GETTLER-RYAN INC.

TRANSMITTAL

April 4, 2001
G-R #: 180233

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

CC: Mr. Douglas Lee
Gettler-Ryan, Inc.
Dublin, California

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

RE: Tosco (76) SS #0018
6201 Claremont Boulevard
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 16, 2001***, this report will be distributed to the following:

cc: **Mr. Don Huang, Alameda County Health Care Service Division, 1131 Harbor Bay Pkwy., Ste. 250, Alameda, CA 94502**

Enclosure

trans/0018-dbd

GETTLER-RYAN INC.

March 26, 2001
G-R Job #180264

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 #0018
6201 Claremont 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 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

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

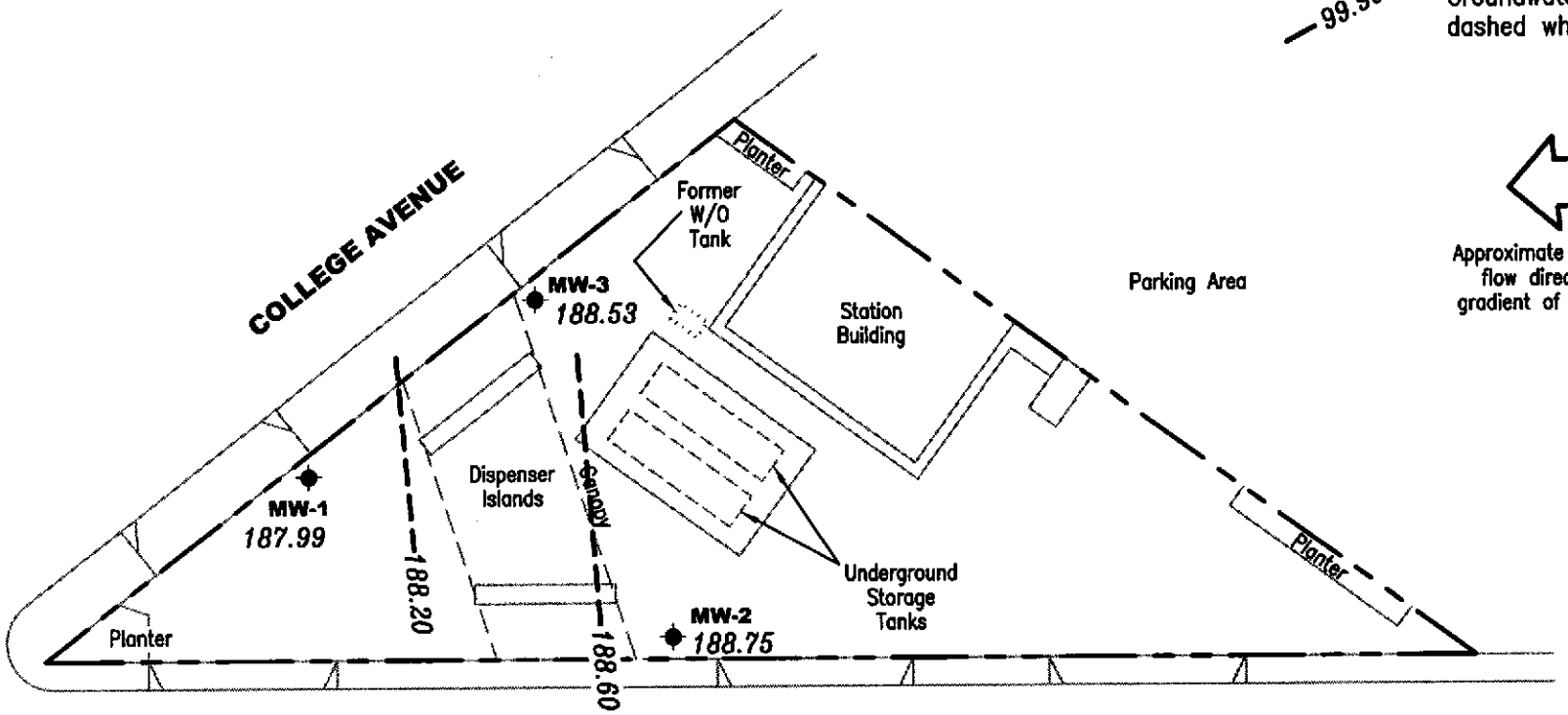
FOR Stephen J. Carter
Senior Geologist, R.G. No. 5577

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

(0018-qml

EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 — Groundwater elevation contour, dashed where inferred.



GETTLER - RYAN INC.
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Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (76) Service Station #0018
6201 Claremont Avenue
Oakland, California

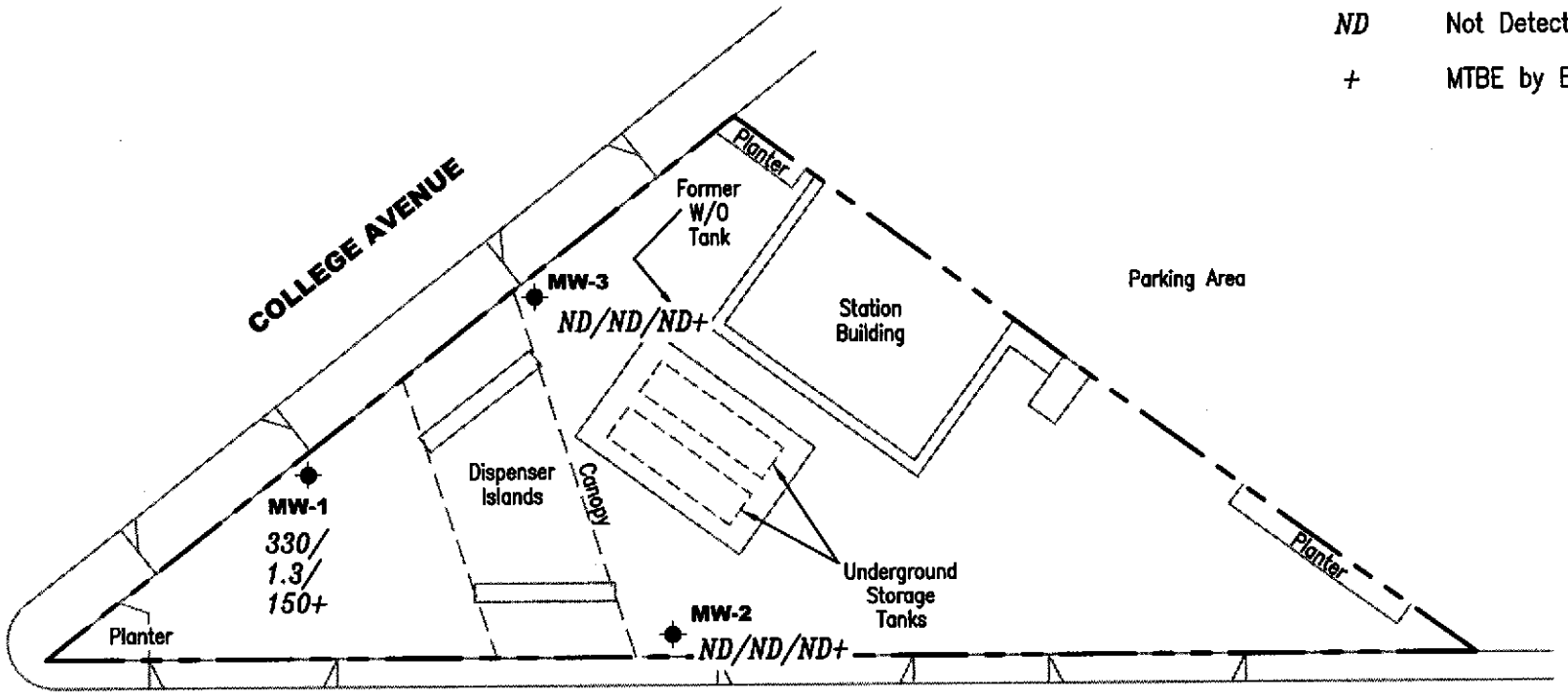
FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180264		February 9, 2001	

FILE NAME: P:\ENVIRO\TOSCO\0018\Q01-0018.DWG | Layout Tab: Pot1

EXPLANATION

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



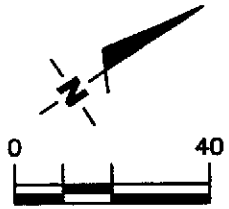


FIGURE 2

CONCENTRATION MAP
Tosco (76) Service Station #0018
6201 Claremont Avenue
Oakland, California

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

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180264		February 9, 2001	

FILE NAME: P:\ENVIRO\TOSCO\0018\Q01-0018.DWG | Layout Tab: Con1

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (76) Service Station #0018

6201 Claremont Avenue

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1										
208.15	08/24/00	18.55	10.0-30.0	189.60	120[1]	0.67	ND	0.86	1.4	54/54[2]
	11/16/00	20.30		187.85	169[3]	ND	1.20	1.74	0.629	68.6/97.7[2]
	02/09/01	**20.16**		**187.99**	**330[3]**	**1.3**	**ND**	**1.0**	**4.6**	**140/150[2]**
MW-2										
210.27	08/24/00	19.69	10.0-30.0	190.58	ND	ND	ND	ND	ND	ND/ND[2]
	11/16/00	21.61		188.66	ND	ND	ND	ND	ND	ND/ND[2]
	02/09/01	**21.52**		**188.75**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND/ND[2]**
MW-3										
208.98	08/24/00	18.68	10.0-30.0	190.30	ND	ND	ND	ND	ND	4.7/2.3[2]
	11/16/00	20.56		188.42	ND	ND	ND	ND	ND	ND/ND[2]
	02/09/01	**20.45**		**188.53**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND/ND[2]**
Trip Blank										
TB-LB	08/24/00	--	--	--	ND	ND	ND	ND	ND	ND
	11/16/00	--		--	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 #0018
6201 Claremont 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 seal level
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed

* TOC elevations have been surveyed relative to msl, per the city of Oakland benchmark; a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue. (Benchmark Elevation = 179.075 feet, msl).

[1] Laboratory report indicates gasoline C6-C12.

[2] MTBE by EPA Method 8260.

[3] Laboratory report indicates unidentified hydrocarbons C6-C12.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (76) Service Station #0018
6201 Claremont 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	08/24/00	ND	ND	54	ND	ND	ND	--	--
	11/16/00	ND	ND	97.7	ND	ND	ND	--	--
	02/09/01	**ND**	**ND**	**150**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-2	08/24/00	ND	ND	ND	ND	ND	ND	--	--
	11/16/00	ND	ND	ND	ND	ND	ND	--	--
	02/09/01	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-3	08/24/00	ND	ND	2.3	ND	ND	ND	--	--
	11/16/00	ND	ND	ND	ND	ND	ND	--	--
	02/09/01	**ND**	**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-Dichlorothane
EDB = Ethylene Dibromide
(ppb) = Parts per billion
ND = Not Detected
-- = Not Analyzed

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 # 0018 Job#: 180264

Address: 6201 Claremont Blvd. 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): 0 (gal.)

Total Depth 30.03 ft

Depth to Water 20.16 ft

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

9.87 X VF 0.17 = 1.68 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

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

Starting Time: 9:44 Weather Conditions: cloudy/rainy

Sampling Time: 10:16AM Water Color: clear Odor: none

Purging Flow Rate: 0.5gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x1.0	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:53	1.5	7.70	10.31	65.1			
9:58	3	7.54	10.32	64.6			
10:02	5.5	7.56	10.39	64.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3x0A	Y	HCl	Seq.	TPHG, BTEX, MTBE
	2x0A	"	"	"	(6) Oxys, 1,2 DCA/EDB 8260

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 0018 Job#: 180264

Address: 6201 Claremont Blvd. 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): 0 (gal.)

Total Depth 30.06 ft.

Depth to Water 21.52 ft.

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

8.54 X VF 0.17 = 1.45 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

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

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

Starting Time: 9:10 Weather Conditions: cloudy/rainy

Sampling Time: 9:37 A.M Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm X10	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:20	1	7.57	1316	65.0			
9:24	3	7.28	1257	64.9			
9:27	4.5	7.20	1251	65.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3x40A	Y	HCl	Seq.	TPHG, BTEX, MTBE
	2x40A	"	"	"	(6) 0x4, 1/2 DCA/EDB 8260

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 0018 Job#: 180264

Address: 6201 Claremont Blvd. 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): 0 (gal.)

Total Depth 29.98 ft.

Depth to Water 20.45 ft.

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

9.53 X VF 0.17 = 1.62 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 8:36 Weather Conditions: cloudy/rainy

Sampling Time: 9:00 A.M. Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (x10) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:46	1.5	8.06	9.64	65.2			
8:49	3	7.63	9.80	65.0			
8:53	5	7.60	9.88	64.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3x0A	Y	HCl	Seq.	TPHG, BTEX, MTBE
	2x0A	"	"	"	(6) 0x4, 1,2 DCA/EDB by 8260

COMMENTS:

TOSCO

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

Facility Number: Tosco # 0018
Facility Address: 6201 Claremont Blvd. Oakland
Consultant Project Number: 180264
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone) 925 510-551-7555 (Fax Number) 925 510-551-7888

Contact (Name): Mr. Dave DeWitt
(Phone): (925) 277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number: W102329
Samples Collected by (Name): JOE KJEMIAN
Collection Date: 2-9-01
Signature:

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)	TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	(6) oxys 1,2 DCA EDB 8260					Remarks
TB-LB	01A	1 VOA	W	G	—	HCL	Y	✓													DO NOT BILL TB-LB ANALYSIS
MW-1	02A-E	5 VOA	/	/	10:10	/	/	✓								✓					
MW-2	03	"	/	/	9:37	/	/	✓								✓					
MW-3	04	"	/	/	9:00	/	/	✓								✓					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	2-9-01		Sequoia	2/12/01 1530
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Seq	2/12/01 1645			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Mike Grimm		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

26 February, 2001

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

RE: Tosco
Sequoia Report: W102329

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,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W102329-01	Water	09-Feb-01 00:00	12-Feb-01 16:45
MW-1	W102329-02	Water	09-Feb-01 10:10	12-Feb-01 16:45
MW-2	W102329-03	Water	09-Feb-01 09:37	12-Feb-01 16:45
MW-3	W102329-04	Water	09-Feb-01 09:00	12-Feb-01 16:45

Charlie Westwater, Project Manager

Sequoia Analytical

404 N. Wiget Lane
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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 (W102329-01) 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		*102 %*	*70-130*		"	"	"	"	
MW-1 (W102329-02) Water Sampled: 09-Feb-01 10:10 Received: 12-Feb-01 16:45									**P-03**
Purgeable Hydrocarbons	**330**	50	ug/l	1	1B20005	17-Feb-01	17-Feb-01	EPA 8015M/8020	
Benzene	**1.3**	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**4.6**	0.50	"	"	"	"	"	"	CC-3
Methyl tert-butyl ether	**140**	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
MW-2 (W102329-03) Water Sampled: 09-Feb-01 09:37 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B20004	17-Feb-01	17-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		*100 %*	*70-130*		"	"	"	"	

Sequoia Analytical

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

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 (W102329-04) Water Sampled: 09-Feb-01 09:00 Received: 12-Feb-01 16:45									
Purgeable Hydrocarbons	ND	50	ug/l	1	1B20004	17-Feb-01	17-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		*102 %*		*70-130*	"	"	"	"	

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W102329-02) Water Sampled: 09-Feb-01 10:10 Received: 12-Feb-01 16:45									
Ethanol	ND	500	ug/l	1	1B14009	15-Feb-01	15-Feb-01	EPA 8260B	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	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		*117 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*50-150*		"	"	"	"	
MW-2 (W102329-03) Water Sampled: 09-Feb-01 09:37 Received: 12-Feb-01 16:45									
Ethanol	ND	500	ug/l	1	1B14009	15-Feb-01	15-Feb-01	EPA 8260B	
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		*112 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*50-150*		"	"	"	"	
MW-3 (W102329-04) Water Sampled: 09-Feb-01 09:00 Received: 12-Feb-01 16:45									
Ethanol	ND	500	ug/l	1	1B14009	15-Feb-01	15-Feb-01	EPA 8260B	
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		*118 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 1B20004 - EPA 5030B [P/T]										
Blank (1B20004-BLK1)				Prepared & Analyzed: 17-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	*30.8*		"	*30.0*		*103*	*70-130*			
LCS (1B20004-BS1)				Prepared & Analyzed: 17-Feb-01						
Benzene	18.4	0.50	ug/l	20.0		92.0	70-130			
Toluene	19.1	0.50	"	20.0		95.5	70-130			
Ethylbenzene	19.8	0.50	"	20.0		99.0	70-130			
Xylenes (total)	59.0	0.50	"	60.0		98.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*32.5*		"	*30.0*		*108*	*70-130*			
Matrix Spike (1B20004-MS1)		**Source: W102330-05**		Prepared & Analyzed: 17-Feb-01						
Benzene	17.5	0.50	ug/l	20.0	ND	87.5	70-130			
Toluene	18.3	0.50	"	20.0	ND	91.5	70-130			
Ethylbenzene	19.2	0.50	"	20.0	ND	96.0	70-130			
Xylenes (total)	57.8	0.50	"	60.0	ND	96.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.4*		"	*30.0*		*101*	*70-130*			
Matrix Spike Dup (1B20004-MSD1)		**Source: W102330-05**		Prepared & Analyzed: 17-Feb-01						
Benzene	15.4	0.50	ug/l	20.0	ND	77.0	70-130	12.8	20	
Toluene	20.4	0.50	"	20.0	ND	102	70-130	10.9	20	
Ethylbenzene	17.1	0.50	"	20.0	ND	85.5	70-130	11.6	20	
Xylenes (total)	51.1	0.50	"	60.0	ND	85.2	70-130	12.3	20	
Surrogate: a,a,a-Trifluorotoluene	*29.3*		"	*30.0*		*97.7*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 1B20005 - EPA 5030B [P/T]										
Blank (1B20005-BLK1)				Prepared & Analyzed: 17-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	*30.9*		"	*30.0*		*103*	*70-130*			
LCS (1B20005-BS1)				Prepared & Analyzed: 17-Feb-01						
Benzene	19.9	0.50	ug/l	20.0		99.5	70-130			
Toluene	17.1	0.50	"	20.0		85.5	70-130			
Ethylbenzene	18.4	0.50	"	20.0		92.0	70-130			
Xylenes (total)	50.1	0.50	"	60.0		83.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.4*		"	*30.0*		*101*	*70-130*			
Matrix Spike (1B20005-MS1)		Source: W102361-03		Prepared & Analyzed: 17-Feb-01						
Benzene	19.4	0.50	ug/l	20.0	ND	97.0	70-130			
Toluene	16.8	0.50	"	20.0	ND	84.0	70-130			
Ethylbenzene	17.6	0.50	"	20.0	ND	88.0	70-130			
Xylenes (total)	48.6	0.50	"	60.0	ND	81.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.1*		"	*30.0*		*100*	*70-130*			
Matrix Spike Dup (1B20005-MSD1)		Source: W102361-03		Prepared & Analyzed: 17-Feb-01						
Benzene	19.8	0.50	ug/l	20.0	ND	99.0	70-130	2.04	20	
Toluene	17.5	0.50	"	20.0	ND	87.5	70-130	4.08	20	
Ethylbenzene	18.4	0.50	"	20.0	ND	92.0	70-130	4.44	20	
Xylenes (total)	48.7	0.50	"	60.0	ND	81.2	70-130	0.206	20	
Surrogate: a,a,a-Trifluorotoluene	*31.0*		"	*30.0*		*103*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 1B14009 - EPA 5030B [P/T]										
Blank (1B14009-BLK1)				Prepared & Analyzed: 14-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	*55.7*		"	*50.0*		*111*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*51.8*		"	*50.0*		*104*	*50-150*			
Blank (1B14009-BLK2)				Prepared & Analyzed: 15-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	*54.8*		"	*50.0*		*110*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.8*		"	*50.0*		*99.6*	*50-150*			
Blank (1B14009-BLK3)				Prepared & Analyzed: 21-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	*46.0*		"	*50.0*		*92.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		"	*50.0*		*100*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

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 1B14009 - EPA 5030B [P/T]										
LCS (1B14009-BS1)				Prepared & Analyzed: 14-Feb-01						
Methyl tert-butyl ether	58.0	2.0	ug/l	50.0		116	70-130			
Surrogate: Dibromofluoromethane	*56.1*		"	*50.0*		*112*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		"	*50.0*		*102*	*50-150*			
LCS (1B14009-BS2)				Prepared & Analyzed: 15-Feb-01						
Methyl tert-butyl ether	54.7	2.0	ug/l	50.0		109	70-130			
Surrogate: Dibromofluoromethane	*55.8*		"	*50.0*		*112*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.6*		"	*50.0*		*99.2*	*50-150*			
LCS (1B14009-BS3)				Prepared & Analyzed: 21-Feb-01						
Methyl tert-butyl ether	46.5	2.0	ug/l	50.0		93.0	70-130			
Surrogate: Dibromofluoromethane	*47.0*		"	*50.0*		*94.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.0*		"	*50.0*		*98.0*	*50-150*			
Matrix Spike (1B14009-MS1)		Source: W102289-05		Prepared & Analyzed: 14-Feb-01						
Methyl tert-butyl ether	50.6	2.0	ug/l	50.0	ND	101	60-150			
Surrogate: Dibromofluoromethane	*58.0*		"	*50.0*		*116*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*52.0*		"	*50.0*		*104*	*50-150*			
Matrix Spike Dup (1B14009-MSD1)		Source: W102289-05		Prepared & Analyzed: 14-Feb-01						
Methyl tert-butyl ether	61.3	2.0	ug/l	50.0	ND	123	60-150	19.1	25	
Surrogate: Dibromofluoromethane	*58.0*		"	*50.0*		*116*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		"	*50.0*		*102*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 0018	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Feb-01 08:22

Notes and Definitions

CC-3	Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
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