



Alameda County

JUN 27 2003

Environmental Health

2000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

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

Environmental Department

June 25, 2003

**Re: Tosco (761) Service Station #4625  
3070 Fruitvale Ave.  
Oakland, California**

" 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."

A handwritten signature in cursive script that reads "David B. DeWitt".

David B. DeWitt  
Site Manager  
ConocoPhillips



# GETTLER-RYAN INC.

Alameda County

## TRANSMITTAL

JUN 27 2003

June 10, 2003

G-R #180255

Environmental Health

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

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

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 6, 2003	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 3, 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 24, 2003**, 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.

June 6, 2003

G-R Job #180255

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

Alameda County

JUN 27 2003

Environmental Health

**RE: Second Quarter Event of May 3, 2003**  
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.

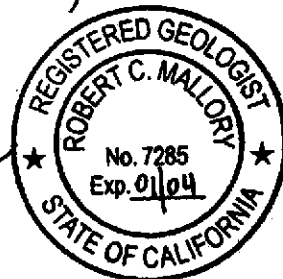
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical report are also attached.

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

Sincerely,

Deanna L. Harding  
Project Coordinator

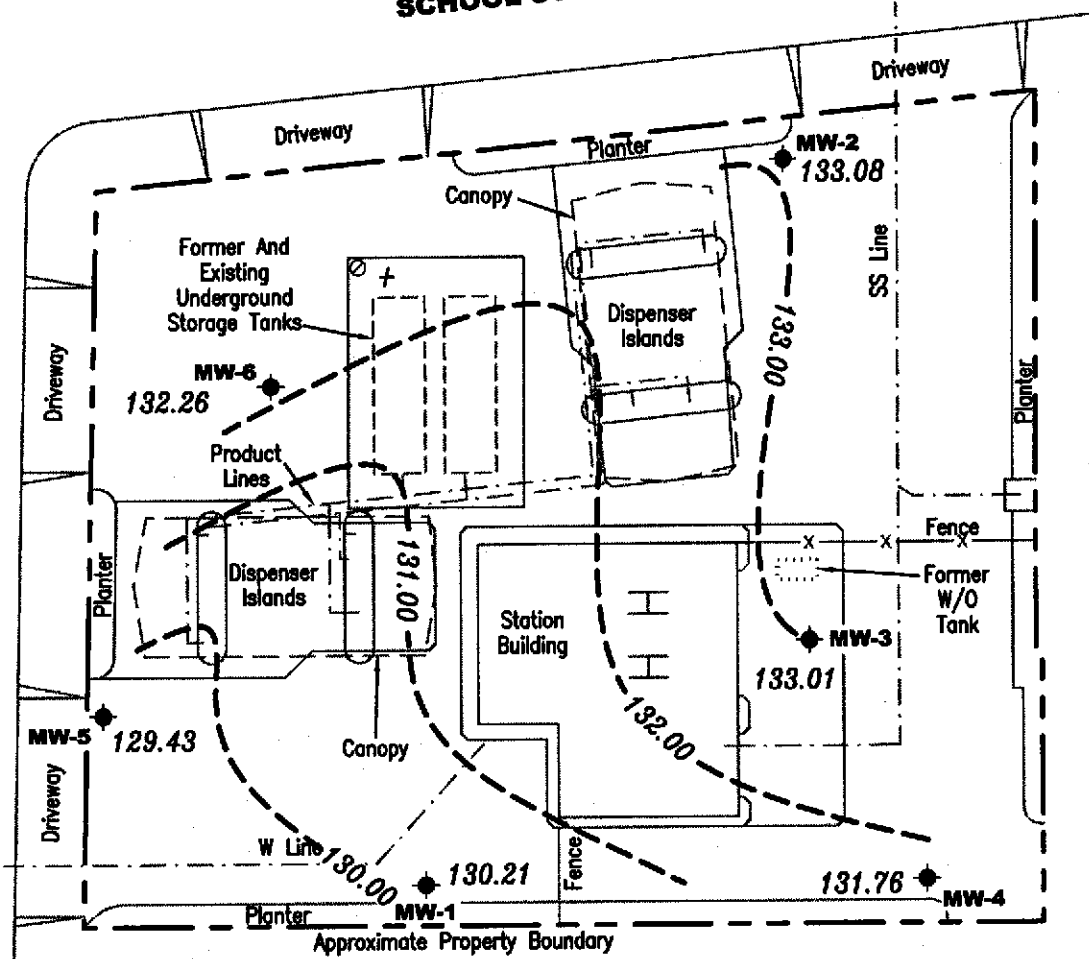
Robert C. Mallory  
Registered Geologist No. 7285



- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

**SCHOOL STREET**

**FRUITVALE AVENUE**



**EXPLANATION**

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



Approximate groundwater flow direction at a gradient of 0.03 to 0.08 Ft./Ft.



Source: Figure modified from drawing provided by Unocol.

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

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

FIGURE

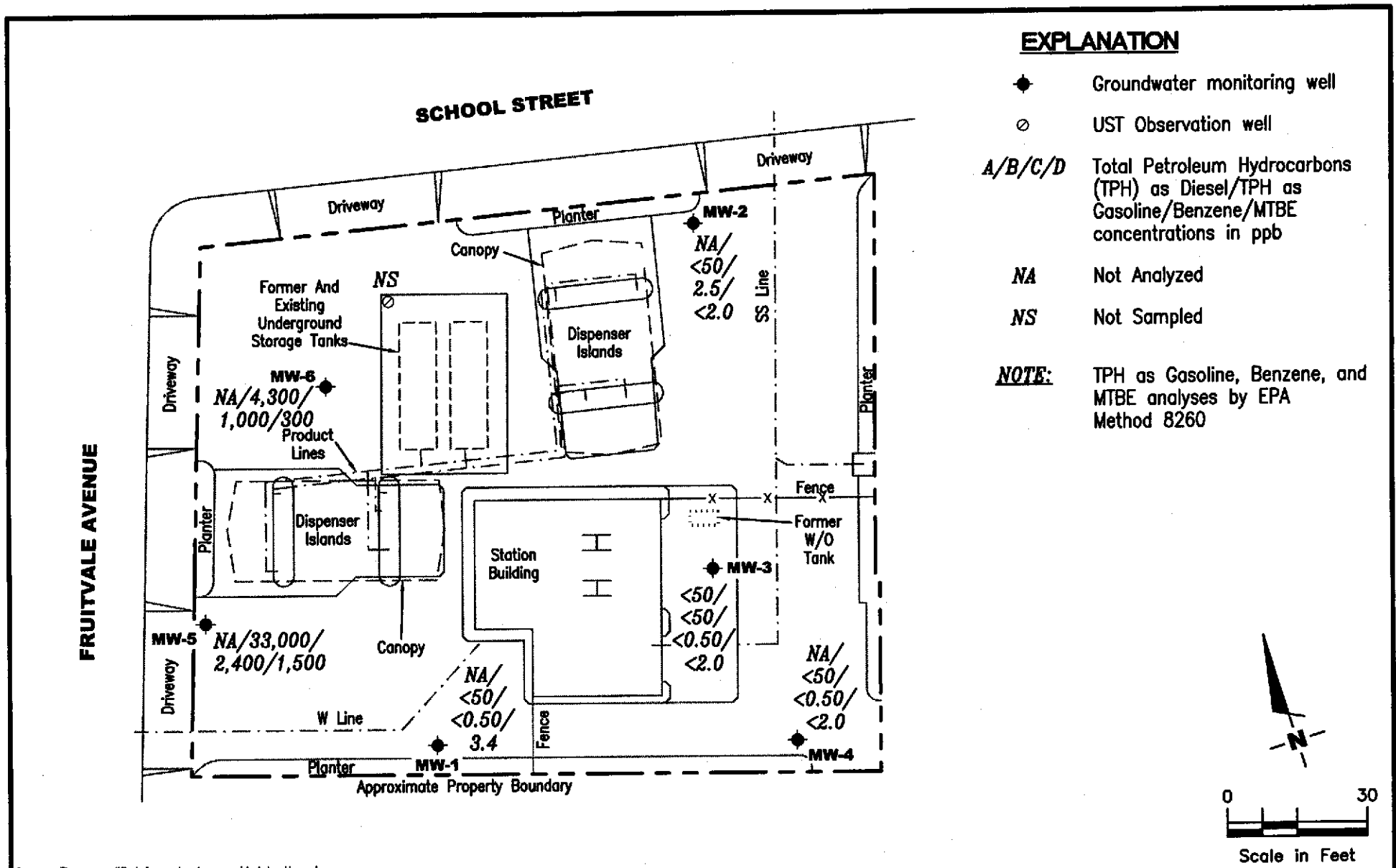
**1**

PROJECT NUMBER  
 180255

REVIEWED BY

DATE  
 May 3, 2003

REVISED DATE



Source: Figure modified from drawing provided by Unocal.

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

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

FIGURE

2

PROJECT NUMBER  
180255

REVIEWED BY

DATE  
May 3, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CONCOPHILLIPS-TOSCO\4625\Q03-4625.DWG | Layout Tab: Con2

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

WELL ID/ TOC* (ft.)	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)
<b>MW-1</b>											
136.36	05/03/00	11.81	5.0-25.0	124.55	--	ND	ND	ND	ND	ND	11/14 <sup>2</sup>
	07/28/00	7.79		128.57	--	ND	ND	ND	ND	ND	21/19 <sup>2</sup>
	10/29/00	7.90		128.46	--	62 <sup>1</sup>	ND	ND	ND	ND	6.5/3.9 <sup>2</sup>
	02/09/01	7.95		128.41	--	ND	ND	ND	ND	ND	9.0/9.0 <sup>2</sup>
	05/11/01	7.22		129.14	--	ND	ND	ND	ND	ND	12.7/16.3 <sup>2</sup>
	08/10/01	8.47		127.89	--	<50	<0.50	<0.50	<0.50	<0.50	17/19 <sup>7</sup>
	11/07/01	8.10		128.26	--	<50	<0.50	<0.50	<0.50	<0.50	22/26 <sup>2</sup>
	02/06/02	6.84		129.52	--	<50	<0.50	<0.50	<0.50	<0.50	14/18 <sup>2</sup>
	05/08/02	7.29		129.07	--	<50	<0.50	<0.50	<0.50	<0.50	20/19 <sup>2</sup>
	08/09/02 <sup>9</sup>	8.20		128.16	--	57 <sup>8</sup>	<0.50	<0.50	<0.50	<1.0	22
	11/26/02 <sup>9</sup>	7.78		128.58	--	<50	<0.50	<0.50	<0.50	<1.0	23
137.57	02/14/03 <sup>9</sup>	6.90		130.67	--	<50	<0.50	<0.50	<0.50	<1.0	8.8
	05/03/03 <sup>9</sup>	7.36		130.21	--	<50	<0.50	<0.50	<0.50	<1.0	3.4
<b>MW-2</b>											
138.64	05/03/00	8.59	5.0-25.0	130.05	--	2,400 <sup>1</sup>	53	ND <sup>3</sup>	ND <sup>3</sup>	240	<sup>3</sup> ND/ND <sup>2</sup>
	07/28/00	9.95		128.69	--	2,200 <sup>1</sup>	680	4.1	57	270	24/ND <sup>2</sup>
	10/29/00	8.38		130.26	--	490 <sup>1</sup>	67	ND <sup>3</sup>	23	22	ND <sup>3</sup>
	02/09/01	8.41		130.23	--	ND	3.1	ND	0.52	1.1	ND
	05/11/01	8.93		129.71	--	ND	1.99	ND	ND	ND	ND
	08/10/01	10.68		127.96	--	96 <sup>1</sup>	20	<0.50	2.1	9.4	<5.0
	11/07/01	10.01		128.63	--	480 <sup>1</sup>	110	<1.0	26	42	<10
	02/06/02	8.10		130.54	--	69 <sup>1</sup>	13	<0.50	0.84	4.4	<5.0
	05/08/02	9.16		129.48	--	53 <sup>1</sup>	13	<0.50	1.2	1.5	<5.0
	08/09/02 <sup>9</sup>	10.39		128.25	--	140	20	<0.50	10	11	<2.0
	11/26/02 <sup>9</sup>	9.81		128.83	--	340	87	<0.50	33	23	<2.0
139.85	02/14/03 <sup>9</sup>	8.19		131.66	--	130	12	<0.50	7.4	5.4	<2.0
	05/03/03 <sup>9</sup>	6.77		133.08	--	<50	2.5	<0.50	1.7	<1.0	<2.0

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

WELL ID/ TOC* (ft.)	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)
<b>MW-3</b>											
137.68	05/03/00	7.60	5.0-25.0	130.08	93 <sup>5</sup>	ND	ND	ND	ND	ND	ND/ND <sup>4</sup>
	07/28/00	8.82		128.86	ND <sup>3</sup>	ND	ND	ND	ND	ND	ND/ND <sup>4</sup>
	10/29/00	7.33		130.35	ND	ND	ND	ND	ND	ND	ND
	02/09/01	7.40		130.28	72 <sup>6</sup>	ND	ND	ND	ND	ND	ND
	05/11/01	7.90		129.78	ND	ND	ND	ND	ND	ND	ND
	08/10/01	9.09		128.59	63 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/07/01	9.03		128.65	88 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/06/02	7.16		130.52	<310	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/08/02	8.04		129.64	<53	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	08/09/02 <sup>9</sup>	9.27		128.41	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 <sup>9</sup>	8.79		128.89	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
138.89	02/14/03 <sup>9</sup>	7.18		131.71	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 <sup>9</sup>	5.88		133.01	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
<b>MW-4</b>											
136.60	05/03/00	6.48	5.0-25.0	130.12	--	ND	ND	ND	ND	ND	ND/ND <sup>2</sup>
	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
	05/11/01	7.51		129.09	--	ND	ND	ND	ND	ND	ND
	08/10/01	8.66		127.94	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/07/01	7.92		128.68	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/06/02	7.18		129.42	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/08/02	6.86		129.74	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	08/09/02 <sup>9</sup>	7.67		128.93	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 <sup>9</sup>	8.08		128.52	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
137.81	02/14/03 <sup>9</sup>	7.43		130.38	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 <sup>9</sup>	6.05		131.76	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

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

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (mst)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-5</b>											
	11/26/02 <sup>9,10</sup>	9.89	5.0-25.0	--	--	2,500	350	39	32	640	470
137.66	02/14/03 <sup>9</sup>	8.65		129.01	--	6,600	920	210	430	1,300	960
	05/03/03 <sup>9</sup>	8.23		129.43	--	33,000	2,400	2,200	2,000	7,600	1,500
<b>MW-6</b>											
	11/26/02 <sup>9,10</sup>	9.19	5.0-25.0	--	--	11,000	1,200	2,000	400	2,300	490
138.88	02/14/03 <sup>9</sup>	7.76		131.12	--	13,000	2,300	1,900	560	2,300	360
	05/03/03 <sup>9</sup>	6.62		132.26	--	4,300	1,000	640	260	990	300
<b>UST OBSERVATION WELL</b>											
	05/03/00	8.00	--	--	--	--	--	--	--	--	--
	07/28/00	9.28		--	--	--	--	--	--	--	--
	10/29/00	7.75		--	--	--	--	--	--	--	--
	02/09/01	6.14		--	--	--	--	--	--	--	--
	05/11/01	7.96		--	--	--	--	--	--	--	--
	08/10/01	9.54		--	--	--	--	--	--	--	--
	11/07/01	9.33		--	--	--	--	--	--	--	--
	02/06/02	8.08		--	--	--	--	--	--	--	--
	05/08/02	8.51		--	--	--	--	--	--	--	--
	08/09/02	9.56		--	--	--	--	--	--	--	--
	11/26/02	9.16		--	--	--	--	--	--	--	--
	02/14/03	-- <sup>11</sup>		--	--	--	--	--	--	--	--
	05/03/03	6.25		--	--	--	--	--	--	--	--
<b>Trip Blank</b>											
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

WELL ID/ TOC* (fl.)	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)
TB-LB	05/11/01	--	--	--	--	ND	ND	ND	ND	ND	ND
(cont)	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	<5.0
	05/08/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
QA	08/09/02 <sup>9</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 <sup>9</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	02/14/03 <sup>9</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 <sup>9</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (76) Service Station #4625  
 3070 Fruitvale 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-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

QA = Quality Assurance/Trip Blank

\* TOC elevations were resurveyed on January 6, 2003, by Virgil Chavez Land Surveying. The benchmark for this survey was a City of Oakland Benchmark, being a disk monument at approximate centerline of easterly southwest of Fruitvale and Montana Streets, (Benchmark Elevation = 157.127 feet NGVD 29).

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

<sup>1</sup> Laboratory report indicates gasoline C6-C12.

<sup>2</sup> MTBE by EPA Method 8260.

<sup>3</sup> Detection limit raised. Refer to analytical reports.

<sup>4</sup> MTBE by EPA Method 8240.

<sup>5</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.

<sup>6</sup> Laboratory report indicates discrete peaks.

<sup>7</sup> MTBE by EPA Method 8260 was analyzed beyond the EPA recommended holding time.

<sup>8</sup> Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

<sup>9</sup> TPH-G, BTEX and MTBE by EPA Method 8260.

<sup>10</sup> Well development performed.

<sup>11</sup> Field technician inadvertently missed well.

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

WELL ID	DATE	VOCs by EPA 8240 (ppb)	VOCs by EPA 8021 (ppb)	VOCs by EPA 8260 (ppb)	SVOCs by EPA 8270 (ppb)	Chromium (ppm)	TOG (ppm)
MW-3							
	05/03/00	ND	--	--	ND	ND	ND
	07/28/00	ND <sup>1</sup>	--	--	ND	1.8	ND
	10/29/00	ND	--	--	ND	ND	7.0
	02/09/01	ND	--	--	ND	0.038	ND
	05/11/01	ND	--	--	ND	ND	ND
	08/10/01	<2.0-<20	<0.50-<5.0	--	<5.0-<50	<0.010	<5.0
	11/07/01	<2.0-<20	<0.50-<5.0 <sup>2</sup>	--	<5.0-<50	<0.010	<5.0
	02/06/02	<2.0-<20	<0.50-<5.0	--	<5.0-<50	0.11	<5.0
	05/08/02	<2.0-<20	--	<0.50 <sup>3</sup>	<5.2-<100	0.037	<5.2
	08/09/02	--	--	<0.50-<50	<2.0-<10	0.70	<1.0
	11/26/02	--	--	<0.50-<50	<2.0-<10	0.34	<1.0
	02/14/03	--	--	<0.50-<50	<2.0-<10	0.074	<1.0
	05/03/03	--	--	<0.50-<50	<10-<50	0.48	<1.0

**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

-- = Not Analyzed

<sup>1</sup> All VOCs by EPA Method 8240 were ND, except for Tetrachloroethene (PCE) was detected at 2.7 ppb.

<sup>2</sup> All VOCs by EPA Method 8021 were less than the reporting limit, except for Trichloroethane (TCE) was detected at 0.55 ppb.

<sup>3</sup> All VOCs by EPA Method 8260 were less than the reporting limit, except for cis-1,2-Dichloroethene (c-1,2-DCE) was detected at 0.69 ppb, PCE at 0.56 ppb, and TCE at 0.86 ppb.

**ANALYTICAL METHODS:**

EPA 200 Series Methods for Chromium

EPA Method SM5520 for Total Oil and Grease

NOTE: All EPA Method 8240, 8021, 8260, 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
	05/11/01	ND	ND	16.3	ND	ND	ND	ND	ND
	08/10/01 <sup>1</sup>	<1,000	<100	19	<2.0	<2.0	<2.0	<2.0	<2.0
	11/07/01	<500	<20	26	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/02	<500	<100	18	<2.0	<2.0	<2.0	<2.0	<2.0
	05/08/02	<500	<100	19	<2.0	<2.0	<2.0	<2.0	<2.0
	08/09/02	<500	<100	22	<2.0	<2.0	<2.0	<2.0	<2.0
	11/26/02	<500	<100	23	<2.0	<2.0	<2.0	<2.0	<2.0
	02/14/03	<500	<100	8.8	<2.0	<2.0	<2.0	<2.0	<2.0
	05/03/03	<500	<100	3.4	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2	11/26/02	--	--	<2.0	--	--	--	--	--
	02/14/03	--	--	<2.0	--	--	--	--	--
	05/03/03	--	--	<2.0	--	--	--	--	--
MW-3	07/28/00	--	ND	ND	ND	ND	ND	ND	ND
	11/26/02	--	--	<2.0	--	--	--	--	--
	02/14/03	--	--	<2.0	--	--	--	--	--
	05/03/03	--	--	<2.0	--	--	--	--	--
MW-4	11/26/02	--	--	<2.0	--	--	--	--	--
	02/14/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	05/03/03	--	--	<2.0	--	--	--	--	--
MW-5	11/26/02	<5,000	<1,000	470	<20	<20	<20	<20	<20
	02/14/03	<5,000	<1,000	960	<20	<20	<20	<20	<20
	05/03/03	<50,000	<10,000	1,500	<200	<200	<200	<200	<200

**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-6	11/26/02	<10,000	<2,000	490	<40	<40	<40	<40	<40
	02/14/03	<10,000	<2,000	360	<40	<40	<40	<40	<40
	05/03/03	<25,000	<5,000	300	<100	<100	<100	<100	<100

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Tosco (76) Service Station #4625  
3070 Fruitvale 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 = Ethylene dibromide/1,2-Dibromoethane  
(ppb) = Parts per billion  
-- = Not Analyzed  
ND = Not Detected

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

<sup>1</sup> Laboratory report indicates sample was analyzed beyond the EPA recommended holding time.

## 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#4625 Job Number: 180255  
 Site Address: 3070 Fruitvale Avenue Event Date: 5/3/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-1 Date Monitored: 5/3/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 25.10 ft.  
 Depth to Water: 7.36 ft.  
17.74 xVF .17 = 3.01 x3 (case volume) = Estimated Purge Volume: 9.03 gal.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.36
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Purge Equipment:  
 Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment: X  
 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: \_\_\_\_\_ 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): 1120 Weather Conditions: Cloudy Rain  
 Sample Time/Date: 1145 5/3/03 Water Color: Cloudy Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: NO  
 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>1126</u>	<u>3</u>	<u>7.43</u>	<u>664</u>	<u>16.1</u>		
<u>1131</u>	<u>6</u>	<u>7.07</u>	<u>706</u>	<u>17.1</u>		
<u>1137</u>	<u>9</u>	<u>7.02</u>	<u>718</u>	<u>17.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voa 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#4625  
 Site Address: 3070 Fruitvale Avenue  
 City: Oakland, CA

Job Number: 180255  
 Event Date: 5/3/07 (inclusive)  
 Sampler: Jim Heeren

Well ID: MW-2  
 Well Diameter: 2 in.  
 Total Depth: 25.37 ft.  
 Depth to Water: 6.77 ft.  
18.60

Date Monitored: 5/3/07 Well Condition: OK

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

xVF .17 = 3.16 x3 (case volume) = Estimated Purge Volume: 9.46 gal.

Purge Equipment:  
 Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1440 Weather Conditions: Rain  
 Sample Time/Date: 1505 5/3/07 Water Color: Brown Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Heavy  
 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>1446</u>	<u>3</u>	<u>7.46</u>	<u>353</u>	<u>19.1</u>		
<u>1451</u>	<u>6</u>	<u>6.98</u>	<u>329</u>	<u>19.5</u>		
<u>1458</u>	<u>9</u>	<u>6.85</u>	<u>349</u>	<u>19.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x vov 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#4625 Job Number: 180255  
 Site Address: 3070 Fruitvale Avenue Event Date: 5/3/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Heron

Well ID: MW-3 Date Monitored: 5/3/03 Well Condition: ok  
 Well Diameter: 2 in.  
 Total Depth: 24.70 ft.  
 Depth to Water: 5.88 ft.  
18.82 xVF .17 = 3.19 x3 (case volume) = Estimated Purge Volume: 9.59 gal.

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

Purge Equipment:  
 Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1025 Weather Conditions: cloudy  
 Sample Time/Date: 1100 5/3/03 Water Color: Brown Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Heavy  
 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>1041</u>	<u>3</u>	<u>7.58</u>	<u>312</u>	<u>18.8</u>	_____	_____
<u>1047</u>	<u>6</u>	<u>7.22</u>	<u>311</u>	<u>18.8</u>	_____	_____
<u>1053</u>	<u>9</u>	<u>7.05</u>	<u>319</u>	<u>18.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)
MW-3	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D
MW-3	1 x 1 Liter Amber	YES	HCL	STL Pleasanton	TOG(Total Oil & Grease)
MW-3	3 x voa vial	YES	HCL	STL Pleasanton	VOC'S(8240)
MW-3	2 x 1 Liter Amber	YES	NP	STL Pleasanton	SVOC's(8270)
MW-3	1 x 250ml Poly	YES	HNO3	STL Pleasanton	Total Chromium

COMMENTS: \_\_\_\_\_  
 Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#4625  
 Site Address: 3070 Fruitvale Avenue  
 City: Oakland, CA

Job Number: 180255  
 Event Date: \_\_\_\_\_ (Inclusive)  
 Sampler: Jim Herron

Well ID: MW-4 Date Monitored: 5/3/07 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 24.65 ft.  
 Depth to Water: 6.05 ft.  
18.6 xVF .17 = 3.16 x3 (case volume) = Estimated Purge Volume: 9.48 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: \_\_\_\_\_ 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): 1000 Weather Conditions: cloudy  
 Sample Time/Date: 1025 13/3/07 Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: no  
 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>1006</u>	<u>3</u>	<u>7.80</u>	<u>501</u>	<u>17.5</u>	_____	_____
<u>1011</u>	<u>6</u>	<u>7.57</u>	<u>566</u>	<u>17.1</u>	_____	_____
<u>1017</u>	<u>9</u>	<u>7.36</u>	<u>527</u>	<u>16.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voc vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/ <del>2,4-D</del></u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#4625 Job Number: 180255  
 Site Address: 3070 Fruitvale Avenue Event Date: 5/3/03 (inclusive)  
 City: Oakland, CA Sampler: Sam Heenan

Well ID: MW-5 Date Monitored: 5/3/03 Well Condition: OK

Well Diameter: 2 in.  
 Total Depth: 24.40 ft.  
 Depth to Water: 8.23 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

16.17 xVF .17 = 2.74 x3 (case volume) = Estimated Purge Volume: 8.24 gal.

Purge Equipment:  
 Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1300 Weather Conditions: Rain  
 Sample Time/Date: 1300 5/3/03 Water Color: Cloudy Odor: TOS  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.2 BT  
 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>1306</u>	<u>3</u>	<u>7.01</u>	<u>681</u>	<u>19.5</u>		
<u>1316</u>	<u>6</u>	<u>6.80</u>	<u>691</u>	<u>19.8</u>		
<u>1321</u>	<u>9</u>	<u>6.71</u>	<u>679</u>	<u>19.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa 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#4625 Job Number: 180255  
 Site Address: 3070 Fruitvale Avenue Event Date: 5/3/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-6 Date Monitored: 5/3/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 23.60 ft.

Depth to Water: 6.62 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

16.98 xVF 1.17 = 2.58 x3 (case volume) = Estimated Purge Volume: 8.65 gal.

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1400 Weather Conditions: Partly Rain  
 Sample Time/Date: 1425 5/3/03 Water Color: Grey Odor: Yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Heavy  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1405</u>	<u>3</u>	<u>7.18</u>	<u>558</u>	<u>18.0</u>	_____	_____
<u>1411</u>	<u>6</u>	<u>6.89</u>	<u>507</u>	<u>19.1</u>	_____	_____
<u>1416</u>	<u>9</u>	<u>7.00</u>	<u>414</u>	<u>19.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa 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#4625 Job Number: 180255  
 Site Address: 3070 Fruitvale Avenue Event Date: 5/3/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: USTW Date Monitored: 5/3/03 Well Condition: OK  
 Well Diameter: 8 in.  
 Total Depth: 15.20 ft.  
 Depth to Water: 6.25 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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ 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: \_\_\_\_\_ 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): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 5/3/03 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: Monitor only

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_

Toaco Corp/  
Phillips 66 Co.  
2000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

Facility Number 14825  
Facility Address 3070 FRUITVALE AVE., OAKLAND, CA  
Global ID T0600102156 Project 180255.80  
Client Contact MR. DAVID B. DEWITT  
Phone (925) 277-2384

Laboratory Name STL - PLEASANTON, CA  
Consultant GETTLER-RYAN, INC. DEANNA L. HARDING  
Address 6747 SIERRA CT., SUITE J, DUBLIN CA 94568  
Phone (925) 551-7555 Fax (925) 551-7899  
Samples Collected by Jim Heron

SAMPLE ID	Number of Containers Matrix	S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/80218	TPH-DIESEL EPA 8015	TPH-DIESEL w/SINCO gal 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/ALUMINUM EPA 300 SERIES	PHOSPHORUS (8010) EPA 80218	VOC'S (8240) EPA 8260	SILOC'S EPA 8270	Total Chromium	Remarks
① QA	1	W	ACH 5/16/03																2.5%
② MW-1	3	W		1145															Run 8 days BY 8260 ON ALL MTBE HITS
③ MW-2	3	W		1505															
④ MW-3	11	W		1100	X				X						X	X	X		
⑤ MW-4	3	W		1025															
⑥ MW-5	3	W		1330															
⑦ MW-6	3	W	↓	1425															

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

Relinquished By (Signature) <i>[Signature]</i>	Organization <u>GAR</u>	Date/Time <u>5/15/03 1600</u>	Received By (Signature) <i>[Signature]</i>	Organization <u>G-R</u>	Date/Time <u>5/16/03</u>	iced <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <i>[Signature]</i>	Organization <u>G-R</u>	Date/Time <u>5/15/03</u>	Received By (Signature) <i>[Signature]</i>	Organization <u>STL-SF</u>	Date/Time <u>5-5-03</u>	iced Y/N	
Relinquished By (Signatures)	Organization	Date/Time	Received For Laboratory By (Signature) <u>NOUNA K.</u>		Date/Time <u>5/15/03 1716</u>	iced Y/N	

Gettler Ryan

May 20, 2003

6747 Sierra Court Suite J  
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180255.80

Project: Tosco #4625

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

RECEIVED

GETTLER RYAN INC.  
GENERAL INVESTIGATIONS

Dear Ms. Harding,

Attached is our report for your samples received on 05/05/2003 17:16

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

Please note that any unused portion of the samples will be discarded after 06/19/2003 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](mailto:tgranicher@stl-inc.com)

Sincerely,



Tod Granicher  
Project Manager



**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	05/03/2003	Water	1
MW-1	05/03/2003 11:45	Water	2
MW-2	05/03/2003 15:05	Water	3
MW-3	05/03/2003 11:00	Water	4
MW-4	05/03/2003 10:25	Water	5
MW-5	05/03/2003 13:30	Water	6
MW-6	05/03/2003 14:25	Water	7

**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B                      Test(s): 8260FAB  
 Sample ID: QA                      Lab ID: 2003-05-0123 - 1  
 Sampled: 05/03/2003              Extracted: 5/14/2003 17:30  
 Matrix: Water                      QC Batch#: 2003/05/14-1d.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/14/2003 17:30	
Benzene	ND	0.50	ug/L	1.00	05/14/2003 17:30	
Toluene	ND	0.50	ug/L	1.00	05/14/2003 17:30	
Ethylbenzene	ND	0.50	ug/L	1.00	05/14/2003 17:30	
Total xylenes	ND	1.0	ug/L	1.00	05/14/2003 17:30	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	05/14/2003 17:30	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.7	76-114	%	1.00	05/14/2003 17:30	
Toluene-d8	99.1	88-110	%	1.00	05/14/2003 17:30	

**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.

Oakland, Ca.

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2003-05-0123 - 2
Sampled: 05/03/2003 11:45	Extracted: 5/14/2003 17:51
Matrix: Water	QC Batch#: 2003/05/14-1d.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/14/2003 17:51	
Benzene	ND	0.50	ug/L	1.00	05/14/2003 17:51	
Toluene	ND	0.50	ug/L	1.00	05/14/2003 17:51	
Ethylbenzene	ND	0.50	ug/L	1.00	05/14/2003 17:51	
Total xylenes	ND	1.0	ug/L	1.00	05/14/2003 17:51	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	05/14/2003 17:51	
Methyl tert-butyl ether (MTBE)	3.4	2.0	ug/L	1.00	05/14/2003 17:51	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	05/14/2003 17:51	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	05/14/2003 17:51	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	05/14/2003 17:51	
1,2-DCA	ND	2.0	ug/L	1.00	05/14/2003 17:51	
EDB	ND	2.0	ug/L	1.00	05/14/2003 17:51	
Ethanol	ND	500	ug/L	1.00	05/14/2003 17:51	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.1	76-114	%	1.00	05/14/2003 17:51	
Toluene-d8	98.8	88-110	%	1.00	05/14/2003 17:51	



**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/14/2003 18:35
Matrix: Water	QC Batch#: 2003/05/14-1d.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/14/2003 18:35	
Benzene	ND	0.50	ug/L	1.00	05/14/2003 18:35	
Toluene	ND	0.50	ug/L	1.00	05/14/2003 18:35	
Ethylbenzene	ND	0.50	ug/L	1.00	05/14/2003 18:35	
Total xylenes	ND	1.0	ug/L	1.00	05/14/2003 18:35	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	05/14/2003 18:35	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	100.2	76-114	%	1.00	05/14/2003 18:35	
Toluene-d8	97.6	88-110	%	1.00	05/14/2003 18:35	

**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B                      Test(s): 8260FAB  
 Sample ID: MW-4                      Lab ID: 2003-05-0123 - 5  
 Sampled: 05/03/2003 10:25                      Extracted: 5/14/2003 18:57  
 Matrix: Water                      QC Batch#: 2003/05/14-1d:64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/14/2003 18:57	
Benzene	ND	0.50	ug/L	1.00	05/14/2003 18:57	
Toluene	ND	0.50	ug/L	1.00	05/14/2003 18:57	
Ethylbenzene	ND	0.50	ug/L	1.00	05/14/2003 18:57	
Total xylenes	ND	1.0	ug/L	1.00	05/14/2003 18:57	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	05/14/2003 18:57	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	101.3	76-114	%	1.00	05/14/2003 18:57	
Toluene-d8	98.2	88-110	%	1.00	05/14/2003 18:57	

**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: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B Test(s): 8260FAB  
Sample ID: MW-5 Lab ID: 2003-05-0123 - 6  
Sampled: 05/03/2003 13:30 Extracted: 5/15/2003 12:16  
Matrix: Water QC Batch#: 2003/05/15-1c.64  
Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	33000	5000	ug/L	100.00	05/15/2003 12:16	
Benzene	2400	50	ug/L	100.00	05/15/2003 12:16	
Toluene	2200	50	ug/L	100.00	05/15/2003 12:16	
Ethylbenzene	2000	50	ug/L	100.00	05/15/2003 12:16	
Total xylenes	7600	100	ug/L	100.00	05/15/2003 12:16	
tert-Butyl alcohol (TBA)	ND	10000	ug/L	100.00	05/15/2003 12:16	
Methyl tert-butyl ether (MTBE)	1500	200	ug/L	100.00	05/15/2003 12:16	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	05/15/2003 12:16	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	05/15/2003 12:16	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	05/15/2003 12:16	
1,2-DCA	ND	200	ug/L	100.00	05/15/2003 12:16	
EDB	ND	200	ug/L	100.00	05/15/2003 12:16	
Ethanol	ND	50000	ug/L	100.00	05/15/2003 12:16	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	102.8	76-114	%	100.00	05/15/2003 12:16	
Toluene-d8	99.7	88-110	%	100.00	05/15/2003 12:16	

**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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-6

Lab ID: 2003-05-0123 - 7

Sampled: 05/03/2003 14:25

Extracted: 5/15/2003 12:38

Matrix: Water

QC Batch#: 2003/05/15-1c.64

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4300	2500	ug/L	50.00	05/15/2003 12:38	
Benzene	1000	25	ug/L	50.00	05/15/2003 12:38	
Toluene	640	25	ug/L	50.00	05/15/2003 12:38	
Ethylbenzene	260	25	ug/L	50.00	05/15/2003 12:38	
Total xylenes	990	50	ug/L	50.00	05/15/2003 12:38	
tert-Butyl alcohol (TBA)	ND	5000	ug/L	50.00	05/15/2003 12:38	
Methyl tert-butyl ether (MTBE)	300	100	ug/L	50.00	05/15/2003 12:38	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	05/15/2003 12:38	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	05/15/2003 12:38	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	05/15/2003 12:38	
1,2-DCA	ND	100	ug/L	50.00	05/15/2003 12:38	
EDB	ND	100	ug/L	50.00	05/15/2003 12:38	
Ethanol	ND	25000	ug/L	50.00	05/15/2003 12:38	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	107.9	76-114	%	50.00	05/15/2003 12:38	
Toluene-d8	100.1	88-110	%	50.00	05/15/2003 12:38	

Severn 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

05/15/2003 16:51

Page 8 of 14



**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: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/05/14-1d.64-003

Water

Test(s): 8260FAB

QC Batch # 2003/05/14-1d.64

Date Extracted: 05/14/2003 12:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/14/2003 12:16	
Benzene	ND	0.5	ug/L	05/14/2003 12:16	
Toluene	ND	0.5	ug/L	05/14/2003 12:16	
Ethylbenzene	ND	0.5	ug/L	05/14/2003 12:16	
Total xylenes	ND	1.0	ug/L	05/14/2003 12:16	
tert-Butyl alcohol (TBA)	ND	100	ug/L	05/14/2003 12:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	05/14/2003 12:16	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	05/14/2003 12:16	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	05/14/2003 12:16	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	05/14/2003 12:16	
1,2-DCA	ND	2.0	ug/L	05/14/2003 12:16	
EDB	ND	2.0	ug/L	05/14/2003 12:16	
Ethanol	ND	500	ug/L	05/14/2003 12:16	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	104.4	76-114	%	05/14/2003 12:16	
Toluene-d8	100.8	88-110	%	05/14/2003 12:16	

**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: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B  
Method Blank  
MB: 2003/05/15-1c.64-003

Water

Test(s): 8260FAB  
QC Batch # 2003/05/15-1c.64  
Date Extracted: 05/15/2003 11:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/15/2003 11:04	
Benzene	ND	0.5	ug/L	05/15/2003 11:04	
Toluene	ND	0.5	ug/L	05/15/2003 11:04	
Ethylbenzene	ND	0.5	ug/L	05/15/2003 11:04	
Total xylenes	ND	1.0	ug/L	05/15/2003 11:04	
tert-Butyl alcohol (TBA)	ND	100	ug/L	05/15/2003 11:04	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	05/15/2003 11:04	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	05/15/2003 11:04	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	05/15/2003 11:04	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	05/15/2003 11:04	
1,2-DCA	ND	2.0	ug/L	05/15/2003 11:04	
EDB	ND	2.0	ug/L	05/15/2003 11:04	
Ethanol	ND	500	ug/L	05/15/2003 11:04	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	99.0	76-114	%	05/15/2003 11:04	
Toluene-d8	96.0	88-110	%	05/15/2003 11:04	

**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: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/05/14-1d.64

LCS 2003/05/14-1d.64-002

Extracted: 05/14/2003

Analyzed: 05/14/2003 11:32

LCSD 2003/05/14-1d.64-001

Extracted: 05/14/2003

Analyzed: 05/14/2003 11:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.1	23.3	25	92.4	93.2	0.9	69-129	20		
Toluene	22.6	24.1	25	90.4	96.4	6.4	70-130	20		
Methyl tert-butyl ether (MTBE)	24.3	25.0	25	97.2	100.0	2.8	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	527	517	500	105.4	103.4		76-114			
Toluene-d8	498	520	500	99.6	104.0		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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/05/15-1c.64**

LCS 2003/05/15-1c.64-002

Extracted: 05/15/2003

Analyzed: 05/15/2003 10:20

LCSD 2003/05/15-1c.64-001

Extracted: 05/15/2003

Analyzed: 05/15/2003 10:42

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	22.8	23.7	25	91.2	94.8	3.9	69-129	20		
Toluene	22.2	23.0	25	88.8	92.0	3.5	70-130	20		
Methyl tert-butyl ether (MTBE)	24.4	24.1	25	97.6	96.4	1.2	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	528	507	500	105.6	101.4		76-114			
Toluene-d8	495	508	500	99.0	101.6		88-110			

Severn 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

05/15/2003 16:51

Page 12 of 14

**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: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2003/05/14-1d.64**

MW-4 >> MS

Lab ID: 2003-05-0123 - 005

MS: 2003/05/14-1d.64-029

Extracted: 05/14/2003

Analyzed: 05/14/2003 19:19

Dilution: 1.00

MSD: 2003/05/14-1d.64-030

Extracted: 05/14/2003

Analyzed: 05/14/2003 19:41

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	21.8	22.2	ND	25	87.2	88.8	1.8	69-129	20		
Toluene	22.2	22.6	ND	25	88.8	90.4	1.8	70-130	20		
Methyl tert-butyl ether	23.4	23.6	ND	25	93.6	94.4	0.9	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	522	496		500	104.4	99.2		76-114			
Toluene-d8	507	495		500	101.3	99.1		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: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

---

**Legend and Notes**

---

**Analysis Flag**

o

Reporting limits were raised due to high level of analyte present in the sample.

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/03/2003 11:00	Water	4

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

 Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2003-05-0123 - 4
Sampled:	05/03/2003 11:00	Extracted:	5/16/2003 14:43
Matrix:	Water	QC Batch#:	2003/05/16-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	05/16/2003 14:43	
Acetone	ND	50	ug/L	1.00	05/16/2003 14:43	
Benzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Bromobenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Bromochloromethane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Bromoform	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Bromomethane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/16/2003 14:43	
n-Butylbenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
sec-Butylbenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
tert-Butylbenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Carbon disulfide	ND	5.0	ug/L	1.00	05/16/2003 14:43	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Chlorobenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Chloroethane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	05/16/2003 14:43	
Chloroform	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Chloromethane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
2-Chlorotoluene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
4-Chlorotoluene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	05/16/2003 14:43	

Severn 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

05/16/2003 16:10



**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

 Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/16/2003 14:43
Matrix: Water	QC Batch#: 2003/05/16-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Dibromomethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Ethylbenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
2-Hexanone	ND	50	ug/L	1.00	05/16/2003 14:43	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Methylene chloride	ND	5.0	ug/L	1.00	05/16/2003 14:43	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/16/2003 14:43	
Naphthalene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
n-Propylbenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Styrene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Toluene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	05/16/2003 14:43	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	

Severn 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

05/16/2003 16:10

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/16/2003 14:43
Matrix: Water	QC Batch#: 2003/05/16-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	05/16/2003 14:43	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Vinyl acetate	ND	25	ug/L	1.00	05/16/2003 14:43	
Vinyl chloride	ND	0.50	ug/L	1.00	05/16/2003 14:43	
Total xylenes	ND	1.0	ug/L	1.00	05/16/2003 14:43	
<b>Surrogates(s)</b>						
4-Bromofluorobenzene	91.9	86-115	%	1.00	05/16/2003 14:43	
1,2-Dichloroethane-d4	88.7	76-114	%	1.00	05/16/2003 14:43	
Toluene-d8	96.1	88-110	%	1.00	05/16/2003 14:43	

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/05/16-01.06-007

Water

Test(s): 8260B

QC Batch # 2003/05/16-01.06

Date Extracted: 05/16/2003 14:07

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	05/16/2003 14:07	
Acetone	ND	50	ug/L	05/16/2003 14:07	
Benzene	ND	0.5	ug/L	05/16/2003 14:07	
Bromodichloromethane	ND	0.5	ug/L	05/16/2003 14:07	
Bromobenzene	ND	1.0	ug/L	05/16/2003 14:07	
Bromochloromethane	ND	1.0	ug/L	05/16/2003 14:07	
Bromoform	ND	0.5	ug/L	05/16/2003 14:07	
Bromomethane	ND	1.0	ug/L	05/16/2003 14:07	
2-Butanone(MEK)	ND	50	ug/L	05/16/2003 14:07	
n-Butylbenzene	ND	1.0	ug/L	05/16/2003 14:07	
sec-Butylbenzene	ND	1.0	ug/L	05/16/2003 14:07	
tert-Butylbenzene	ND	1.0	ug/L	05/16/2003 14:07	
Carbon disulfide	ND	5.0	ug/L	05/16/2003 14:07	
Carbon tetrachloride	ND	0.5	ug/L	05/16/2003 14:07	
Chlorobenzene	ND	0.5	ug/L	05/16/2003 14:07	
Chloroethane	ND	1.0	ug/L	05/16/2003 14:07	
2-Chloroethylvinyl ether	ND	5.0	ug/L	05/16/2003 14:07	
Chloroform	ND	1.0	ug/L	05/16/2003 14:07	
Chloromethane	ND	1.0	ug/L	05/16/2003 14:07	
2-Chlorotoluene	ND	0.5	ug/L	05/16/2003 14:07	
4-Chlorotoluene	ND	0.5	ug/L	05/16/2003 14:07	
Dibromochloromethane	ND	0.5	ug/L	05/16/2003 14:07	
1,2-Dichlorobenzene	ND	0.5	ug/L	05/16/2003 14:07	
1,3-Dichlorobenzene	ND	0.5	ug/L	05/16/2003 14:07	
1,4-Dichlorobenzene	ND	0.5	ug/L	05/16/2003 14:07	
1,3-Dichloropropane	ND	1.0	ug/L	05/16/2003 14:07	
2,2-Dichloropropane	ND	0.5	ug/L	05/16/2003 14:07	
1,1-Dichloropropene	ND	0.5	ug/L	05/16/2003 14:07	

Severn 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

05/16/2003 16:10

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

 Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/05/16-01.06-007

Water

Test(s): 8260B

QC Batch # 2003/05/16-01.06

Date Extracted: 05/16/2003 14:07

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/16/2003 14:07	
1,2-Dibromoethane	ND	0.5	ug/L	05/16/2003 14:07	
Dibromomethane	ND	0.5	ug/L	05/16/2003 14:07	
Dichlorodifluoromethane	ND	0.5	ug/L	05/16/2003 14:07	
1,1-Dichloroethane	ND	0.5	ug/L	05/16/2003 14:07	
1,2-Dichloroethane	ND	0.5	ug/L	05/16/2003 14:07	
1,1-Dichloroethene	ND	0.5	ug/L	05/16/2003 14:07	
cis-1,2-Dichloroethene	ND	0.5	ug/L	05/16/2003 14:07	
trans-1,2-Dichloroethene	ND	0.5	ug/L	05/16/2003 14:07	
1,2-Dichloropropane	ND	0.5	ug/L	05/16/2003 14:07	
cis-1,3-Dichloropropene	ND	0.5	ug/L	05/16/2003 14:07	
trans-1,3-Dichloropropene	ND	0.5	ug/L	05/16/2003 14:07	
Ethylbenzene	ND	0.5	ug/L	05/16/2003 14:07	
Hexachlorobutadiene	ND	1.0	ug/L	05/16/2003 14:07	
2-Hexanone	ND	50	ug/L	05/16/2003 14:07	
Isopropylbenzene	ND	0.5	ug/L	05/16/2003 14:07	
p-Isopropyltoluene	ND	1.0	ug/L	05/16/2003 14:07	
Methylene chloride	ND	5.0	ug/L	05/16/2003 14:07	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	05/16/2003 14:07	
Naphthalene	ND	1.0	ug/L	05/16/2003 14:07	
n-Propylbenzene	ND	1.0	ug/L	05/16/2003 14:07	
Styrene	ND	0.5	ug/L	05/16/2003 14:07	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	05/16/2003 14:07	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	05/16/2003 14:07	
Tetrachloroethene	ND	0.5	ug/L	05/16/2003 14:07	
Toluene	ND	0.5	ug/L	05/16/2003 14:07	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/16/2003 14:07	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/16/2003 14:07	

Severn 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

05/16/2003 16:10

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/05/16-01.06-007

Water

Test(s): 8260B

QC Batch # 2003/05/16-01.06

Date Extracted: 05/16/2003 14:07

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1,1-Trichloroethane	ND	0.5	ug/L	05/16/2003 14:07	
1,1,2-Trichloroethane	ND	0.5	ug/L	05/16/2003 14:07	
Trichloroethene	ND	0.5	ug/L	05/16/2003 14:07	
Trichlorofluoromethane	ND	1.0	ug/L	05/16/2003 14:07	
Trichlorotrifluoroethane	ND	0.5	ug/L	05/16/2003 14:07	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	05/16/2003 14:07	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	05/16/2003 14:07	
Vinyl acetate	ND	25	ug/L	05/16/2003 14:07	
Vinyl chloride	ND	0.5	ug/L	05/16/2003 14:07	
Total xylenes	ND	1.0	ug/L	05/16/2003 14:07	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	92.8	86-115	%	05/16/2003 14:07	
1,2-Dichloroethane-d4	91.7	76-114	%	05/16/2003 14:07	
Toluene-d8	94.7	88-110	%	05/16/2003 14:07	

**Volatile Organic Compounds by 8260B (Low Level)**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/05/16-01.06**

LCS 2003/05/16-01.06-005

Extracted: 05/16/2003

Analyzed: 05/16/2003 13:00

LCSD 2003/05/16-01.06-006

Extracted: 05/16/2003

Analyzed: 05/16/2003 13:30

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	16.5	17.3	20.0	82.5	86.5	4.7	69-129	20		
Chlorobenzene	21.3	22.2	20.0	106.5	111.0	4.1	61-121	20		
1,1-Dichloroethene	13.3	13.4	20.0	66.5	67.0	0.7	65-125	20		
Toluene	18.8	19.7	20.0	94.0	98.5	4.7	70-130	20		
Trichloroethene	19.2	20.1	20.0	96.0	100.5	4.6	74-134	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene	456	455	500	91.2	91.0		86-115			
1,2-Dichloroethane-d4	453	471	500	90.6	94.2		76-114			
Toluene-d8	466	466	500	93.2	93.2		88-110			

Severn 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

05/16/2003 16:10

Page 8 of 8

**Metals**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/03/2003 11:00	Water	4

**Metals**

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/7/2003 05:21
Matrix: Water	QC Batch#: 2003/05/07-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	0.48	0.0050	mg/L	1.00	05/07/2003 11:56	

Severn 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 09:11



**Metals**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3010A  
Method Blank

Water

Test(s): 6010B

QC Batch # 2003/05/07-01.15

MB: 2003/05/07-01.15-055

Date Extracted: 05/07/2003 05:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	05/07/2003 11:10	

**Metals**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3010A

Test(s): 6010B

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/05/07-01.15**

LCS 2003/05/07-01.15-056

Extracted: 05/07/2003

Analyzed: 05/07/2003 11:14

LCSD 2003/05/07-01.15-059

Extracted: 05/07/2003

Analyzed: 05/07/2003 11:30

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chromium	0.476	0.478	0.500	95.2	95.6	0.4	80-120	20		

Severn 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 09:11

**Oil & Grease (Total) by EPA 1664**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Deanna - Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/03/2003 11:00	Water	4

**Oil & Grease (Total) by EPA 1664**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Deanna - Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 1664	Test(s): 1664
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/6/2003 00:00
Matrix: Water	QC Batch#: 2003/05/06-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	05/06/2003	

Severn 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

05/07/2003 20:01

**Oil & Grease (Total) by EPA 1664**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Deanna - Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 1664

Method Blank

MB: 2003/05/06-01.23-001

Water

Test(s): 1664

QC Batch # 2003/05/06-01.23

Date Extracted: 05/06/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	05/06/2003	

**Oil & Grease (Total) by EPA 1664**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Deanna - Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 1664

Test(s): 1664

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/05/06-01.23**

LCS 2003/05/06-01.23-002

Extracted: 05/06/2003

Analyzed: 05/06/2003

LCSD 2003/05/06-01.23-003

Extracted: 05/06/2003

Analyzed: 05/06/2003

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	39.4	38.8	40.0	98.5	97.0	1.5	79-114	18		

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/03/2003 11:00	Water	4

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.

Oakland, Ca.

Prep(s): 3510C/8270C

Test(s): 8270C

Sample ID: MW-3

Lab ID: 2003-05-0123 - 4

Sampled: 05/03/2003 11:00

Extracted: 5/6/2003 07:09

Matrix: Water

QC Batch#: 2003/05/06-01.11

Analysis Flag: Im ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	10	ug/L	5.00	05/07/2003 13:37	
Bis(2-chloroethyl)ether	ND	10	ug/L	5.00	05/07/2003 13:37	
2-Chlorophenol	ND	10	ug/L	5.00	05/07/2003 13:37	
1,3-Dichlorobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
1,4-Dichlorobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
Benzyl alcohol	ND	25	ug/L	5.00	05/07/2003 13:37	
1,2-Dichlorobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
2-Methylphenol	ND	10	ug/L	5.00	05/07/2003 13:37	
Bis(2-chloroisopropyl) ether	ND	10	ug/L	5.00	05/07/2003 13:37	
4-Methylphenol	ND	10	ug/L	5.00	05/07/2003 13:37	
N-Nitroso-di-n-propylamine	ND	10	ug/L	5.00	05/07/2003 13:37	
Hexachloroethane	ND	10	ug/L	5.00	05/07/2003 13:37	
Nitrobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
Isophorone	ND	10	ug/L	5.00	05/07/2003 13:37	
2-Nitrophenol	ND	10	ug/L	5.00	05/07/2003 13:37	
2,4-Dimethylphenol	ND	10	ug/L	5.00	05/07/2003 13:37	
Bis(2-chloroethoxy) methane	ND	25	ug/L	5.00	05/07/2003 13:37	
2,4-Dichlorophenol	ND	10	ug/L	5.00	05/07/2003 13:37	
1,2,4-Trichlorobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
Naphthalene	ND	10	ug/L	5.00	05/07/2003 13:37	
4-Chloroaniline	ND	10	ug/L	5.00	05/07/2003 13:37	
Hexachlorobutadiene	ND	10	ug/L	5.00	05/07/2003 13:37	
4-Chloro-3-methylphenol	ND	25	ug/L	5.00	05/07/2003 13:37	
2-Methylnaphthalene	ND	10	ug/L	5.00	05/07/2003 13:37	
Hexachlorocyclopentadiene	ND	25	ug/L	5.00	05/07/2003 13:37	
2,4,6-Trichlorophenol	ND	10	ug/L	5.00	05/07/2003 13:37	
2,4,5-Trichlorophenol	ND	10	ug/L	5.00	05/07/2003 13:37	
2-Chloronaphthalene	ND	10	ug/L	5.00	05/07/2003 13:37	

Severn 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 12:41



**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

 Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 3510C/8270C	Test(s): 8270C
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/6/2003 07:09
Matrix: Water	QC Batch#: 2003/05/06-01.11
Analysis Flag: Irn ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
2-Nitroaniline	ND	50	ug/L	5.00	05/07/2003 13:37	
Dimethyl phthalate	ND	25	ug/L	5.00	05/07/2003 13:37	
Acenaphthylene	ND	10	ug/L	5.00	05/07/2003 13:37	
3-Nitroaniline	ND	10	ug/L	5.00	05/07/2003 13:37	
Acenaphthene	ND	10	ug/L	5.00	05/07/2003 13:37	
2,4-Dinitrophenol	ND	50	ug/L	5.00	05/07/2003 13:37	
4-Nitrophenol	ND	50	ug/L	5.00	05/07/2003 13:37	
Dibenzofuran	ND	10	ug/L	5.00	05/07/2003 13:37	
2,4-Dinitrotoluene	ND	10	ug/L	5.00	05/07/2003 13:37	
2,6-Dinitrotoluene	ND	25	ug/L	5.00	05/07/2003 13:37	
Diethyl phthalate	ND	25	ug/L	5.00	05/07/2003 13:37	
4-Chlorophenyl phenyl ether	ND	25	ug/L	5.00	05/07/2003 13:37	
Fluorene	ND	10	ug/L	5.00	05/07/2003 13:37	
4-Nitroaniline	ND	50	ug/L	5.00	05/07/2003 13:37	
2-Methyl-4,6-dinitrophenol	ND	50	ug/L	5.00	05/07/2003 13:37	
N-Nitrosodiphenylamine	ND	10	ug/L	5.00	05/07/2003 13:37	
4-Bromophenyl phenyl ether	ND	25	ug/L	5.00	05/07/2003 13:37	
Hexachlorobenzene	ND	10	ug/L	5.00	05/07/2003 13:37	
Pentachlorophenol	ND	50	ug/L	5.00	05/07/2003 13:37	
Phenanthrene	ND	10	ug/L	5.00	05/07/2003 13:37	
Anthracene	ND	10	ug/L	5.00	05/07/2003 13:37	
Di-n-butyl phthalate	ND	25	ug/L	5.00	05/07/2003 13:37	
Fluoranthene	ND	10	ug/L	5.00	05/07/2003 13:37	
Pyrene	ND	10	ug/L	5.00	05/07/2003 13:37	
Butyl benzyl phthalate	ND	25	ug/L	5.00	05/07/2003 13:37	
3,3-Dichlorobenzidine	ND	25	ug/L	5.00	05/07/2003 13:37	
Benzo(a)anthracene	ND	10	ug/L	5.00	05/07/2003 13:37	
bis(2-Ethylhexyl) phthalate	ND	50	ug/L	5.00	05/07/2003 13:37	

Severn Trent Laboratories, Inc.

05/19/2003 12:41

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

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 3510C/8270C	Test(s): 8270C
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/6/2003 07:09
Matrix: Water	QC Batch#: 2003/05/06-01.11
Analysis Flag: Im ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chrysene	ND	10	ug/L	5.00	05/07/2003 13:37	
Di-n-octyl phthalate	ND	25	ug/L	5.00	05/07/2003 13:37	
Benzo(b)fluoranthene	ND	10	ug/L	5.00	05/07/2003 13:37	
Benzo(k)fluoranthene	ND	10	ug/L	5.00	05/07/2003 13:37	
Benzo(a)pyrene	ND	10	ug/L	5.00	05/07/2003 13:37	
Indeno(1,2,3-c,d)pyrene	ND	10	ug/L	5.00	05/07/2003 13:37	
Dibenzo(a,h)anthracene	ND	10	ug/L	5.00	05/07/2003 13:37	
Benzo(g,h,i)perylene	ND	10	ug/L	5.00	05/07/2003 13:37	
Benzoic acid	ND	50	ug/L	5.00	05/07/2003 13:37	
<b>Surrogates(s)</b>						
Nitrobenzene-d5	54.6	35-114	%	5.00	05/07/2003 13:37	
2-Fluorobiphenyl	52.8	43-116	%	5.00	05/07/2003 13:37	
p-Terphenyl-d14	67.2	33-141	%	5.00	05/07/2003 13:37	
2-Fluorophenol	24.1	25-100	%	5.00	05/07/2003 13:37	sl
Phenol-d6	18.2	10-110	%	5.00	05/07/2003 13:37	
2,4,6-Tribromophenol	58.6	10-123	%	5.00	05/07/2003 13:37	

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

Method Blank

Water

QC Batch # 2003/05/06-01.11

MB: 2003/05/06-01.11-001

Date Extracted: 05/06/2003 07:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	05/06/2003 12:49	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	05/06/2003 12:49	
2-Chlorophenol	ND	2.0	ug/L	05/06/2003 12:49	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/06/2003 12:49	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/06/2003 12:49	
Benzyl alcohol	ND	5.0	ug/L	05/06/2003 12:49	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/06/2003 12:49	
2-Methylphenol	ND	2.0	ug/L	05/06/2003 12:49	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	05/06/2003 12:49	
4-Methylphenol	ND	2.0	ug/L	05/06/2003 12:49	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	05/06/2003 12:49	
Hexachloroethane	ND	2.0	ug/L	05/06/2003 12:49	
Nitrobenzene	ND	2.0	ug/L	05/06/2003 12:49	
Isophorone	ND	2.0	ug/L	05/06/2003 12:49	
2-Nitrophenol	ND	2.0	ug/L	05/06/2003 12:49	
2,4-Dimethylphenol	ND	2.0	ug/L	05/06/2003 12:49	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	05/06/2003 12:49	
2,4-Dichlorophenol	ND	2.0	ug/L	05/06/2003 12:49	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/06/2003 12:49	
Naphthalene	ND	2.0	ug/L	05/06/2003 12:49	
4-Chloroaniline	ND	2.0	ug/L	05/06/2003 12:49	
Hexachlorobutadiene	ND	2.0	ug/L	05/06/2003 12:49	
4-Chloro-3-methylphenol	ND	5.0	ug/L	05/06/2003 12:49	
2-Methylnaphthalene	ND	2.0	ug/L	05/06/2003 12:49	
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/06/2003 12:49	
2,4,6-Trichlorophenol	ND	2.0	ug/L	05/06/2003 12:49	
2,4,5-Trichlorophenol	ND	2.0	ug/L	05/06/2003 12:49	
2-Chloronaphthalene	ND	2.0	ug/L	05/06/2003 12:49	

Severn Trent Laboratories, Inc.

05/19/2003 12:41

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

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510C/8270C  
Method Blank  
MB: 2003/05/06-01.11-001

Water

Test(s): 8270C  
QC Batch # 2003/05/06-01.11  
Date Extracted: 05/06/2003 07:09

Compound	Conc.	RL	Unit	Analyzed	Flag
2-Nitroaniline	ND	10	ug/L	05/06/2003 12:49	
Dimethyl phthalate	ND	5.0	ug/L	05/06/2003 12:49	
Acenaphthylene	ND	2.0	ug/L	05/06/2003 12:49	
3-Nitroaniline	ND	2.0	ug/L	05/06/2003 12:49	
Acenaphthene	ND	2.0	ug/L	05/06/2003 12:49	
2,4-Dinitrophenol	ND	10	ug/L	05/06/2003 12:49	
4-Nitrophenol	ND	10	ug/L	05/06/2003 12:49	
Dibenzofuran	ND	2.0	ug/L	05/06/2003 12:49	
2,4-Dinitrotoluene	ND	2.0	ug/L	05/06/2003 12:49	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/06/2003 12:49	
Diethyl phthalate	ND	5.0	ug/L	05/06/2003 12:49	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/06/2003 12:49	
Fluorene	ND	2.0	ug/L	05/06/2003 12:49	
4-Nitroaniline	ND	10	ug/L	05/06/2003 12:49	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	05/06/2003 12:49	
N-Nitrosodiphenylamine	ND	2.0	ug/L	05/06/2003 12:49	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/06/2003 12:49	
Hexachlorobenzene	ND	2.0	ug/L	05/06/2003 12:49	
Pentachlorophenol	ND	10	ug/L	05/06/2003 12:49	
Phenanthrene	ND	2.0	ug/L	05/06/2003 12:49	
Anthracene	ND	2.0	ug/L	05/06/2003 12:49	
Di-n-butyl phthalate	ND	5.0	ug/L	05/06/2003 12:49	
Fluoranthene	ND	2.0	ug/L	05/06/2003 12:49	
Pyrene	ND	2.0	ug/L	05/06/2003 12:49	
Butyl benzyl phthalate	ND	5.0	ug/L	05/06/2003 12:49	
3,3-Dichlorobenzidine	ND	5.0	ug/L	05/06/2003 12:49	
Benzo(a)anthracene	ND	2.0	ug/L	05/06/2003 12:49	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	05/06/2003 12:49	

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80  
Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510C/8270C

Method Blank

MB: 2003/05/06-01.11-001

Water

Test(s): 8270C

QC Batch # 2003/05/06-01.11

Date Extracted: 05/06/2003 07:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Chrysene	ND	2.0	ug/L	05/06/2003 12:49	
Di-n-octyl phthalate	ND	5.0	ug/L	05/06/2003 12:49	
Benzo(b)fluoranthene	ND	2.0	ug/L	05/06/2003 12:49	
Benzo(k)fluoranthene	ND	2.0	ug/L	05/06/2003 12:49	
Benzo(a)pyrene	ND	2.0	ug/L	05/06/2003 12:49	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	05/06/2003 12:49	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	05/06/2003 12:49	
Benzo(g,h,i)perylene	ND	2.0	ug/L	05/06/2003 12:49	
Benzoic acid	ND	10	ug/L	05/06/2003 12:49	
<b>Surrogates(s)</b>					
Nitrobenzene-d5	73.2	35-114	%	05/06/2003 12:49	
2-Fluorobiphenyl	68.2	43-116	%	05/06/2003 12:49	
p-Terphenyl-d14	91.4	33-141	%	05/06/2003 12:49	
2-Fluorophenol	46.5	25-100	%	05/06/2003 12:49	
Phenol-d6	36.3	10-110	%	05/06/2003 12:49	
2,4,6-Tribromophenol	79.3	10-123	%	05/06/2003 12:49	

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike

Water

QC Batch # 2003/05/06-01.11

LCS 2003/05/06-01.11-002

Extracted: 05/06/2003

Analyzed: 05/06/2003 14:21

LCSD 2003/05/06-01.11-003

Extracted: 05/06/2003

Analyzed: 05/06/2003 14:50

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Phenol	14.9	18.4	60.0	24.8	30.7	21.3	12-89	35		
2-Chlorophenol	38.0	42.5	60.0	63.3	70.8	11.2	23-134	25		
1,4-Dichlorobenzene	15.4	17.7	30.0	51.3	59.0	14.0	36-97	30		
N-Nitroso-di-n-propylamine	22.2	25.6	30.0	74.0	85.3	14.2	10-130	34		
1,2,4-Trichlorobenzene	17.8	20.1	30.0	59.3	67.0	12.2	44-142	35		
4-Chloro-3-methylphenol	41.6	48.5	60.0	69.3	80.8	15.3	22-147	31		
Acenaphthene	23.6	22.2	30.0	78.7	74.0	6.2	56-118	30		
4-Nitrophenol	23.1	20.4	60.0	38.5	34.0	12.4	1-132	35		
2,4-Dinitrotoluene	25.1	27.8	30.0	83.7	92.7	10.2	39-139	35		
Pentachlorophenol	49.5	42.3	60.0	82.5	70.5	15.7	45-125	35		
Pyrene	25.4	27.5	30.0	84.7	91.7	7.9	52-115	35		
<b>Surrogates(s)</b>										
Nitrobenzene-d5	17.9	19.9	25	71.5	79.6		35-114			
2-Fluorobiphenyl	16.1	16.7	25	64.4	66.8		43-116			
p-Terphenyl-d14	22.0	21.6	25	87.9	86.4		33-141			
2-Fluorophenol	20.2	23.7	50	40.4	47.4		25-100			
Phenol-d6	16.2	19.4	50	32.4	38.8		10-110			
2,4,6-Tribromophenol	42.7	44.9	50	85.3	89.7		10-123			

Severn 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 12:41

**Semi-volatile analysis by GC/MS - EPA8270C**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

---

**Legend and Notes**

---

**Analysis Flag**

lm

Reporting limits raised due to high level of non-target analyte materials.

**Result Flag**

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-3	05/03/2003 11:00	Water	4



**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-3	Lab ID: 2003-05-0123 - 4
Sampled: 05/03/2003 11:00	Extracted: 5/6/2003 11:10
Matrix: Water	QC Batch#: 2003/05/06-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/10/2003 06:59	
<b>Surrogates(s)</b>						
o-Terphenyl	96.1	60-130	%	1.00	05/10/2003 06:59	

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510/8015M

Method Blank

MB: 2003/05/06-04.10-003

Water

Test(s): 8015M

QC Batch # 2003/05/06-04.10

Date Extracted: 05/06/2003 11:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	05/06/2003 18:17	
<i>Surrogates(s)</i> o-Terphenyl	97.0	60-130	%	05/06/2003 18:17	

Severn 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 15:03

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 05/05/2003 17:16

Site: 3070 Fruitvale Ave.  
Oakland, Ca.

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/05/06-04.10**

LCS 2003/05/06-04.10-001

Extracted: 05/06/2003

Analyzed: 05/06/2003 13:18

LCSD 2003/05/06-04.10-002

Extracted: 05/06/2003

Analyzed: 05/06/2003 13:55

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	809	858	1000	80.9	85.8	5.9	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	21.0	20.9	20.0	105.1	104.5		60-130	0		