



RO 243

2000 Crow Canyon Place
Suite 400
San Ramon, CA 94583

Phone: (925) 277-2305
Fax: (925) 277-2361

Environmental Department

June 27, 2003

Re: Former Tosco (76) Service Station #0018
6201 Claremont Avenue
Sunnyvale, California

Alameda County
JUL 02 2003
Environmental Health

"I declare under penalty of perjury, that to the best of my knowledge at the present time, the information and/or recommendations contained in the attached proposal or report is true and correct."

David B. DeWitt
Site Manager
ConocoPhillips



GETTLER-RYAN INC.

TRANSMITTAL

June 12, 2003

G-R #180264

TO: Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

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

Alameda County
JUL 02 2003
Environmental Health

RE: Tosco (76) Service Station
#0018
6201 Claremont Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 9, 2003	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 5, 2003

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 **June 26, 2003**, 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.

June 9, 2003
G-R Job #180264

Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

RE: Second Quarter Event of May 5, 2003
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 and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist No. 7285

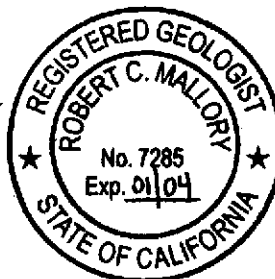
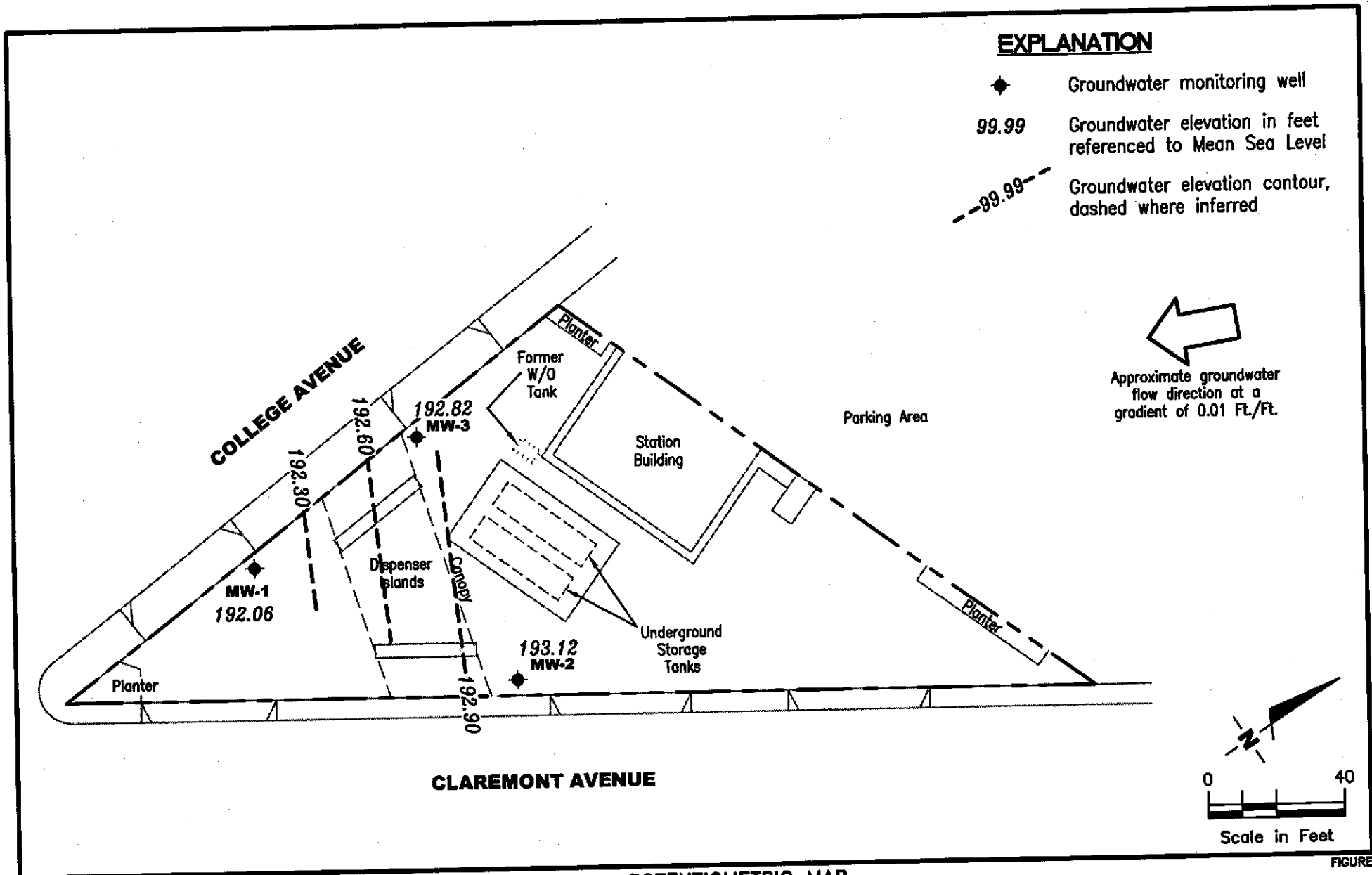


Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory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

0018-gml



GETTLER - RYAN INC.

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

PROJECT NUMBER
180264

REVIEWED BY

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

DATE
May 5, 2003

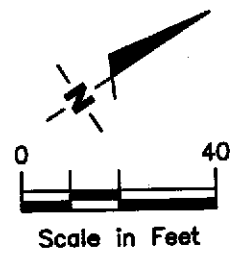
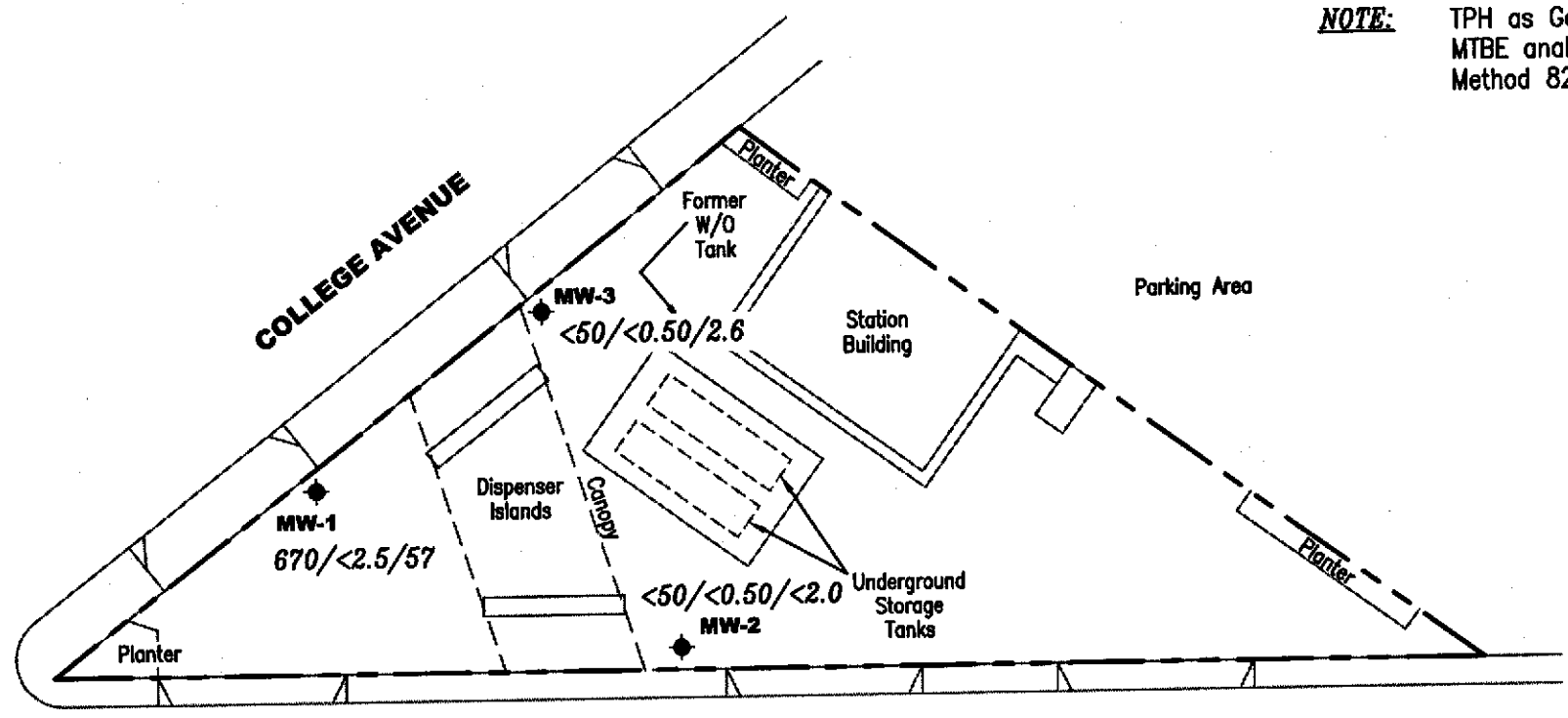
REVISED DATE

FIGURE
1

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb

NOTE: TPH as Gasoline, Benzene, and MTBE analyses by EPA Method 8260



GETTLER - RYAN INC.
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CONCENTRATION MAP
 Tosco (76) Service Station #0018
 6201 Claremont Avenue
 Oakland, California

FIGURE
2

PROJECT NUMBER
 180264

REVIEWED BY

DATE
 May 5, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (76) Service Station #0018
 6201 Claremont Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (msf)	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	
	05/11/01	17.68		190.47	1,250 ³	ND ⁴	ND ⁴	ND ⁴	ND ⁴	145/122 ²	
	08/10/01	20.38		187.77	580 ³	<0.50	<0.50	<0.50	<0.50	110/150 ²	
	11/07/01	22.68		185.47	250 ³	<0.50	1.5	<0.50	<0.50	120/100 ²	
	02/06/02	16.20		191.95	790	<2.5	12	8.8	<2.5	90/72 ²	
	05/08/02	17.54		190.61	890 ³	<2.5	<2.5	<2.5	<2.5	78/81 ²	
	08/09/02 ⁵	20.21		187.94	450 ⁶	<0.50	<0.50	<0.50	<1.0	100	
	11/29/02 ⁵	22.33		185.82	110	<0.50	<0.50	<0.50	<1.0	72	
	02/03/03 ⁵	16.41		191.74	540 ⁶	<0.50	<0.50	<0.50	<1.0	40	
	05/05/03 ⁵	16.09		192.06	670 ⁶	<2.5	<2.5	<2.5	<5.0	57	
	MW-2 210.27	08/24/00		19.69	10.0-30.0	190.58	ND	ND	ND	ND	ND
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	
05/11/01		18.76	191.51	ND		ND	ND	ND	ND	ND/ND ²	
08/10/01		21.65	188.62	<50		<0.50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 ²
11/07/01		24.25	186.02	<50		<0.50	<0.50	<0.50	<0.50	<0.50	<5.0/<1.0 ²
02/06/02		18.22	192.05	<50		<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
05/08/02		18.63	191.64	<50		<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
08/09/02 ⁵		21.53	188.74	<50		<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
11/29/02 ⁵		23.73	186.54	<50		<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
02/03/03 ⁵		17.43	192.84	<50		<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
05/05/03 ⁵		17.15	193.12	<50		<0.50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (76) Service Station #0018
 6201 Claremont Avenue
 Oakland, California

WELL ID/ TOC* (L)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
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	
	05/11/01	17.75		191.23	ND	ND	ND	ND	ND	ND/ND ²	
	08/10/01	20.70		188.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 ²
	11/07/01	23.02		185.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0/1.5 ²
	02/06/02	17.19		191.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
	05/08/02	17.59		191.39	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
	08/09/02 ⁵	20.48		188.50	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/29/02 ⁵	22.64		186.34	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
	02/03/03 ⁵	16.46		192.52	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/05/03 ⁵	16.16		192.82	<50	<0.50	<0.50	<0.50	<0.50	<1.0	2.6
	Trip Blank TB-LB	08/24/00		--	--	--	ND	ND	ND	ND	ND
11/16/00		--	--	--	ND	ND	ND	ND	ND	ND	
02/09/01		--	--	--	ND	ND	ND	ND	ND	ND	
05/11/01		--	--	--	ND	ND	ND	ND	ND	ND	
08/10/01		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	
11/07/01		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	
02/06/02		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
05/08/02		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.0	
08/09/02 ⁵		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
11/29/02 ⁵		--	--	--	<50	<0.50	0.88	<0.50	<1.0	<2.0	
02/03/03 ⁵		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
05/05/03 ⁵		--	--	--	<50	<0.50	0.56 ⁷	<0.50	<1.0	<2.0	

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (76) Service Station #0018
6201 Claremont Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
S.I. = Screen Interval
(ft. bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

- * TOC elevations have been surveyed relative to msl; per the city of Oakland benchmark being 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.
- 4 Detection limit raised. Refer to analytical reports.
- 5 TPH-G, BTEX and MTBE by EPA Method 8260.
- 6 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 7 Laboratory report indicates the lab detected Toluene in the trip blank slightly above the reporting limit. Because this compound was not detected in other samples, it is unlikely that this contamination was not introduced during transportation of the samples.

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
	05/11/01	ND	ND	122	ND	ND	ND	ND	ND
	08/10/01	<1,000	<100	150	<2.0	<2.0	<2.0	<2.0	<2.0
	11/07/01	<500	<20	100	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/02	<500	<100	72	<2.0	<2.0	<2.0	<2.0	<2.0
	05/08/02	<500	<100	81	<2.0	<2.0	<2.0	<2.0	<2.0
	08/09/02	<500	<100	100	<2.0	<2.0	<2.0	<2.0	<2.0
	11/29/02	<500	<100	72	<2.0	<2.0	<2.0	<2.0	<2.0
	02/03/03	<500	<100	40	<2.0	<2.0	<2.0	<2.0	<2.0
	05/05/03	<2,500	<500	57	<10	<10	<10	<10	<10
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
	05/11/01	ND	ND	ND	ND	ND	ND	ND	ND
	08/10/01	<1,000	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	11/07/01	<500	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/09/02	-	-	<2.0	-	-	-	-	-
	11/29/02	-	-	<2.0	-	-	-	-	-
	02/03/03	-	-	<2.0	-	-	-	-	-
	05/05/03	-	-	<2.0	-	-	-	-	-
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
	05/11/01	ND	ND	ND	ND	ND	ND	ND	ND
	08/10/01	<1,000	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	11/07/01	<500	<20	1.5	<1.0	<1.0	<1.0	<1.0	<1.0

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-3	08/09/02	--	--	<2.0	--	--	--	--	--
(cont)	11/29/02	--	--	<2.0	--	--	--	--	--
	02/03/03	--	--	<2.0	--	--	--	--	--
	05/05/03	--	--	2.6	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (76) Service Station #0018
6201 Claremont Avenue
Oakland, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
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, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

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 disposable 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 and is labeled as QA. 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 Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0018 Job Number: 180264
 Site Address: 6201 Claremont Blvd. Event Date: 5/5/03 (inclusive)
 City: Oakland, CA Sampler: Vantke

Well ID: MW-1 Date Monitored: 5/5/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 30.00 ft.

Depth to Water: 16.09 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

13.91 xVF 0.17 = 2.36 x3 (case volume) = Estimated Purge Volume: 7 gal.

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1140 Weather Conditions: clear
 Sample Time/Date: 1205 5/5/03 Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1145</u>	<u>2</u>	<u>7.43</u>	<u>680</u>	<u>66.3</u>	_____	_____
<u>1151</u>	<u>4.5</u>	<u>7.32</u>	<u>668</u>	<u>66.4</u>	_____	_____
<u>1158</u>	<u>7</u>	<u>7.30</u>	<u>662</u>	<u>66.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voc vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/ 8 Oxy's(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0018 Job Number: 180264
 Site Address: 6201 Claremont Blvd. Event Date: 5/5/03 (inclusive)
 City: Oakland, CA Sampler: Ventles

Well ID: MW-2 Date Monitored: 5/5/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 29.95 ft.

Depth to Water: 17.15 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

17.80 xVF 0.17 = 2.17 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Bailed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1055 Weather Conditions: clear
 Sample Time/Date: 1120 5/5/03 Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1100</u>	<u>2</u>	<u>7.64</u>	<u>481</u>	<u>64.5</u>	_____	_____
<u>1105</u>	<u>4</u>	<u>7.50</u>	<u>470</u>	<u>64.9</u>	_____	_____
<u>1112</u>	<u>6.5</u>	<u>7.48</u>	<u>463</u>	<u>65.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/ B-Cm/c(8800)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0018 Job Number: 180264
 Site Address: 6201 Claremont Blvd. Event Date: 5/5/03 (inclusive)
 City: Oakland, CA Sampler: Vetter

Well ID: MW-3 Date Monitored: 5/5/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 28.95 ft.
 Depth to Water: 16.16 ft.
 $12.79 \times VF \ 0.17 = 2.17$ x3 (case volume) = Estimated Purge Volume: 6.5 gal.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 10:15 Weather Conditions: ptly cldy
 Sample Time/Date: 10:35 15/5/03 Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>10:19</u>	<u>2</u>	<u>7.51</u>	<u>842</u>	<u>65.4</u>	_____	_____
<u>10:24</u>	<u>4</u>	<u>7.40</u>	<u>830</u>	<u>65.7</u>	_____	_____
<u>10:30</u>	<u>6.5</u>	<u>7.38</u>	<u>823</u>	<u>65.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/ BTEX(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

2003.05-0164

15710
Gettler-Ryan Inc., Chain-of-Custody

Tesco Corp./ Phillips 66 Co. 2000 Crow Canyon Place Suite 400 San Ramon, CA 94583	Facility Number <u>#0018</u>	Laboratory Name <u>STL - PLEASANTON, CA</u>	
	Facility Address <u>6201 CLAREMONT BLVD., OAKLAND, CA</u>	Consultant <u>GETTLER-RYAN, INC.</u>	<u>DEANNA L. HARDING</u>
	Global ID <u>T0600102231</u> Project <u>180264.80</u>	Address <u>6747 SIERRA CT., SUITE J, DUBLIN, CA 94568</u>	
	Client Contact <u>MR. DAVID B. DEWITT</u>	Phone <u>(925) 551-7555</u> Fax <u>(925) 551-7899</u>	
	Phone <u>916-558-7666</u>	Samples Collected by <u>Vazkes Tashjian</u>	

SAMPLE ID	Number of Containers Matrix	Soil A = Air Water C = Chloroform	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HYDROCARBONS (B10) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks	
QA	1	W	HCl	5/5/03					X									2.2 ^u	
MW-1	3	-	-	1205					X	X									
MW-2	3	-	-	1120					X										
MW-3	3	-	-	1035					X										

- OXYGENATES 8260
- 1 - MTBE
 - 2 - TBA
 - 3 - TAME
 - 4 - DIPE
 - 5 - ETBE
 - 6 - 1,2-DCA
 - 7 - EDB
 - 8 - ETHANOL

Relinquished By (Signature) <i>Matthew DePina</i>	Organization CR	Date/Time 5/5/03	Received By (Signature) <i>Vazkes Tashjian</i>	Organization CR	Date/Time 5/5/03	Lead <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <i>Vazkes Tashjian</i>	Organization CR	Date/Time 5/6/03	Received By (Signature) <i>Naunak</i>	Organization STV ST	Date/Time 5/6/03	Lead <input type="checkbox"/> Y/N	
Relinquished By (Signature) <i>Naunak</i>	Organization STV ST	Date/Time 5/6/03	Received For Laboratory By (Signature) <i>Naunak</i>		Date/Time 5/6/03	Lead <input type="checkbox"/> Y/N	

FILE NAME: P:\ENVIRO\1-CHANGES\STP-CCLDWS | Loma Tech Labs

Gettler Ryan

May 20, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180264.80

Project: Tosco #0018

Site: 6201 Claremont Blvd.
Oakland, CA

RECEIVED

GETTLER RYAN INC.
LABORATORY DIRECTORS

Dear Ms. Harding,

Attached is our report for your samples received on 05/06/2003 17:05

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 06/20/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Gettler Ryan

May 20, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180264.80

Project: Tosco #0018

Site: 6201 Claremont Blvd.
Oakland, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Tuesday, May 06, 2003 5:05 PM.

The lab detected Toluene in the trip blank slightly above the reporting limit. Because this compound was not detected in other samples, it is likely that this contamination was not introduced during transportation of the samples.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B	Water	QC Batch#: 200305161c65
-----------------------------------	-------	-------------------------

MW-1

2003-05-0164-002

Compound Flag(s)

g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80

Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	05/05/2003	Water	1
MW-1	05/05/2003 12:05	Water	2
MW-2	05/05/2003 11:20	Water	3
MW-3	05/05/2003 10:35	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80
Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2003-05-0164 - 2
Sampled: 05/05/2003 12:05	Extracted: 5/16/2003 13:18
Matrix: Water	QC Batch#: 2003/05/16-1c.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	670	250	ug/L	5.00	05/16/2003 13:18	g
Benzene	ND	2.5	ug/L	5.00	05/16/2003 13:18	
Toluene	ND	2.5	ug/L	5.00	05/16/2003 13:18	
Ethylbenzene	ND	2.5	ug/L	5.00	05/16/2003 13:18	
Total xylenes	ND	5.0	ug/L	5.00	05/16/2003 13:18	
tert-Butyl alcohol (TBA)	ND	500	ug/L	5.00	05/16/2003 13:18	
Methyl tert-butyl ether (MTBE)	57	10	ug/L	5.00	05/16/2003 13:18	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	05/16/2003 13:18	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	05/16/2003 13:18	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	05/16/2003 13:18	
1,2-DCA	ND	10	ug/L	5.00	05/16/2003 13:18	
EDB	ND	10	ug/L	5.00	05/16/2003 13:18	
Ethanol	ND	2500	ug/L	5.00	05/16/2003 13:18	
Surrogates(s)						
1,2-Dichloroethane-d4	104.6	76-114	%	5.00	05/16/2003 13:18	
Toluene-d8	99.2	88-110	%	5.00	05/16/2003 13:18	

Sewern Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/19/2003 14:40

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80
Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2	Lab ID: 2003-05-0164 - 3
Sampled: 05/05/2003 11:20	Extracted: 5/15/2003 21:43
Matrix: Water	QC Batch#: 2003/05/15-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/15/2003 21:43	
Benzene	ND	0.50	ug/L	1.00	05/15/2003 21:43	
Toluene	ND	0.50	ug/L	1.00	05/15/2003 21:43	
Ethylbenzene	ND	0.50	ug/L	1.00	05/15/2003 21:43	
Total xylenes	ND	1.0	ug/L	1.00	05/15/2003 21:43	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	05/15/2003 21:43	
Surrogates(s)						
1,2-Dichloroethane-d4	102.0	76-114	%	1.00	05/15/2003 21:43	
Toluene-d8	95.6	88-110	%	1.00	05/15/2003 21:43	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80

Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2003-05-0164 - 4
Sampled: 05/05/2003 10:35	Extracted: 5/15/2003 23:34
Matrix: Water	QC Batch#: 2003/05/15-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/15/2003 23:34	
Benzene	ND	0.50	ug/L	1.00	05/15/2003 23:34	
Toluene	ND	0.50	ug/L	1.00	05/15/2003 23:34	
Ethylbenzene	ND	0.50	ug/L	1.00	05/15/2003 23:34	
Total xylenes	ND	1.0	ug/L	1.00	05/15/2003 23:34	
Methyl tert-butyl ether (MTBE)	2.6	2.0	ug/L	1.00	05/15/2003 23:34	
Surrogates(s)						
1,2-Dichloroethane-d4	100.9	76-114	%	1.00	05/15/2003 23:34	
Toluene-d8	99.1	88-110	%	1.00	05/15/2003 23:34	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80

Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/05/15-02.65-050

Water

Test(s): 8260FAB

QC Batch # 2003/05/15-02.65

Date Extracted: 05/15/2003 21:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/15/2003 20:37	
Benzene	ND	0.5	ug/L	05/15/2003 20:37	
Toluene	ND	0.5	ug/L	05/15/2003 20:37	
Ethylbenzene	ND	0.5	ug/L	05/15/2003 20:37	
Total xylenes	ND	1.0	ug/L	05/15/2003 20:37	
tert-Butyl alcohol (TBA)	ND	100	ug/L	05/15/2003 20:37	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	05/15/2003 20:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	05/15/2003 20:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	05/15/2003 20:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	05/15/2003 20:37	
1,2-DCA	ND	2.0	ug/L	05/15/2003 20:37	
EDB	ND	2.0	ug/L	05/15/2003 20:37	
Ethanol	ND	500	ug/L	05/15/2003 20:37	
Surrogates(s)					
1,2-Dichloroethane-d4	99.0	76-114	%	05/15/2003 20:37	
Toluene-d8	98.8	88-110	%	05/15/2003 20:37	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80

Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/05/16-1c.65-003

Water

Test(s): 8260FAB

QC Batch # 2003/05/16-1c.65

Date Extracted: 05/16/2003 10:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/16/2003 10:37	
Benzene	ND	0.5	ug/L	05/16/2003 10:37	
Toluene	ND	0.5	ug/L	05/16/2003 10:37	
Ethylbenzene	ND	0.5	ug/L	05/16/2003 10:37	
Total xylenes	ND	1.0	ug/L	05/16/2003 10:37	
tert-Butyl alcohol (TBA)	ND	100	ug/L	05/16/2003 10:37	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	05/16/2003 10:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	05/16/2003 10:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	05/16/2003 10:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	05/16/2003 10:37	
1,2-DCA	ND	2.0	ug/L	05/16/2003 10:37	
EDB	ND	2.0	ug/L	05/16/2003 10:37	
Ethanol	ND	500	ug/L	05/16/2003 10:37	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	76-114	%	05/16/2003 10:37	
Toluene-d8	100.8	88-110	%	05/16/2003 10:37	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899
Project: 180264.80
Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/05/15-02.65

LCS 2003/05/15-02.65-051

Extracted: 05/15/2003

Analyzed: 05/15/2003 20:37

LCSD 2003/05/15-02.65-002

Extracted: 05/15/2003

Analyzed: 05/15/2003 20:59

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.0	23.6	25.0	96.0	94.4	1.7	69-129	20		
Toluene	23.8	23.6	25.0	95.2	94.4	0.8	70-130	20		
Methyl tert-butyl ether (MTBE)	32.5	29.4	25.0	130.0	117.6	10.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	496	486	500	99.2	97.2		76-114	0		
Toluene-d8	491	506	500	98.2	101.2		88-110	0		

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80
Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Batch QC Report

Prep(s): 5030B Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2003/05/16-1c.65**

LCS 2003/05/16-1c.65-002 Extracted: 05/16/2003 Analyzed: 05/16/2003 09:52

LCSD 2003/05/16-1c.65-001 Extracted: 05/16/2003 Analyzed: 05/16/2003 10:14

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	24.0	24.7	25	96.0	98.8	2.9	69-129	20		
Toluene	23.7	24.5	25	94.8	98.0	3.3	70-130	20		
Methyl tert-butyl ether (MTBE)	30.8	29.4	25	123.2	117.6	4.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	493	471	500	98.6	94.2		76-114			
Toluene-d8	484	488	500	96.8	97.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80
Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/05/15-02.65

MW-2 >> MS

Lab ID: 2003-05-0164 - 003

MS: 2003/05/15-02.65-048

Extracted: 05/15/2003

Analyzed: 05/15/2003 22:06

Dilution: 1.00

MSD: 2003/05/15-02.65-049

Extracted: 05/15/2003

Analyzed: 05/15/2003 22:28

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	25.0	23.6	ND	25.0	100.0	94.4	5.8	69-129	20		
Toluene	24.0	24.0	ND	25.0	96.0	96.0	0.0	70-130	20		
Methyl tert-butyl ether	33.7	31.4	ND	25.0	134.8	125.6	7.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	516	513		500	103.2	102.6		76-114			
Toluene-d8	487	486		500	97.4	97.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180264.80

Tosco #0018

Received: 05/06/2003 17:05

Site: 6201 Claremont Blvd.
Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match
our gasoline standard.