GETTLER-RYAN INC.

TRANSMITTAL

April 2, 2001
G-R #180255

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	March 26, 2001	Groundwater Monitoring and Sampling Report First Quarter - Event of February 9, 2001

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 ***April 12, 2001***, this report will be distributed to the following:

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

Enclosure

trans/4625-DBD

GETTLER-RYAN INC.

March 26, 2001
G-R Job #180255

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

RE: **First Quarter Event of February 9, 2001**
Groundwater Monitoring & Sampling Report
Tosco (76) Service Station #4625
3070 Fruitvale Avenue
Oakland, California

Dear Mr. De Witt:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

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, 2 and 3. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

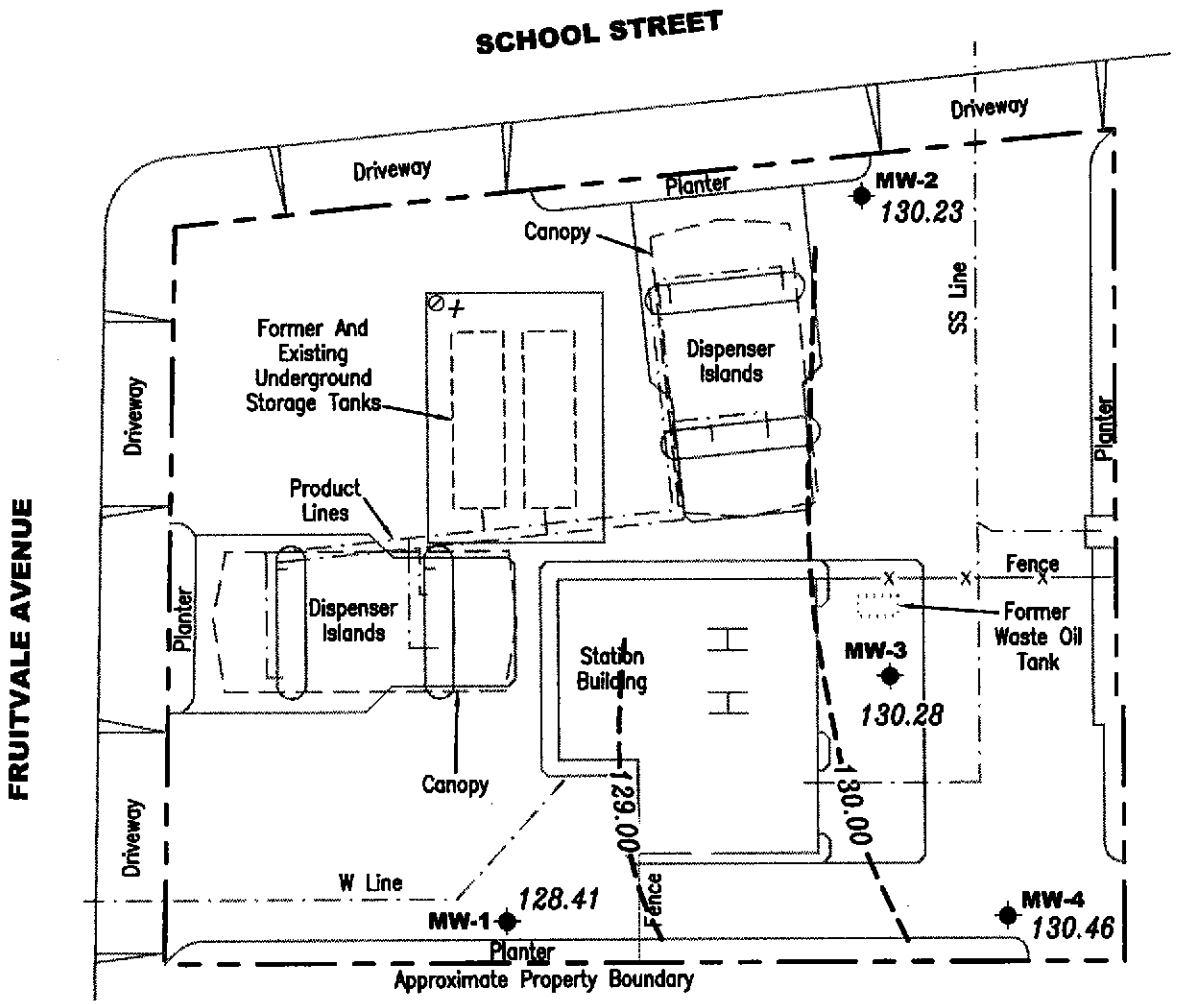
Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

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
Table 3:	Groundwater Analytical Results – Oxygenate Compounds
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

4625.qml



EXPLANATION

- ◆ Groundwater monitoring well
- ⊘ UST Observation well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.
- \+ TOC not available

Approximate groundwater flow direction at a gradient of 0.03 Ft./Ft.

N

0 30

Scale in Feet

Source: Figure modified from drawing provided by Unocal.

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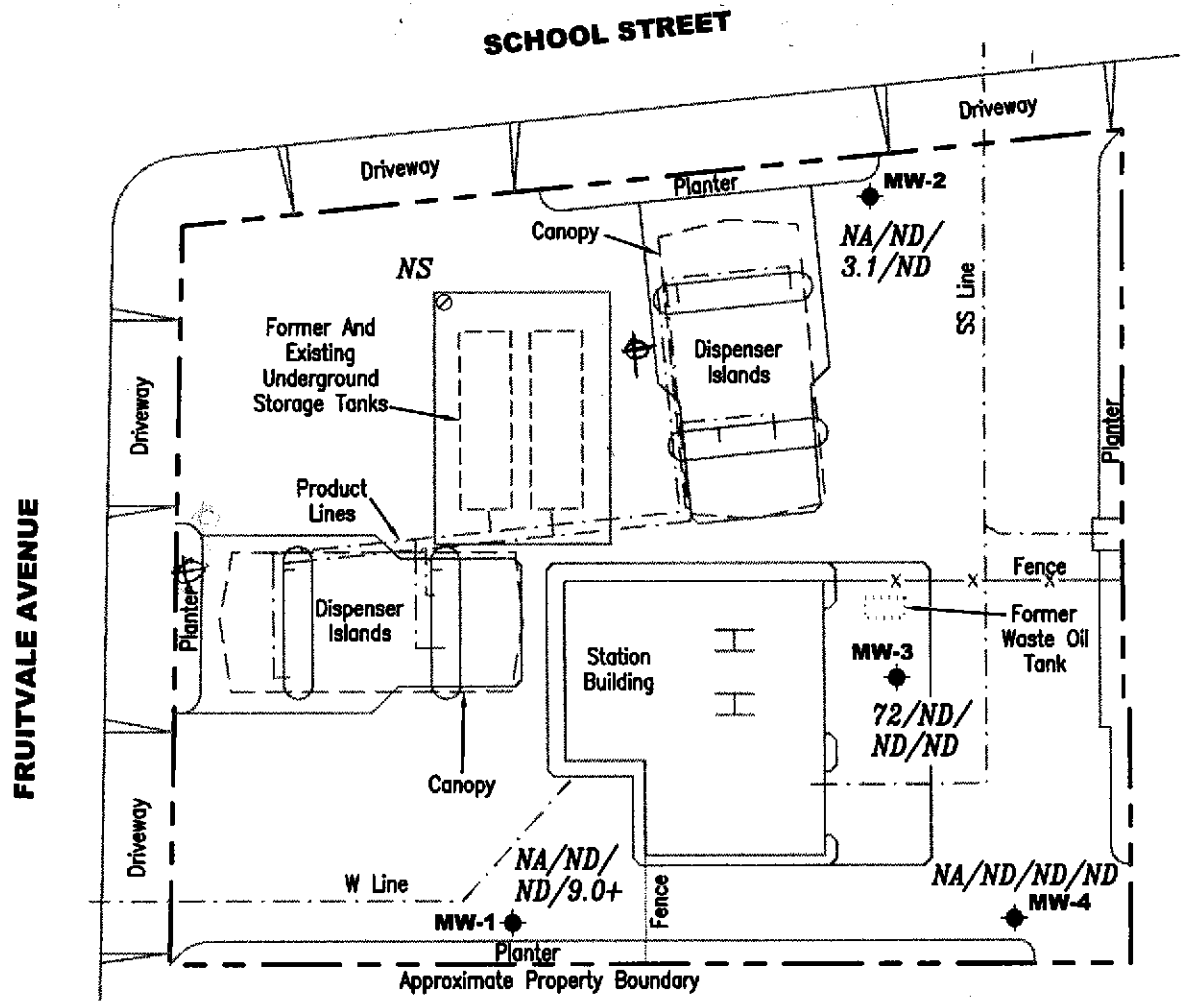
Dublin, CA 94568 (925) 551-7555

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

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180255		February 9, 2001	

FILE NAME: P:\Enviro\Tosco\4625\Q01-4625.dwg | Layout Tab: Pot1



EXPLANATION

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

Source: Figure modified from drawing provided by Unocal.

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

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180255		February 9, 2001	

FILE NAME: P:\Enviro\Tosco\4625\Q01-4625.dwg | Layout Tab: Con1

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.I. (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]
	10/29/00	7.90		128.46	--	62[1]	ND	ND	ND	ND	6.5/3.9[2]
	02/09/01	**7.95**		**128.41**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**9.0/9.0[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]
	10/29/00	8.38		130.26	--	490[1]	67	ND[3]	23	22	ND[3]
	02/09/01	**8.41**		**130.23**	**--**	**ND**	**3.1**	**ND**	**0.52**	**1.1**	**ND**
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]
	10/29/00	7.33		130.35	ND	ND	ND	ND	ND	ND	ND
	02/09/01	**7.40**		**130.28**	**72[6]**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
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
	10/29/00	6.12		130.48	--	ND	ND	ND	ND	ND	ND
	02/09/01	**6.14**		**130.46**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
UST OBSERVATION WELL											
	05/03/00	8.00		--	--	--	--	--	--	--	--
	07/28/00	9.28		--	--	--	--	--	--	--	--
	10/29/00	7.75		--	--	--	--	--	--	--	--
	02/09/01	**6.14**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

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.I. (ft. bgs.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank											
TB-LB	05/03/00	--		--	--	ND	ND	ND	ND	ND	ND
	07/28/00	--		--	--	ND	ND	ND	ND	ND	ND
	10/29/00	--		--	--	ND	ND	ND	ND	ND	ND
	02/09/01	**--**		**--**	**--**	**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-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 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.
[6] Laboratory report indicates discrete peaks.

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
	10/29/00	ND	ND	ND	7.0
	02/09/01	**ND**	**ND**	**0.038**	**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 VOCs by EPA Method 8240 were ND, except for Tertrachloroethene 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-1	**02/09/01**	**ND**	**ND**	**9.0**	**ND**	**ND**	**ND**	**ND**	**ND**
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

[1] VOCs by EPA Method 8240.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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 # 4625 Job#: 180255

Address: 3070 Fruitvale Ave. Date: 2-9-01

City: Oakland, CA. Sampler: Joe

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

Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 5 (gal.)

Total Depth: 25.06 ft.

Depth to Water: 7.95 ft.

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

17.11 X VF 0.17 = 2.91 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

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

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

Starting Time: 11:35 Weather Conditions: cloudy/raining

Sampling Time: 11:56 A.M Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:45	3	7.17	6.36	71.9			
11:47	6	7.18	7.04	72.2			
11:49	9	7.24	7.15	73.0			

LABORATORY INFORMATION

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

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 4625 Job#: 180255

Address: 3070 Fruitvale Ave. Date: 2-9-01

City: Oakland, CA. Sampler: Joe

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

Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 6 (gal.)

Total Depth: 24.28 ft.

Depth to Water: 8.41 ft.

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

15.87 X VF 0.17 = 2.70 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: 12:05 Weather Conditions: cloudy/raining

Sampling Time: 12:30 PM Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:18	2.5	7.56	8.31	73.0			
12:20	5	7.44	8.19	71.1			
12:22	8.5	7.48	8.14	71.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 VOA	Y	HCL	Seq.	TPHG. BTEX, MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 4625 Job#: 180255

Address: 3070 Fruitvale Ave. Date: 2-9-01

City: Oakland, CA. Sampler: Joe

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

Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 6 (gal.)

Total Depth: 24.73 ft.

Depth to Water: 7.40 ft.

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

17.33 X VF 0.17 = 2.95 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

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

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

Starting Time: 10:49 Weather Conditions: cloudy/raining

Sampling Time: 11:15 a.m. Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:58	3	7.75	8.39	71.1			
11:00	6	7.65	8.58	71.5			
11:02	9	7.54	8.62	71.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	2 VOA	"	"	"	VOC's / 8240
	1 Amb.	"	—	"	SVOC's / 8270
	1 Amb	"	—	"	TPHD
	1 Amb.	"	HCL	"	Oil & Grease
	1 plastic	"	HNO_3	"	Total Chromium

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 4625 Job#: 180255

Address: 3070 Fruitvale Ave. Date: 2-9-01

City: Oakland, CA. Sampler: Joe

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

Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 6 (gal.)

Total Depth: 24.65 ft.

Depth to Water: 6.14 ft.

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

18.51 x VF 0.17 = 3.15 X 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

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

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

Starting Time: 10:06 Weather Conditions: cloudy/raining

Sampling Time: 10:35AM Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (mmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:15	3	7.48	9.95	69.8			
10:17	6	7.27	9.92	69.9			
10:19	9.5	7.32	9.96	70.4			

LABORATORY INFORMATION

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

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 4625 Job#: 180255

Address: 3070 Fruitvale Ave. Date: 2-9-01

City: Oakland, CA. Sampler: Joe

Well ID: UST Observation well Well Condition: O.K

Well Diameter: [illegible] in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 6 (gal.)

Total Depth: [illegible] ft.

Depth to Water: 6.14 ft.

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

_____ X VF 0.17 = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

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

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

Starting Time: _____ Weather Conditions: cloudy/raining

Sampling Time: _____ Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

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

COMMENTS: Monthly

TOSCO

Tosco Marketing Company
3500 Crow Canyon Pl., Ste. 400
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: WD2326
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 2-9-01
Signature:

DO NOT BILL TB-LB ANALYSIS
Run 8260 - 6 Oxy's on ALL 8020 Mtbe hits. + 1,2-DCA & EDB by 8260.

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air 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)	VOC's by 8240	SVOCs by 8270	Total Chromium
TB-LB	01A	1 VOA	W	G	-	HCl	Y	✓										
MW-1	02A-C	3 VOA	"	"	11:56	"	"	✓										
MW-2	03A-C	5 VOA 3 Amb, 1 Pl.	"	"	12:30	"	"	✓								✓	✓	✓
MW-3	04A-C	3 VOA	"	"	11:15	"	"	✓	✓	✓								
MW-4	05A-C	3 VOA	"	"	10:35	"	✓	✓										

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	2-9-01		Sequoia	2/9/01 1550
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Sequoia	2/12/01 1645			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Mike Grim		2/12 1645

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical

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

6 March, 2001

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

RE: Tosco
Sequoia Report: W102326

Enclosed are the results of analyses for samples received by the laboratory on 12-Feb-01 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma For Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Tosco Project Number: Tosco # 4625 Project Manager: Deanna L. Harding	**Reported:** 06-Mar-01 14:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W102326-01	Water	09-Feb-01 00:00	12-Feb-01 16:45
MW-1	W102326-02	Water	09-Feb-01 11:56	12-Feb-01 16:45
MW-2	W102326-03	Water	09-Feb-01 12:30	12-Feb-01 16:45
MW-3	W102326-04	Water	09-Feb-01 11:15	12-Feb-01 16:45
MW-4	W102326-05	Water	09-Feb-01 10:35	12-Feb-01 16:45

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.

Dimple Sharma For Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 (W102326-01) Water Sampled: 09-Feb-01 00:00 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B16002	16-Feb-01	16-Feb-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	CC-3
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	CC-3
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*97.7 %*		*70-130*	"	"	"	"	
MW-1 (W102326-02) Water Sampled: 09-Feb-01 11:56 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B16002	16-Feb-01	16-Feb-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	CC-3
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	CC-3
Methyl tert-butyl ether	**9.0**	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*97.3 %*		*70-130*	"	"	"	"	
MW-2 (W102326-03) Water Sampled: 09-Feb-01 12:30 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B16002	16-Feb-01	16-Feb-01	EPA 8015M/8020	
Benzene	**3.1**	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	CC-3
Ethylbenzene	**0.52**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.1**	0.50	"	"	"	"	"	"	CC-3
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*103 %*		*70-130*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 (W102326-04) Water Sampled: 09-Feb-01 11:15 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B16001	16-Feb-01	16-Feb-01	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	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*70-130*		"	"	"	"	
MW-4 (W102326-05) Water Sampled: 09-Feb-01 10:35 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B16001	16-Feb-01	16-Feb-01	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	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water	**Sampled: 09-Feb-01 11:15**	**Received: 12-Feb-01 16:45**							
Diesel Range Hydrocarbons	**72**	50	ug/l	1	1B23003	23-Feb-01	24-Feb-01	EPA 8015M	D-06
Surrogate: n-Pentacosane		*82.0 %*	*50-150*		"	"	"	"	

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Total Metals by EPA 200 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water	**Sampled: 09-Feb-01 11:15**		**Received: 12-Feb-01 16:45**						
Chromium	**0.038**	0.010	mg/l	1	1B26017	26-Feb-01	06-Mar-01	EPA 200.7	

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W102326-02) Water Sampled: 09-Feb-01 11:56 Received: 12-Feb-01 16:45									
Ethanol	ND	500	ug/l	1	1B15012	23-Feb-01	23-Feb-01	EPA 8260B	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**9.0**	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.6 %*	*50-150*		"	"	"	"	

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water Sampled: 09-Feb-01 11:15 Received: 12-Feb-01 16:45									
Chloromethane	ND	2.0	ug/l	1	1B14010	16-Feb-01	16-Feb-01	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	ND	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	"	"	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Volatile Organic Compounds by EPA Method 8240B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water Sampled: 09-Feb-01 11:15 Received: 12-Feb-01 16:45									
1,3-Dichlorobenzene	ND	2.0	ug/l	1	1B14010	16-Feb-01	16-Feb-01	EPA 8240B	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*50-150*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*50-150*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*50-150*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*50-150*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water	**Sampled: 09-Feb-01 11:15**	**Received: 12-Feb-01 16:45**							
Acenaphthene	ND	5.0	ug/l	1	1B12017	15-Feb-01	28-Feb-01	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	50	"	"	"	"	"	"	
4-Chloroaniline	ND	25	"	"	"	"	"	"	
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	10	"	"	"	"	"	"	
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	10	"	"	"	"	"	"	
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	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	10	"	"	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water Sampled: 09-Feb-01 11:15 Received: 12-Feb-01 16:45									
Di-n-octyl phthalate	ND	10	ug/l	1	1B12017	15-Feb-01	28-Feb-01	EPA 8270B	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	
Hexachlorobenzene	ND	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
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	20	"	"	"	"	"	"	
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	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*44.5 %*		*21-110*	"	"	"	"	
Surrogate: Phenol-d6		*26.1 %*		*10-110*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*71.5 %*		*35-114*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*71.0 %*		*43-116*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*71.3 %*		*10-123*	"	"	"	"	
Surrogate: p-Terphenyl-d14		*51.7 %*		*33-141*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W102326-04) Water Sampled: 09-Feb-01 11:15 Received: 12-Feb-01 16:45									
TRPH	ND	5.0	mg/l	1	1B26011	26-Feb-01	02-Mar-01	SM 5520B/F	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B16001 - EPA 5030B [P/T]										
Blank (1B16001-BLK1)				Prepared & Analyzed: 16-Feb-01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*30.0*		"	*30.0*		*100*	*70-130*			
LCS (1B16001-BS1)				Prepared & Analyzed: 16-Feb-01						
Benzene	18.3	0.50	ug/l	20.0		91.5	70-130			
Toluene	18.9	0.50	"	20.0		94.5	70-130			
Ethylbenzene	19.6	0.50	"	20.0		98.0	70-130			
Xylenes (total)	58.2	0.50	"	60.0		97.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.9*		"	*30.0*		*99.7*	*70-130*			
Matrix Spike (1B16001-MS1)		**Source: W102177-07**		Prepared & Analyzed: 16-Feb-01						
Benzene	17.0	0.50	ug/l	20.0	ND	85.0	70-130			
Toluene	17.5	0.50	"	20.0	ND	87.5	70-130			
Ethylbenzene	18.2	0.50	"	20.0	ND	91.0	70-130			
Xylenes (total)	53.9	0.50	"	60.0	ND	89.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.2*		"	*30.0*		*101*	*70-130*			
Matrix Spike Dup (1B16001-MSD1)		**Source: W102177-07**		Prepared & Analyzed: 16-Feb-01						
Benzene	17.6	0.50	ug/l	20.0	ND	88.0	70-130	3.47	20	
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130	5.56	20	
Ethylbenzene	19.2	0.50	"	20.0	ND	96.0	70-130	5.35	20	
Xylenes (total)	57.3	0.50	"	60.0	ND	95.5	70-130	6.12	20	
Surrogate: a,a,a-Trifluorotoluene	*31.4*		"	*30.0*		*105*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B16002 - EPA 5030B [P/T]										
Blank (1B16002-BLK1)				Prepared & Analyzed: 16-Feb-01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*33.3*		"	*30.0*		*111*	*70-130*			
LCS (1B16002-BS1)				Prepared & Analyzed: 16-Feb-01						
Benzene	24.0	0.50	ug/l	20.0		120	70-130			
Toluene	20.1	0.50	"	20.0		101	70-130			
Ethylbenzene	22.0	0.50	"	20.0		110	70-130			
Xylenes (total)	60.0	0.50	"	60.0		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		"	*30.0*		*131*	*70-130*			*S-03*
Matrix Spike (1B16002-MS1)				Source: W102201-19RE1 Prepared & Analyzed: 16-Feb-01						
Benzene	23.2	0.50	ug/l	20.0	ND	116	70-130			
Toluene	19.2	0.50	"	20.0	ND	96.0	70-130			
Ethylbenzene	20.6	0.50	"	20.0	ND	103	70-130			
Xylenes (total)	55.9	0.50	"	60.0	ND	93.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	*34.4*		"	*30.0*		*115*	*70-130*			
Matrix Spike Dup (1B16002-MSD1)				Source: W102201-19RE1 Prepared & Analyzed: 16-Feb-01						
Benzene	22.3	0.50	ug/l	20.0	ND	111	70-130	3.96	20	
Toluene	18.0	0.50	"	20.0	ND	90.0	70-130	6.45	20	
Ethylbenzene	18.7	0.50	"	20.0	ND	93.5	70-130	9.67	20	
Xylenes (total)	51.5	0.50	"	60.0	ND	85.8	70-130	8.19	20	
Surrogate: a,a,a-Trifluorotoluene	*32.5*		"	*30.0*		*108*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Diesel Hydrocarbons (C9-C24) 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 1B23003 - EPA 3510B										
Blank (1B23003-BLK1)				Prepared & Analyzed: 23-Feb-01						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*30.0*		"	*33.3*		*90.1*	*50-150*			
LCS (1B23003-BS1)				Prepared & Analyzed: 23-Feb-01						
Diesel Range Hydrocarbons	456	50	ug/l	500		91.2	60-140			
Surrogate: n-Pentacosane	*31.7*		"	*33.3*		*95.2*	*50-150*			
LCS Dup (1B23003-BSD1)				Prepared & Analyzed: 23-Feb-01						
Diesel Range Hydrocarbons	490	50	ug/l	500		98.0	60-140	7.19	50	
Surrogate: n-Pentacosane	*33.0*		"	*33.3*		*99.1*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B26017 - 200.7										
Blank (1B26017-BLK1)				Prepared: 26-Feb-01 Analyzed: 06-Mar-01						
Chromium	ND	0.010	mg/l							
LCS (1B26017-BS1)				Prepared: 26-Feb-01 Analyzed: 06-Mar-01						
Chromium	1.02	0.010	mg/l	1.00		102	80-120			
LCS Dup (1B26017-BSD1)				Prepared: 26-Feb-01 Analyzed: 06-Mar-01						
Chromium	1.01	0.010	mg/l	1.00		101	80-120	0.985	20	
Matrix Spike (1B26017-MS1)		Source: W102220-01		Prepared: 26-Feb-01 Analyzed: 06-Mar-01						
Chromium	0.893	0.010	mg/l	1.00	ND	89.3	80-120			
Matrix Spike Dup (1B26017-MSD1)		Source: W102220-01		Prepared: 26-Feb-01 Analyzed: 06-Mar-01						
Chromium	0.873	0.010	mg/l	1.00	ND	87.3	80-120	2.27	20	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B15012 - EPA 5030B [P/T]										
Blank (1B15012-BLK2)				Prepared & Analyzed: 23-Feb-01						
Ethanol	ND	500	ug/l							
tert-Butyl alcohol	ND	50	"							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*55.9*		"	*50.0*		*112*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*52.1*		"	*50.0*		*104*	*50-150*			
LCS (1B15012-BS2)				Prepared & Analyzed: 23-Feb-01						
Methyl tert-butyl ether	49.9	2.0	ug/l	50.0		99.8	70-130			
Surrogate: Dibromofluoromethane	*55.6*		"	*50.0*		*111*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*50.5*		"	*50.0*		*101*	*50-150*			
Matrix Spike (1B15012-MS1)		**Source: W102356-03**		Prepared & Analyzed: 22-Feb-01						
Methyl tert-butyl ether	52.4	2.0	ug/l	50.0	ND	105	60-150			
Surrogate: Dibromofluoromethane	*49.5*		"	*50.0*		*99.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*57.2*		"	*50.0*		*114*	*50-150*			
Matrix Spike Dup (1B15012-MSD1)		**Source: W102356-03**		Prepared & Analyzed: 22-Feb-01						
Methyl tert-butyl ether	56.3	2.0	ug/l	50.0	ND	113	60-150	7.18	25	
Surrogate: Dibromofluoromethane	*50.6*		"	*50.0*		*101*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*58.1*		"	*50.0*		*116*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B14010 - EPA 5030B [P/T]										
Blank (1B14010-BLK1)				Prepared: 16-Feb-01 Analyzed: 17-Feb-01						
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	"							

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B14010 - EPA 5030B [P/T]										
Blank (1B14010-BLK1)				Prepared: 16-Feb-01 Analyzed: 17-Feb-01						
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	*27.0*		"	*25.0*		*108*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*24.7*		"	*25.0*		*98.8*	*50-150*			
Surrogate: Toluene-d8	*24.7*		"	*25.0*		*98.8*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*25.5*		"	*25.0*		*102*	*50-150*			
LCS (1B14010-BS1)				Prepared & Analyzed: 16-Feb-01						
1,1-Dichloroethene	22.5	2.0	ug/l	25.0		90.0	65-135			
Methyl tert-butyl ether	25.9	2.0	"	25.0		104	70-130			
Benzene	22.8	2.0	"	25.0		91.2	70-130			
Trichloroethene	23.0	2.0	"	25.0		92.0	70-130			
Toluene	23.4	2.0	"	25.0		93.6	70-130			
Chlorobenzene	24.0	2.0	"	25.0		96.0	70-130			
Surrogate: Dibromofluoromethane	*25.3*		"	*25.0*		*101*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*24.1*		"	*25.0*		*96.4*	*50-150*			
Surrogate: Toluene-d8	*24.8*		"	*25.0*		*99.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*24.9*		"	*25.0*		*99.6*	*50-150*			
Matrix Spike (1B14010-MS1)	**Source: W102099-01**			Prepared & Analyzed: 16-Feb-01						
1,1-Dichloroethene	24.0	2.0	ug/l	25.0	ND	96.0	60-140			
Methyl tert-butyl ether	29.1	2.0	"	25.0	ND	116	60-140			
Benzene	24.8	2.0	"	25.0	ND	99.2	60-140			
Trichloroethene	24.1	2.0	"	25.0	ND	96.4	60-140			
Toluene	24.2	2.0	"	25.0	ND	96.8	60-140			
Chlorobenzene	23.6	2.0	"	25.0	ND	94.4	60-140			
Surrogate: Dibromofluoromethane	*29.0*		"	*25.0*		*116*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*28.5*		"	*25.0*		*114*	*50-150*			
Surrogate: Toluene-d8	*25.4*		"	*25.0*		*102*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*26.5*		"	*25.0*		*106*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B14010 - EPA 5030B [P/T]										
Matrix Spike Dup (1B14010-MSD1)	**Source: W102099-01**			Prepared & Analyzed: 16-Feb-01						
1,1-Dichloroethene	26.9	2.0	ug/l	25.0	ND	108	60-140	11.4	25	
Methyl tert-butyl ether	33.3	2.0	"	25.0	ND	133	60-140	13.5	25	
Benzene	28.2	2.0	"	25.0	ND	113	60-140	12.8	25	
Trichloroethene	27.4	2.0	"	25.0	ND	110	60-140	12.8	25	
Toluene	27.6	2.0	"	25.0	ND	110	60-140	13.1	25	
Chlorobenzene	26.9	2.0	"	25.0	ND	108	60-140	13.1	25	
Surrogate: Dibromofluoromethane	*28.6*		"	*25.0*		*114*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*28.0*		"	*25.0*		*112*	*50-150*			
Surrogate: Toluene-d8	*25.3*		"	*25.0*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*26.3*		"	*25.0*		*105*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
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	50	"							
4-Chloroaniline	ND	25	"							
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	10	"							
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	10	"							
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	"							

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
4,6-Dinitro-2-methylphenol	ND	10	ug/l							
2,4-Dinitrophenol	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
2,6-Dinitrotoluene	ND	10	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	10	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
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	20	"							
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	10	"							
Surrogate: 2-Fluorophenol	*69.9*		"	*150*		*46.6*	*21-110*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
Surrogate: Phenol-d6	*42.4*		*ug/l*	*150*		*28.3*	*10-110*			
Surrogate: Nitrobenzene-d5	*79.3*		*"*	*100*		*79.3*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*78.9*		*"*	*100*		*78.9*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*124*		*"*	*150*		*82.7*	*10-123*			
Surrogate: p-Terphenyl-d14	*77.2*		*"*	*100*		*77.2*	*33-141*			
Blank (1B12017-BLK2)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
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	50	"							
4-Chloroaniline	ND	25	"							
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	10	"							
Dibenzofuran	ND	5.0	"							
Di-n-butyl phthalate	ND	10	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK2)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
1,4-Dichlorobenzene	ND	10	ug/l							
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	10	"							
2,6-Dinitrotoluene	ND	10	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	10	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
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	20	"							
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	"							

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Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK2)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
Phenol	ND	5.0	ug/l							
Pyrene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
2,4,5-Trichlorophenol	ND	10	"							
2,4,6-Trichlorophenol	ND	10	"							
Surrogate: 2-Fluorophenol	*76.2*		"	*150*		*50.8*	*21-110*			
Surrogate: Phenol-d6	*48.8*		"	*150*		*32.5*	*10-110*			
Surrogate: Nitrobenzene-d5	*80.1*		"	*100*		*80.1*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*72.4*		"	*100*		*72.4*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*117*		"	*150*		*78.0*	*10-123*			
Surrogate: p-Terphenyl-d14	*81.7*		"	*100*		*81.7*	*33-141*			
Blank (1B12017-BLK3)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	"							
Aniline	ND	10	"							
Anthracene	ND	10	"							
Benzoic acid	ND	20	"							
Benzo (a) anthracene	ND	10	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Benzo (ghi) perylene	ND	10	"							
Benzo[a]pyrene	ND	10	"							
Benzyl alcohol	ND	10	"							
Bis(2-chloroethoxy)methane	ND	10	"							
Bis(2-chloroethyl)ether	ND	10	"							
Bis(2-chloroisopropyl)ether	ND	10	"							
Bis(2-ethylhexyl)phthalate	ND	20	"							
4-Bromophenyl phenyl ether	ND	10	"							
Butyl benzyl phthalate	ND	100	"							
4-Chloroaniline	ND	50	"							
2-Chloronaphthalene	ND	10	"							
4-Chloro-3-methylphenol	ND	10	"							
2-Chlorophenol	ND	10	"							
4-Chlorophenyl phenyl ether	ND	10	"							

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK3)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
Chrysene	ND	10	ug/l							
Dibenz (a,h) anthracene	ND	20	"							
Dibenzofuran	ND	10	"							
Di-n-butyl phthalate	ND	20	"							
1,2-Dichlorobenzene	ND	10	"							
1,3-Dichlorobenzene	ND	10	"							
1,4-Dichlorobenzene	ND	20	"							
3,3'-Dichlorobenzidine	ND	20	"							
2,4-Dichlorophenol	ND	10	"							
Diethyl phthalate	ND	10	"							
2,4-Dimethylphenol	ND	10	"							
Dimethyl phthalate	ND	10	"							
4,6-Dinitro-2-methylphenol	ND	20	"							
2,4-Dinitrophenol	ND	20	"							
2,4-Dinitrotoluene	ND	20	"							
2,6-Dinitrotoluene	ND	20	"							
Di-n-octyl phthalate	ND	20	"							
Fluoranthene	ND	10	"							
Fluorene	ND	10	"							
Hexachlorobenzene	ND	20	"							
Hexachlorobutadiene	ND	20	"							
Hexachlorocyclopentadiene	ND	20	"							
Hexachloroethane	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	20	"							
Isophorone	ND	10	"							
2-Methylnaphthalene	ND	10	"							
2-Methylphenol	ND	10	"							
4-Methylphenol	ND	10	"							
Naphthalene	ND	10	"							
2-Nitroaniline	ND	20	"							
3-Nitroaniline	ND	20	"							
4-Nitroaniline	ND	40	"							
Nitrobenzene	ND	10	"							
2-Nitrophenol	ND	10	"							

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
Blank (1B12017-BLK3)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
4-Nitrophenol	ND	20	ug/l							
N-Nitrosodimethylamine	ND	10	"							
N-Nitrosodiphenylamine	ND	10	"							
N-Nitrosodi-n-propylamine	ND	10	"							
Pentachlorophenol	ND	20	"							
Phenanthrene	ND	10	"							
Phenol	ND	10	"							
Pyrene	ND	10	"							
1,2,4-Trichlorobenzene	ND	10	"							
2,4,5-Trichlorophenol	ND	20	"							
2,4,6-Trichlorophenol	ND	20	"							
Surrogate: 2-Fluorophenol	*181*		"	*300*		*60.3*	*21-110*			
Surrogate: Phenol-d6	*133*		"	*300*		*44.3*	*10-110*			
Surrogate: Nitrobenzene-d5	*167*		"	*200*		*83.5*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*170*		"	*200*		*85.0*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*240*		"	*300*		*80.0*	*10-123*			
Surrogate: p-Terphenyl-d14	*151*		"	*200*		*75.5*	*33-141*			
LCS (1B12017-BS1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
Acenaphthene	78.9	5.0	ug/l	100		78.9	46-118			
4-Chloro-3-methylphenol	125	5.0	"	150		83.3	23-97			
2-Chlorophenol	112	5.0	"	150		74.7	27-123			
1,4-Dichlorobenzene	70.8	10	"	100		70.8	36-97			
2,4-Dinitrotoluene	79.2	10	"	100		79.2	24-96			
4-Nitrophenol	53.9	10	"	150		35.9	10-80			
N-Nitrosodi-n-propylamine	89.3	5.0	"	100		89.3	41-116			
Pentachlorophenol	122	10	"	150		81.3	9-103			
Phenol	56.8	5.0	"	150		37.9	12-110			
Pyrene	75.8	5.0	"	100		75.8	26-127			
1,2,4-Trichlorobenzene	79.3	5.0	"	100		79.3	39-98			
Surrogate: 2-Fluorophenol	*89.7*		"	*150*		*59.8*	*21-110*			
Surrogate: Phenol-d6	*57.5*		"	*150*		*38.3*	*10-110*			
Surrogate: Nitrobenzene-d5	*89.4*		"	*100*		*89.4*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*84.8*		"	*100*		*84.8*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*133*		"	*150*		*88.7*	*10-123*			

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
LCS (1B12017-BS1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
Surrogate: p-Terphenyl-d14	*79.3*		*ug/l*	*100*		*79.3*	*33-141*			
LCS (1B12017-BS2)				Prepared: 15-Feb-01 Analyzed: 16-Feb-01						
Acenaphthene	76.3	5.0	ug/l	100		76.3	46-118			
4-Chloro-3-methylphenol	126	5.0	"	150		84.0	23-97			
2-Chlorophenol	116	5.0	"	150		77.3	27-123			
1,4-Dichlorobenzene	58.2	10	"	100		58.2	36-97			
2,4-Dinitrotoluene	79.0	10	"	100		79.0	24-96			
4-Nitrophenol	45.5	10	"	150		30.3	10-80			
N-Nitrosodi-n-propylamine	95.3	5.0	"	100		95.3	41-116			
Pentachlorophenol	120	10	"	150		80.0	9-103			
Phenol	52.8	5.0	"	150		35.2	12-110			
Pyrene	73.7	5.0	"	100		73.7	26-127			
1,2,4-Trichlorobenzene	66.1	5.0	"	100		66.1	39-98			
Surrogate: 2-Fluorophenol	*82.3*		*"*	*150*		*54.9*	*21-110*			
Surrogate: Phenol-d6	*51.6*		*"*	*150*		*34.4*	*10-110*			
Surrogate: Nitrobenzene-d5	*85.5*		*"*	*100*		*85.5*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*75.8*		*"*	*100*		*75.8*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*132*		*"*	*150*		*88.0*	*10-123*			
Surrogate: p-Terphenyl-d14	*76.1*		*"*	*100*		*76.1*	*33-141*			
LCS Dup (1B12017-BSD1)				Prepared: 12-Feb-01 Analyzed: 16-Feb-01						
Acenaphthene	80.6	5.0	ug/l	100		80.6	46-118	2.13	30	
4-Chloro-3-methylphenol	124	5.0	"	150		82.7	23-97	0.803	30	
2-Chlorophenol	115	5.0	"	150		76.7	27-123	2.64	30	
1,4-Dichlorobenzene	76.2	10	"	100		76.2	36-97	7.35	30	
2,4-Dinitrotoluene	80.2	10	"	100		80.2	24-96	1.25	30	
4-Nitrophenol	43.8	10	"	150		29.2	10-80	20.7	30	
N-Nitrosodi-n-propylamine	90.8	5.0	"	100		90.8	41-116	1.67	30	
Pentachlorophenol	126	10	"	150		84.0	9-103	3.23	30	
Phenol	47.7	5.0	"	150		31.8	12-110	17.4	30	
Pyrene	80.0	5.0	"	100		80.0	26-127	5.39	30	
1,2,4-Trichlorobenzene	82.9	5.0	"	100		82.9	39-98	4.44	30	
Surrogate: 2-Fluorophenol	*80.5*		*"*	*150*		*53.7*	*21-110*			
Surrogate: Phenol-d6	*47.3*		*"*	*150*		*31.5*	*10-110*			

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B12017 - EPA 3510B										
LCS Dup (1B12017-BSD1)			Prepared: 12-Feb-01 Analyzed: 16-Feb-01							
Surrogate: Nitrobenzene-d5	*91.5*		*ug/l*	*100*		*91.5*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*86.8*		*"*	*100*		*86.8*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*131*		*"*	*150*		*87.3*	*10-123*			
Surrogate: p-Terphenyl-d14	*80.3*		*"*	*100*		*80.3*	*33-141*			

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

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 1B26011 - EPA 3510B										
Blank (1B26011-BLK1)				Prepared: 26-Feb-01 Analyzed: 02-Mar-01						
TRPH	ND	5.0	mg/l							
LCS (1B26011-BS1)				Prepared: 26-Feb-01 Analyzed: 02-Mar-01						
TRPH	81.6	5.0	mg/l	100		81.6	70-130			
LCS Dup (1B26011-BSD1)				Prepared: 26-Feb-01 Analyzed: 02-Mar-01						
TRPH	82.2	5.0	mg/l	100		82.2	70-130	0.733	30	

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6747 Sierra Court Suite J	Project Number: Tosco # 4625	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	06-Mar-01 14:05

Notes and Definitions

CC-3	Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
D-06	Discrete peaks.
S-03	The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
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