definitions

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

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. 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.


Westwater, Project Manager

