



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County

January 15, 2003

G-R #180255

JAN 31 2003

Environmental Health

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

CC: Mr. David Vessler
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	January 14, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 26, 2002

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 **January 28, 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.

January 14, 2003
G-R Job #180255

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

RE: Fourth Quarter Event of November 26, 2002
Groundwater Monitoring & Sampling Report
Tosco (76) Service Station #4625
3070 Fruitvale Avenue
Oakland, California

Dear Mr. De Witt:

This report documents the well development and 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.

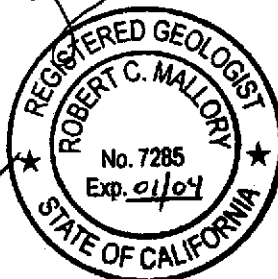
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody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

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

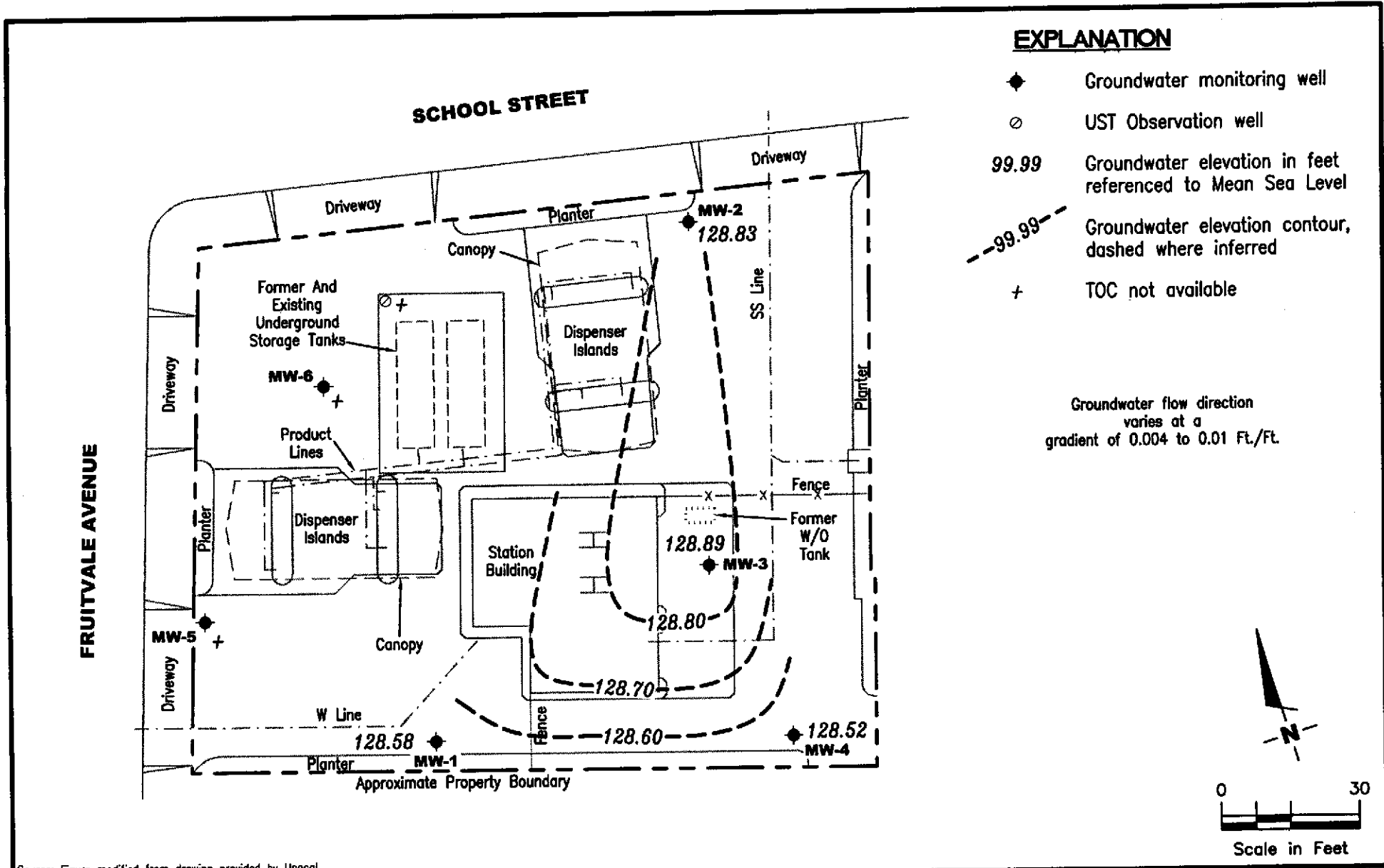
Sincerely,

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



Source: Figure modified from drawing provided by Unocal.

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

FIGURE
1

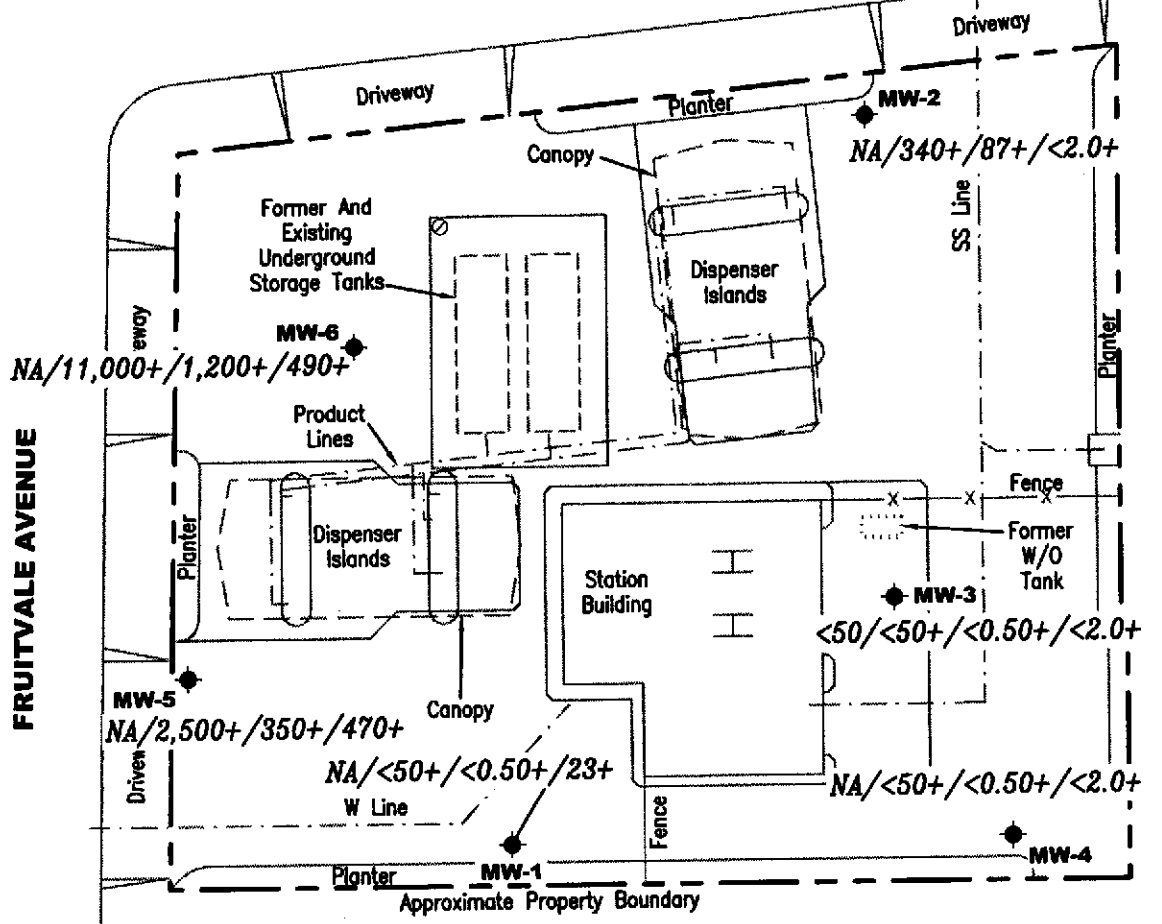
PROJECT NUMBER
180255

REVIEWED BY

DATE
 November 26, 2002

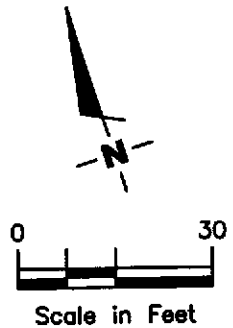
REVISED DATE

SCHOOL STREET



EXPLANATION

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



Source: Figure modified from drawing provided by Unocal.

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

FIGURE
2

PROJECT NUMBER
 180255

REVIEWED BY

DATE
 November 26, 2002

REVISED DATE

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)
MW-1 136.36	05/03/00	11.81	5.0-25.0	124.55	--	ND	ND	ND	ND	ND	11/14 ²
	07/28/00	7.79		128.57	--	ND	ND	ND	ND	ND	21/19 ²
	10/29/00	7.90		128.46	--	62 ¹	ND	ND	ND	ND	6.5/3.9 ²
	02/09/01	7.95		128.41	--	ND	ND	ND	ND	ND	9.0/9.0 ²
	05/11/01	7.22		129.14	--	ND	ND	ND	ND	ND	12.7/16.3 ²
	08/10/01	8.47		127.89	--	<50	<0.50	<0.50	<0.50	<0.50	17/19 ⁷
	11/07/01	8.10		128.26	--	<50	<0.50	<0.50	<0.50	<0.50	22/26 ²
	02/06/02	6.84		129.52	--	<50	<0.50	<0.50	<0.50	<0.50	14/18 ²
	05/08/02	7.29		129.07	--	<50	<0.50	<0.50	<0.50	<0.50	20/19 ²
	08/09/02 ⁹	8.20		128.16	--	57 ⁸	<0.50	<0.50	<0.50	<1.0	22
	11/26/02 ⁹	7.78		128.58	--	<50	<0.50	<0.50	<0.50	<1.0	23
MW-2 138.64	05/03/00	8.59	5.0-25.0	130.05	--	2,400 ¹	53	ND ³	ND ³	240	³ ND/ND ²
	07/28/00	9.95		128.69	--	2,200 ¹	680	4.1	57	270	24/ND ²
	10/29/00	8.38		130.26	--	490 ¹	67	ND ³	23	22	ND ³
	02/09/01	8.41		130.23	--	ND	3.1	ND	0.52	1.1	ND
	05/11/01	8.93		129.71	--	ND	1.99	ND	ND	ND	ND
	08/10/01	10.68		127.96	--	96 ¹	20	<0.50	2.1	9.4	<5.0
	11/07/01	10.01		128.63	--	480 ¹	110	<1.0	26	42	<10
	02/06/02	8.10		130.54	--	69 ¹	13	<0.50	0.84	4.4	<5.0
	05/08/02	9.16		129.48	--	53 ¹	13	<0.50	1.2	1.5	<5.0
	08/09/02 ⁹	10.39		128.25	--	140	20	<0.50	10	11	<2.0
	11/26/02 ⁹	9.81		128.83	--	340	87	<0.50	33	23	<2.0
MW-3 137.68	05/03/00	7.60	5.0-25.0	130.08	93 ⁵	ND	ND	ND	ND	ND	ND/ND ⁴
	07/28/00	8.82		128.86	ND ³	ND	ND	ND	ND	ND	ND/ND ⁴
	10/29/00	7.33		130.35	ND	ND	ND	ND	ND	ND	ND

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)
MW-3 (cont)	02/09/01	7.40	5.0-25.0	130.28	72 ⁶	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 ⁸	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/07/01	9.03		128.65	88 ⁸	<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 ⁹	9.27		128.41	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 ⁹	8.79		128.89	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-4 136.60	05/03/00	6.48	5.0-25.0	130.12	--	ND	ND	ND	ND	ND	ND/ND ²
	07/28/00	7.55		129.05	--	ND	ND	ND	ND	ND	ND
	10/29/00	6.12		130.48	--	ND	ND	ND	ND	ND	ND
	02/09/01	6.14		130.46	--	ND	ND	ND	ND	ND	ND
	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 ⁹	7.67		128.93	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 ⁹	8.08		128.52	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-5	11/26/02 ^{9,10}	9.89	5.0-25.0	--	--	2,500	350	39	32	640	470
MW-6	11/26/02 ^{9,10}	9.19	5.0-25.0	--	--	11,000	1,200	2,000	400	2,300	490

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)
UST OBSERVATION WELL											
	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		--	--	--	--	--	--	--	--
Trip Blank											
TB-LB	05/03/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/28/00	--		--	--	ND	ND	ND	ND	ND	ND
	10/29/00	--		--	--	ND	ND	ND	ND	ND	ND
	02/09/01	--		--	--	ND	ND	ND	ND	ND	ND
	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	<5.0
	05/08/02	--		--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
QA	08/09/02 ⁹	--		--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	11/26/02 ⁹	--		--	--	<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	TPH-D = Total Petroleum Hydrocarbons as Diesel TPH-G = Total Petroleum Hydrocarbons as Gasoline	(ppb) = Parts per billion ND = Not Detected
DTW = Depth to Water	B = Benzene	-- = Not Measured/Not Analyzed
S.I. = Screen Interval	T = Toluene	QA = Quality Assurance/Trip Blank
(ft.bgs) = Feet Below Ground Surface	E = Ethylbenzene	
GWE = Groundwater Elevation	X = Xylenes	
(msl) = Mean sea level	MTBE = Methyl tertiary butyl ether	

- * TOC elevations were surveyed based on a cut square on School Street, City of Oakland Benchmark No. 3783, (Elevation = 136.99 feet, msl).
- ¹ Laboratory report indicates gasoline C6-C12.
- ² MTBE by EPA Method 8260.
- ³ Detection limit raised. Refer to analytical reports.
- ⁴ MTBE by EPA Method 8240.
- ⁵ Laboratory report indicates unidentified hydrocarbons C9-C24.
- ⁶ Laboratory report indicates discrete peaks.
- ⁷ MTBE by EPA Method 8260 was analyzed beyond the EPA recommended holding time.
- ⁸ Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- ⁹ TPH-G, BTEX and MTBE by EPA Method 8260.
- ¹⁰ Well development performed.

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 ¹	--	--	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 ²	--	<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 ³	<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

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

- 1 All VOCs by EPA Method 8240 were ND, except for Tetrachloroethene (PCE) was detected at 2.7 ppb.
- 2 All VOCs by EPA Method 8021 were less than the reporting limit, except for Trichloroethane (TCE) was detected at 0.55 ppb.
- 3 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 ¹	<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
MW-2	11/26/02	--	--	<2.0	--	--	--	--	--
MW-3	07/28/00	--	ND	ND	ND	ND	ND	ND	ND
	11/26/02	--	--	<2.0	--	--	--	--	--
MW-4	11/26/02	--	--	<2.0	--	--	--	--	--
MW-5	11/26/02	<5,000	<1,000	470	<20	<20	<20	<20	<20
MW-6	11/26/02	<10,000	<2,000	490	<40	<40	<40	<40	<40

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

¹ Laboratory report indicates sample was analyzed beyond the EPA recommended holding time.

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 #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-26-07 (inclusive)
 City: Oakland, CA Sampler: G.R.

Well ID: MW-1 Date Monitored: 11-26-07 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 25.10 ft.
 Depth to Water: 7.78 ft.
 $17.32 \times VF 0.17 = 2.94 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 9 \text{ gal.}$

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 / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0600 Weather Conditions: Clear
 Sample Time/Date: 0635 / 11-26-07 Water Color: Clear Odor: Nil
 Purging Flow Rate: ~1.0 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>0610</u>	<u>3</u>	<u>7.45</u>	<u>439</u>	<u>29.7</u>	_____	_____
<u>0615</u>	<u>6</u>	<u>7.41</u>	<u>428</u>	<u>29.9</u>	_____	_____
<u>0620</u>	<u>9</u>	<u>7.40</u>	<u>431</u>	<u>30.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: * New well depth

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-26-07 (inclusive)
 City: Oakland, CA Sampler: G. Res

Well ID: MW-2 Date Monitored: 11-26-07 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 19.80 ft.

Depth to Water: 9.81 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

9.99 xVF 0.17 = 1.69 x3 (case volume) = Estimated Purge Volume: 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: 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): 0645 Weather Conditions: Clear
 Sample Time/Date: 0720/11-26-07 Water Color: Brown Odor: No
 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 (C/F)	D.O. (mg/L)	ORP (mV)
<u>0655</u>	<u>2</u>	<u>7.67</u>	<u>1775</u>	<u>29.9</u>	_____	_____
<u>0700</u>	<u>4</u>	<u>7.60</u>	<u>1772</u>	<u>29.9</u>	_____	_____
<u>0705</u>	<u>5</u>	<u>7.61</u>	<u>1769</u>	<u>29.9</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)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New well drift

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-24-02 (inclusive)
 City: Oakland, CA Sampler: GJR

Well ID: MW-3 Date Monitored: 11-24-02 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 24.70 ft.
 Depth to Water: 8.79 ft.
 Volume Factor (VF) table:

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

 Estimated Purge Volume: $1591 \times VF \ 0.17 = 270 \times 3 \text{ (case volume)} = 8.5 \text{ gal.}$

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): 1030 Weather Conditions: Clear
 Sample Time/Date: 11/10/11-26-02 Water Color: light Brown Odor: NO
 Purging Flow Rate: 21.0 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1040</u>	<u>3</u>	<u>7.14</u>	<u>259</u>	<u>30.8</u>		
<u>1045</u>	<u>6</u>	<u>7.07</u>	<u>251</u>	<u>30.8</u>		
<u>1050</u>	<u>8.5</u>	<u>7.05</u>	<u>254</u>	<u>30.9</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)
	1 x Amber	YES	NP	STL Pleasanton	TPH-D
	3 x voa vial	YES	HCL	STL Pleasanton	VOC'S(8240)
	2 x Amber	YES	NP	STL Pleasanton	SVOC'S(8270)
	1 x Amber	YES	HCL	STL Pleasanton	TOG(Total Oil & Grease)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	Total Chromium

COMMENTS: New well depth

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-24-03 (inclusive)
 City: Oakland, CA Sampler: GR

Well ID: MW-4 Date Monitored: 11-26-03 Well Condition: ok
 Well Diameter: 2 in.
 Total Depth: 24.65 ft.
 Depth to Water: 8.08 ft.
16.57 xVF 0.17 = 2.81 x3 (case volume) = Estimated Purge Volume: 8.5 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 / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0945 Weather Conditions: Clear
 Sample Time/Date: 1025 / 11-26-03 Water Color: Clear Odor: NO
 Purging Flow Rate: 7.0 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0955</u>	<u>3</u>	<u>7.69</u>	<u>433</u>	<u>29.3</u>	_____	_____
<u>1000</u>	<u>4</u>	<u>7.64</u>	<u>429</u>	<u>29.3</u>	_____	_____
<u>1005</u>	<u>8.5</u>	<u>7.42</u>	<u>427</u>	<u>29.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: New well data

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-26-07
 City: Oakland, CA Sampler: G.R.

Well ID: MW-5 Well Condition: OK
 Well Diameter: 2 in.
 Initial Total Depth: 24.00 ft.
 Final Total Depth: 24.40 ft.
 Depth to Water: 9.89 ft.
14.11 x VF 0.17 = 2.39¹⁰ (case volume) = Estimated Purge Volume: 24 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 / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0840 Weather Conditions: Clear
 Sample Time/Date: 0930 / 11-26-07 Water Color: Light Brown Odor: NO
 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>0850</u>	<u>2</u> <u>4</u>	<u>7.56</u>	<u>285</u>	<u>29.8</u>		
<u>0855</u>	<u>6</u> <u>8</u>	<u>7.36</u>	<u>517</u>	<u>29.7</u>		
<u>0900</u>	<u>10</u> <u>12</u>	<u>7.38</u>	<u>511</u>	<u>29.8</u>		
<u>0905</u>	<u>14</u> <u>16</u>	<u>7.35</u>	<u>514</u>	<u>29.7</u>		
<u>0910</u>	<u>18</u> <u>24</u>	<u>7.38</u>	<u>516</u>	<u>30.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>5 x voc vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: _____

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-26-07
 City: Oakland, CA Sampler: GR

Well ID: MW-6 Well Condition: OK
 Well Diameter: 2 in.
 Initial Total Depth: 21.60 ft.
 Final Total Depth: 23.60 ft.
 Depth to Water: 9.19 ft.
17.41 xVF 0.17 = 2.11 ¹⁰ x2 (case volume) = Estimated Purge Volume: 21 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 _____
 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): 0730 Weather Conditions: Clear
 Sample Time/Date: 0825 11-26-07 Water Color: Brown Odor: NO
 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 (°C/°F)	D.O. (mg/L)	ORP (mV)
	<u>2</u>					
<u>0740</u>	<u>4</u>	<u>7.25</u>	<u>544</u>	<u>29.3</u>		
	<u>6</u>					
<u>0745</u>	<u>8</u>	<u>7.18</u>	<u>503</u>	<u>30.4</u>		
	<u>10</u>					
<u>0750</u>	<u>12</u>	<u>7.26</u>	<u>499</u>	<u>28.9</u>		
	<u>14</u>					
<u>0755</u>	<u>16</u>	<u>7.35</u>	<u>440</u>	<u>29.7</u>		
	<u>18</u>					
<u>0800</u>	<u>21</u>	<u>7.31</u>	<u>436</u>	<u>29.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>5</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #4625 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 11-26-07 (inclusive)
 City: Oakland, CA Sampler: G.A.

Well ID: ~~1111~~ USTW Date Monitored: 11-26-07 Well Condition: OK
 Well Diameter: 6 in.
 Total Depth: 976 ft. -15.20*
 Depth to Water: 916 ft.
 xVF = _____ x3 (case volume) = Estimated Purge Volume: _____ 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): _____ Weather Conditions: _____
 Sample Time/Date: 1 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 (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS: Monitor Only New well depth

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

Gettler Ryan

December 19, 2002

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180255.80

Project: Tosco #4625

Site: 3070 Fruitvale Ave.
Oakland, CA

Dear Ms. Harding,

Attached is our report for your samples received on 11/27/2002 13:25

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 01/11/2003 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

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: 11/27/2002 13:25

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

Sample Name	Date Sampled	Matrix	Lab #
QA	11/26/2002	Water	1
MW-1	11/26/2002 06:35	Water	2
MW-2	11/26/2002 07:20	Water	3
MW-3	11/26/2002 11:10	Water	4
MW-4	11/26/2002 10:25	Water	5
MW-5	11/26/2002 09:30	Water	6
MW-6	11/26/2002 08:25	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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2002-11-0628 - 1
Sampled:	11/26/2002	Extracted:	12/6/2002 20:42
Matrix:	Water	QC Batch#:	2002/12/06-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/06/2002 20:42	
Benzene	ND	0.50	ug/L	1.00	12/06/2002 20:42	
Toluene	ND	0.50	ug/L	1.00	12/06/2002 20:42	
Ethylbenzene	ND	0.50	ug/L	1.00	12/06/2002 20:42	
Total xylenes	ND	1.0	ug/L	1.00	12/06/2002 20:42	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	12/06/2002 20:42	
Surrogates(s)						
1,2-Dichloroethane-d4	92.4	76-114	%	1.00	12/06/2002 20:42	
Toluene-d8	96.8	88-110	%	1.00	12/06/2002 20:42	

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: 11/27/2002 13:25

 Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2002-11-0628 - 2
Sampled:	11/26/2002 06:35	Extracted:	12/6/2002 21:03
Matrix:	Water	QC Batch#:	2002/12/06-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/06/2002 21:03	
Benzene	ND	0.50	ug/L	1.00	12/06/2002 21:03	
Toluene	ND	0.50	ug/L	1.00	12/06/2002 21:03	
Ethylbenzene	ND	0.50	ug/L	1.00	12/06/2002 21:03	
Total xylenes	ND	1.0	ug/L	1.00	12/06/2002 21:03	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	12/06/2002 21:03	
Methyl tert-butyl ether (MTBE)	23	2.0	ug/L	1.00	12/06/2002 21:03	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	12/06/2002 21:03	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	12/06/2002 21:03	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	12/06/2002 21:03	
1,2-DCA	ND	2.0	ug/L	1.00	12/06/2002 21:03	
EDB	ND	2.0	ug/L	1.00	12/06/2002 21:03	
Ethanol	ND	500	ug/L	1.00	12/06/2002 21:03	
Surrogates(s)						
1,2-Dichloroethane-d4	93.7	76-114	%	1.00	12/06/2002 21:03	
Toluene-d8	100.1	88-110	%	1.00	12/06/2002 21:03	

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

12/10/2002 17:50

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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2002-11-0628 - 3
Sampled:	11/26/2002 07:20	Extracted:	12/9/2002 13:51
Matrix:	Water	QC Batch#:	2002/12/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	340	50	ug/L	1.00	12/09/2002 13:51	
Benzene	87	0.50	ug/L	1.00	12/09/2002 13:51	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 13:51	
Ethylbenzene	33	0.50	ug/L	1.00	12/09/2002 13:51	
Total xylenes	23	1.0	ug/L	1.00	12/09/2002 13:51	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	12/09/2002 13:51	
Surrogates(s)						
1,2-Dichloroethane-d4	89.9	76-114	%	1.00	12/09/2002 13:51	
Toluene-d8	99.0	88-110	%	1.00	12/09/2002 13:51	

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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/9/2002 14:13
Matrix:	Water	QC Batch#:	2002/12/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/09/2002 14:13	
Benzene	ND	0.50	ug/L	1.00	12/09/2002 14:13	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 14:13	
Ethylbenzene	ND	0.50	ug/L	1.00	12/09/2002 14:13	
Total xylenes	ND	1.0	ug/L	1.00	12/09/2002 14:13	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	12/09/2002 14:13	
Surrogates(s)						
1,2-Dichloroethane-d4	90.3	76-114	%	1.00	12/09/2002 14:13	
Toluene-d8	99.9	88-110	%	1.00	12/09/2002 14:13	

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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2002-11-0628 - 5
Sampled:	11/26/2002 10:25	Extracted:	12/9/2002 14:35
Matrix:	Water	QC Batch#:	2002/12/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/09/2002 14:35	
Benzene	ND	0.50	ug/L	1.00	12/09/2002 14:35	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 14:35	
Ethylbenzene	ND	0.50	ug/L	1.00	12/09/2002 14:35	
Total xylenes	ND	1.0	ug/L	1.00	12/09/2002 14:35	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	12/09/2002 14:35	
Surrogates(s)						
1,2-Dichloroethane-d4	89.0	76-114	%	1.00	12/09/2002 14:35	
Toluene-d8	99.2	88-110	%	1.00	12/09/2002 14:35	

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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2002-11-0628 - 6
Sampled:	11/26/2002 09:30	Extracted:	12/10/2002 13:21
Matrix:	Water	QC Batch#:	2002/12/10-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2500	500	ug/L	10.00	12/10/2002 13:21	
Benzene	350	5.0	ug/L	10.00	12/10/2002 13:21	
Toluene	39	5.0	ug/L	10.00	12/10/2002 13:21	
Ethylbenzene	32	5.0	ug/L	10.00	12/10/2002 13:21	
Total xylenes	640	10	ug/L	10.00	12/10/2002 13:21	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	10.00	12/10/2002 13:21	
Methyl tert-butyl ether (MTBE)	470	20	ug/L	10.00	12/10/2002 13:21	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	12/10/2002 13:21	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	12/10/2002 13:21	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	12/10/2002 13:21	
1,2-DCA	ND	20	ug/L	10.00	12/10/2002 13:21	
EDB	ND	20	ug/L	10.00	12/10/2002 13:21	
Ethanol	ND	5000	ug/L	10.00	12/10/2002 13:21	
Surrogates(s)						
1,2-Dichloroethane-d4	85.1	76-114	%	10.00	12/10/2002 13:21	
Toluene-d8	95.8	88-110	%	10.00	12/10/2002 13:21	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2002-11-0628 - 7
Sampled:	11/26/2002 08:25	Extracted:	12/10/2002 13:48
Matrix:	Water	QC Batch#:	2002/12/10-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	11000	1000	ug/L	20.00	12/10/2002 13:48	
Benzene	1200	10	ug/L	20.00	12/10/2002 13:48	
Toluene	2000	10	ug/L	20.00	12/10/2002 13:48	
Ethylbenzene	400	10	ug/L	20.00	12/10/2002 13:48	
Total xylenes	2300	20	ug/L	20.00	12/10/2002 13:48	
tert-Butyl alcohol (TBA)	ND	2000	ug/L	20.00	12/10/2002 13:48	
Methyl tert-butyl ether (MTBE)	490	40	ug/L	20.00	12/10/2002 13:48	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	12/10/2002 13:48	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	12/10/2002 13:48	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	12/10/2002 13:48	
1,2-DCA	ND	40	ug/L	20.00	12/10/2002 13:48	
EDB	ND	40	ug/L	20.00	12/10/2002 13:48	
Ethanol	ND	10000	ug/L	20.00	12/10/2002 13:48	
Surrogates(s)						
1,2-Dichloroethane-d4	87.0	76-114	%	20.00	12/10/2002 13:48	
Toluene-d8	99.4	88-110	%	20.00	12/10/2002 13:48	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/12/06-01.27-008

Water

Test(s): 8260FAB

QC Batch # 2002/12/06-01.27

Date Extracted: 12/06/2002 11:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/06/2002 11:53	
Benzene	ND	0.5	ug/L	12/06/2002 11:53	
Toluene	ND	0.5	ug/L	12/06/2002 11:53	
Ethylbenzene	ND	0.5	ug/L	12/06/2002 11:53	
Total xylenes	ND	1.0	ug/L	12/06/2002 11:53	
tert-Butyl alcohol (TBA)	ND	100	ug/L	12/06/2002 11:53	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	12/06/2002 11:53	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/06/2002 11:53	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/06/2002 11:53	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/06/2002 11:53	
1,2-DCA	ND	2.0	ug/L	12/06/2002 11:53	
EDB	ND	2.0	ug/L	12/06/2002 11:53	
Ethanol	ND	500	ug/L	12/06/2002 11:53	
Surrogates(s)					
1,2-Dichloroethane-d4	86.0	76-114	%	12/06/2002 11:53	
Toluene-d8	98.8	88-110	%	12/06/2002 11:53	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2002/12/09-01.27	
MB: 2002/12/09-01.27-017				Date Extracted: 12/09/2002 12:15	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/09/2002 12:15	
Benzene	ND	0.5	ug/L	12/09/2002 12:15	
Toluene	ND	0.5	ug/L	12/09/2002 12:15	
Ethylbenzene	ND	0.5	ug/L	12/09/2002 12:15	
Total xylenes	ND	1.0	ug/L	12/09/2002 12:15	
tert-Butyl alcohol (TBA)	ND	100	ug/L	12/09/2002 12:15	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	12/09/2002 12:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/09/2002 12:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/09/2002 12:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/09/2002 12:15	
1,2-DCA	ND	2.0	ug/L	12/09/2002 12:15	
EDB	ND	2.0	ug/L	12/09/2002 12:15	
Ethanol	ND	500	ug/L	12/09/2002 12:15	
Surrogates(s)					
1,2-Dichloroethane-d4	83.4	76-114	%	12/09/2002 12:15	
Toluene-d8	98.0	88-110	%	12/09/2002 12:15	

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Gas/BTEX Fuel Oxygenates by 8260B

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/12/10-01.27-006

Water

Test(s): 8260FAB

QC Batch # 2002/12/10-01.27

Date Extracted: 12/10/2002 12:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/10/2002 12:54	
Benzene	ND	0.5	ug/L	12/10/2002 12:54	
Toluene	ND	0.5	ug/L	12/10/2002 12:54	
Ethylbenzene	ND	0.5	ug/L	12/10/2002 12:54	
Total xylenes	ND	1.0	ug/L	12/10/2002 12:54	
tert-Butyl alcohol (TBA)	ND	100	ug/L	12/10/2002 12:54	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	12/10/2002 12:54	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/10/2002 12:54	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/10/2002 12:54	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/10/2002 12:54	
1,2-DCA	ND	2.0	ug/L	12/10/2002 12:54	
EDB	ND	2.0	ug/L	12/10/2002 12:54	
Ethanol	ND	500	ug/L	12/10/2002 12:54	
Surrogates(s)					
1,2-Dichloroethane-d4	85.4	76-114	%	12/10/2002 12:54	
Toluene-d8	96.9	88-110	%	12/10/2002 12:54	

Gas/BTEX Fuel Oxygenates by 8260B

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report										
Prep(s): 5030B							Test(s): 8260FAB			
Laboratory Control Spike					Water		QC Batch # 2002/12/06-01.27			
LCS	2002/12/06-01.27-004			Extracted: 12/06/2002		Analyzed: 12/06/2002 11:04				
LCSD	2002/12/06-01.27-005			Extracted: 12/06/2002		Analyzed: 12/06/2002 11:30				
Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	25.4	25.3	25.0	101.6	101.2	0.4	69-129	20		
Toluene	24.8	25.1	25.0	99.2	100.4	1.2	70-130	20		
Methyl tert-butyl ether (MTBE)	23.3	24.4	25.0	93.2	97.6	4.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	428	420	500	85.6	84.0		76-114			
Toluene-d8	501	504	500	100.2	100.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2002/12/09-01.27

LCS 2002/12/09-01.27-004

Extracted: 12/09/2002

Analyzed: 12/09/2002 11:25

LCSD 2002/12/09-01.27-005

Extracted: 12/09/2002

Analyzed: 12/09/2002 11:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.9	25.4	25.0	99.6	101.6	2.0	69-129	20		
Toluene	24.5	24.7	25.0	98.0	98.8	0.8	70-130	20		
Methyl tert-butyl ether (MTBE)	23.9	27.3	25.0	95.6	109.2	13.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	424	431	500	84.8	86.2		76-114			
Toluene-d8	481	476	500	96.2	95.2		88-110			

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Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report										
Prep(s): 5030B							Test(s): 8260FAB			
Laboratory Control Spike				Water			QC Batch # 2002/12/10-01.27			
LCS	2002/12/10-01.27-004			Extracted: 12/10/2002			Analyzed: 12/10/2002 12:11			
LCSD	2002/12/10-01.27-005			Extracted: 12/10/2002			Analyzed: 12/10/2002 12:37			
Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	25.1	26.0	25.0	100.4	104.0	3.5	69-129	20		
Toluene	24.4	25.0	25.0	97.6	100.0	2.4	70-130	20		
Methyl tert-butyl ether (MTBE)	26.0	29.1	25.0	104.0	116.4	11.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	446	454	500	89.2	90.8		76-114			
Toluene-d8	481	492	500	96.2	98.4		88-110			

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Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2002/12/09-01.27

MW-6 >> MS

Lab ID: 2002-11-0628 - 007

MS: 2002/12/09-01.27-015

Extracted: 12/09/2002

Analyzed: 12/09/2002 15:39

Dilution: 1.00

MSD: 2002/12/09-01.27-016

Extracted: 12/09/2002

Analyzed: 12/09/2002 16:01

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	31000	0.1	ND	25.0	12400	0.4	200.	69-129	20	msl	msl
Toluene	ND		0.500	25.0	*			70-130	20	msl	
Methyl tert-butyl ether	442	38.7	403	25.0	156.0	-1457.	-248	65-165	20		msl
Surrogate(s)											
1,2-Dichloroethane-d4	410	413		500	82.1	82.7		76-114			
Toluene-d8	489	487		500	97.8	97.3		88-110			

Oil & Grease (Total) by EPA 1664

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

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

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/26/2002 11:10	Water	4

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12/05/2002 18:47

Oil & Grease (Total) by EPA 1664

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	1664	Test(s):	1664
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/3/2002 00:00
Matrix:	Water	QC Batch#:	2002/12/03-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	1.0	mg/L	1.00	12/03/2002	

Oil & Grease (Total) by EPA 1664

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report					
Prep(s): 1664		Water		Test(s): 1664	
Method Blank				QC Batch # 2002/12/03-01.23	
MB: 2002/12/03-01.23-001				Date Extracted: 12/03/2002	
Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	1	mg/L	12/03/2002	

Oil & Grease (Total) by EPA 1664

Gettler Ryan

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Water

QC Batch # 2002/12/03-01.23

LCS 2002/12/03-01.23-002

Extracted: 12/03/2002

Analyzed: 12/03/2002

LCSD 2002/12/03-01.23-003

Extracted: 12/03/2002

Analyzed: 12/03/2002

Compound	Conc. mg/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	36.2	36.8	40.0	90.5	92.0	1.6	79-114	18		

Metals

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

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

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/26/2002 11:10	Water	4

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12/10/2002 13:21

Metals

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/2/2002 05:27
Matrix:	Water	QC Batch#:	2002/12/02-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	0.34	0.0050	mg/L	1.00	12/02/2002 22:15	

Metals

Gettler Ryan

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Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report					
Prep(s): 3010A		Water		Test(s): 6010B	
Method Blank				QC Batch # 2002/12/02-02.15	
MB: 2002/12/02-02.15-076				Date Extracted: 12/02/2002 05:27	
Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	12/02/2002 20:26	

Metals

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike

Water

QC Batch # 2002/12/02-02.15

LCS 2002/12/02-02.15-077

Extracted: 12/02/2002

Analyzed: 12/02/2002 20:29

LCSD 2002/12/02-02.15-078

Extracted: 12/02/2002

Analyzed: 12/02/2002 20:33

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chromium	0.510	0.515	0.500	102.0	103.0	1.0	80-120	20		

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

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

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/26/2002 11:10	Water	4

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12/10/2002 13:26

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Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/2/2002 09:20
Matrix:	Water	QC Batch#:	2002/12/02-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2-Chlorophenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Benzyl alcohol	ND	5.0	ug/L	1.00	12/03/2002 13:37	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2-Methylphenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	12/03/2002 13:37	
4-Methylphenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Hexachloroethane	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Nitrobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Isophorone	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2-Nitrophenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	12/03/2002 13:37	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Naphthalene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
4-Chloroaniline	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	12/03/2002 13:37	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	12/03/2002 13:37	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2-Nitroaniline	ND	10	ug/L	1.00	12/03/2002 13:37	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

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12/10/2002 13:26

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: 11/27/2002 13:25

 Site: 3070 Fruitvale Ave.
 Oakland, CA

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/2/2002 09:20
Matrix:	Water	QC Batch#:	2002/12/02-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Acenaphthylene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
3-Nitroaniline	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Acenaphthene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2,4-Dinitrophenol	ND	10	ug/L	1.00	12/03/2002 13:37	
4-Nitrophenol	ND	10	ug/L	1.00	12/03/2002 13:37	
Dibenzofuran	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Diethyl phthalate	ND	5.0	ug/L	1.00	12/03/2002 13:37	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Fluorene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
4-Nitroaniline	ND	10	ug/L	1.00	12/03/2002 13:37	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	12/03/2002 13:37	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	12/03/2002 13:37	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Hexachlorobenzene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Pentachlorophenol	ND	10	ug/L	1.00	12/03/2002 13:37	
Phenanthrene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Anthracene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Fluoranthene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Pyrene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	12/03/2002 13:37	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	12/03/2002 13:37	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	12/03/2002 13:37	
Chrysene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	12/03/2002 13:37	

Severn Trent Laboratories, Inc.

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12/10/2002 13:26

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/2/2002 09:20
Matrix:	Water	QC Batch#:	2002/12/02-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	12/03/2002 13:37	
Benzoic acid	ND	10	ug/L	1.00	12/03/2002 13:37	
Surrogates(s)						
Nitrobenzene-d5	64.8	35-114	%	1.00	12/03/2002 13:37	
2-Fluorobiphenyl	66.2	43-116	%	1.00	12/03/2002 13:37	
p-Terphenyl-d14	61.3	33-141	%	1.00	12/03/2002 13:37	
2-Fluorophenol	2.0	25-100	%	1.00	12/03/2002 13:37	sl
Phenol-d6	0.3	10-110	%	1.00	12/03/2002 13:37	sl
2,4,6-Tribromophenol	19.0	10-123	%	1.00	12/03/2002 13:37	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report		
Prep(s): 3510C/8270C	Water	Test(s): 8270C
Method Blank		QC Batch # 2002/12/02-01.11
MB: 2002/12/02-01.11-001		Date Extracted: 12/02/2002 09:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	12/02/2002 14:09	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	12/02/2002 14:09	
2-Chlorophenol	ND	2.0	ug/L	12/02/2002 14:09	
1,3-Dichlorobenzene	ND	2.0	ug/L	12/02/2002 14:09	
1,4-Dichlorobenzene	ND	2.0	ug/L	12/02/2002 14:09	
Benzyl alcohol	ND	5.0	ug/L	12/02/2002 14:09	
1,2-Dichlorobenzene	ND	2.0	ug/L	12/02/2002 14:09	
2-Methylphenol	ND	2.0	ug/L	12/02/2002 14:09	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	12/02/2002 14:09	
4-Methylphenol	ND	2.0	ug/L	12/02/2002 14:09	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	12/02/2002 14:09	
Hexachloroethane	ND	2.0	ug/L	12/02/2002 14:09	
Nitrobenzene	ND	2.0	ug/L	12/02/2002 14:09	
Isophorone	ND	2.0	ug/L	12/02/2002 14:09	
2-Nitrophenol	ND	2.0	ug/L	12/02/2002 14:09	
2,4-Dimethylphenol	ND	2.0	ug/L	12/02/2002 14:09	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	12/02/2002 14:09	
2,4-Dichlorophenol	ND	2.0	ug/L	12/02/2002 14:09	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	12/02/2002 14:09	
Naphthalene	ND	2.0	ug/L	12/02/2002 14:09	
4-Chloroaniline	ND	2.0	ug/L	12/02/2002 14:09	
Hexachlorobutadiene	ND	2.0	ug/L	12/02/2002 14:09	
4-Chloro-3-methylphenol	ND	5.0	ug/L	12/02/2002 14:09	
2-Methylnaphthalene	ND	2.0	ug/L	12/02/2002 14:09	
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/02/2002 14:09	
2,4,6-Trichlorophenol	ND	2.0	ug/L	12/02/2002 14:09	
2,4,5-Trichlorophenol	ND	2.0	ug/L	12/02/2002 14:09	
2-Chloronaphthalene	ND	2.0	ug/L	12/02/2002 14:09	

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2002/12/02-01.11-001

Water

Test(s): 8270C

QC Batch # 2002/12/02-01.11

Date Extracted: 12/02/2002 09:20

Compound	Conc.	RL	Unit	Analyzed	Flag
2-Nitroaniline	ND	10	ug/L	12/02/2002 14:09	
Dimethyl phthalate	ND	5.0	ug/L	12/02/2002 14:09	
Acenaphthylene	ND	2.0	ug/L	12/02/2002 14:09	
3-Nitroaniline	ND	2.0	ug/L	12/02/2002 14:09	
Acenaphthene	ND	2.0	ug/L	12/02/2002 14:09	
2,4-Dinitrophenol	ND	10	ug/L	12/02/2002 14:09	
4-Nitrophenol	ND	10	ug/L	12/02/2002 14:09	
Dibenzofuran	ND	2.0	ug/L	12/02/2002 14:09	
2,4-Dinitrotoluene	ND	2.0	ug/L	12/02/2002 14:09	
2,6-Dinitrotoluene	ND	5.0	ug/L	12/02/2002 14:09	
Diethyl phthalate	ND	5.0	ug/L	12/02/2002 14:09	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	12/02/2002 14:09	
Fluorene	ND	2.0	ug/L	12/02/2002 14:09	
4-Nitroaniline	ND	10	ug/L	12/02/2002 14:09	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	12/02/2002 14:09	
N-Nitrosodiphenylamine	ND	2.0	ug/L	12/02/2002 14:09	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	12/02/2002 14:09	
Hexachlorobenzene	ND	2.0	ug/L	12/02/2002 14:09	
Pentachlorophenol	ND	10	ug/L	12/02/2002 14:09	
Phenanthrene	ND	2.0	ug/L	12/02/2002 14:09	
Anthracene	ND	2.0	ug/L	12/02/2002 14:09	
Di-n-butyl phthalate	ND	5.0	ug/L	12/02/2002 14:09	
Fluoranthene	ND	2.0	ug/L	12/02/2002 14:09	
Pyrene	ND	2.0	ug/L	12/02/2002 14:09	
Butyl benzyl phthalate	ND	5.0	ug/L	12/02/2002 14:09	
3,3-Dichlorobenzidine	ND	5.0	ug/L	12/02/2002 14:09	
Benzo(a)anthracene	ND	2.0	ug/L	12/02/2002 14:09	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	12/02/2002 14:09	

Severn Trent Laboratories, Inc.

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12/10/2002 13:26

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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

Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report		
Prep(s): 3510C/8270C		Test(s): 8270C
Method Blank	Water	QC Batch # 2002/12/02-01.11
MB: 2002/12/02-01.11-001		Date Extracted: 12/02/2002 09:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Chrysene	ND	2.0	ug/L	12/02/2002 14:09	
Di-n-octyl phthalate	ND	5.0	ug/L	12/02/2002 14:09	
Benzo(b)fluoranthene	ND	2.0	ug/L	12/02/2002 14:09	
Benzo(k)fluoranthene	ND	2.0	ug/L	12/02/2002 14:09	
Benzo(a)pyrene	ND	2.0	ug/L	12/02/2002 14:09	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	12/02/2002 14:09	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	12/02/2002 14:09	
Benzo(g,h,i)perylene	ND	2.0	ug/L	12/02/2002 14:09	
Benzoic acid	ND	10	ug/L	12/02/2002 14:09	
Surrogates(s)					
Nitrobenzene-d5	86.8	35-114	%	12/02/2002 14:09	
2-Fluorobiphenyl	83.4	43-116	%	12/02/2002 14:09	
p-Terphenyl-d14	65.2	33-141	%	12/02/2002 14:09	
2-Fluorophenol	66.7	25-100	%	12/02/2002 14:09	
Phenol-d6	41.8	10-110	%	12/02/2002 14:09	
2,4,6-Tribromophenol	117.2	10-123	%	12/02/2002 14:09	

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Dublin, CA 94568

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

Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike

Water

QC Batch # 2002/12/02-01.11

LCS 2002/12/02-01.11-002

Extracted: 12/02/2002

Analyzed: 12/02/2002 14:38

LCSD 2002/12/02-01.11-003

Extracted: 12/02/2002

Analyzed: 12/02/2002 15:06

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Phenol	23.6	22.7	60.0	39.3	37.8	3.9	12-89	35		
2-Chlorophenol	51.0	50.3	60.0	85.0	83.8	1.4	23-134	25		
1,4-Dichlorobenzene	18.2	16.3	30.0	60.7	54.3	11.1	36-97	30		
N-Nitroso-di-n-propylamine	21.7	21.1	30.0	72.3	70.3	2.8	10-130	34		
1,2,4-Trichlorobenzene	16.9	16.6	30.0	56.3	55.3	1.8	44-142	35		
4-Chloro-3-methylphenol	57.9	54.3	60.0	96.5	90.5	6.4	22-147	31		
Acenaphthene	20.0	19.3	30.0	66.7	64.3	3.7	56-118	30		
4-Nitrophenol	19.5	16.5	60.0	32.5	27.5	16.7	1-132	35		
2,4-Dinitrotoluene	24.5	24.3	30.0	81.7	81.0	0.9	39-139	35		
Pentachlorophenol	48.2	46.2	60.0	80.3	77.0	4.2	45-125	35		
Pyrene	18.3	18.8	30.0	61.0	62.7	2.7	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	21.0	21.1	25	84.0	84.4		35-114			
2-Fluorobiphenyl	21.5	19.7	25	86.0	78.8		43-116			
p-Terphenyl-d14	16.9	16.6	25	67.6	66.4		33-141			
2-Fluorophenol	32.1	31.2	50	64.2	62.4		25-100			
Phenol-d6	21.7	20.2	50	43.4	40.4		10-110			
2,4,6-Tribromophenol	54.0	56.9	50	108.0	113.8		10-123			

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Legend and Notes

Result Flag

sl

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

Diesel

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/26/2002 11:10	Water	4

Diesel

Gettler Ryan

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Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-3	Lab ID: 2002-11-0628 - 4
Sampled: 11/26/2002 11:10	Extracted: 12/5/2002 14:01
Matrix: Water	QC Batch#: 2002/12/05-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/06/2002 01:00	
<i>Surrogates(s)</i> o-Terphenyl	85.2	60-130	%	1.00	12/06/2002 01:00	

Diesel

Gettler Ryan
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6747 Sierra Court Suite J
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Project: 180255.80
Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report					
Prep(s): 3510/8015M				Test(s): 8015M	
Method Blank		Water		QC Batch # 2002/12/05-04.10	
MB: 2002/12/05-04.10-001				Date Extracted: 12/05/2002 14:01	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	12/06/2002 02:51	
<i>Surrogates(s)</i> o-Terphenyl	98.0	60-130	%	12/06/2002 02:51	

Diesel

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report										
Prep(s): 3510/8015M							Test(s): 8015M			
Laboratory Control Spike				Water			QC Batch # 2002/12/05-04.10			
LCS	2002/12/05-04.10-002			Extracted: 12/05/2002			Analyzed: 12/06/2002 01:37			
LCSD	2002/12/05-04.10-003			Extracted: 12/05/2002			Analyzed: 12/06/2002 02:14			
Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	1040	979	1000	104.0	97.9	6.0	60-130	25		
Surrogates(s) o-Terphenyl	19.6	18.3	20.0	97.8	91.7		60-130	0		

Volatile Organic Compounds by 8260B (Low Level)

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80

Tosco #4625

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GENERAL CONTRACTORS

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/26/2002 11:10	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: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/10/2002 11:15
Matrix:	Water	QC Batch#:	2002/12/10-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	12/10/2002 11:15	
Acetone	ND	50	ug/L	1.00	12/10/2002 11:15	
Benzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Bromodichloromethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Bromobenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Bromochloromethane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Bromoform	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Bromomethane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
2-Butanone(MEK)	ND	50	ug/L	1.00	12/10/2002 11:15	
n-Butylbenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
sec-Butylbenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
tert-Butylbenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Carbon disulfide	ND	5.0	ug/L	1.00	12/10/2002 11:15	
Carbon tetrachloride	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Chlorobenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Chloroethane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	12/10/2002 11:15	
Chloroform	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Chloromethane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
2-Chlorotoluene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
4-Chlorotoluene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Dibromochloromethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	12/10/2002 11:15	

Severn Trent Laboratories, Inc.

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Volatile Organic Compounds by 8260B (Low Level)

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Received: 11/27/2002 13:25

 Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/10/2002 11:15
Matrix:	Water	QC Batch#:	2002/12/10-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Dibromomethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Ethylbenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
2-Hexanone	ND	50	ug/L	1.00	12/10/2002 11:15	
Isopropylbenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Methylene chloride	ND	5.0	ug/L	1.00	12/10/2002 11:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	12/10/2002 11:15	
Naphthalene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
n-Propylbenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Styrene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Tetrachloroethene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Toluene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	12/10/2002 11:15	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	

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Volatile Organic Compounds by 8260B (Low Level)

Gettler Ryan

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

 Site: 3070 Fruitvale Ave.
Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2002-11-0628 - 4
Sampled:	11/26/2002 11:10	Extracted:	12/10/2002 11:15
Matrix:	Water	QC Batch#:	2002/12/10-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Vinyl acetate	ND	25	ug/L	1.00	12/10/2002 11:15	
Vinyl chloride	ND	0.50	ug/L	1.00	12/10/2002 11:15	
Total xylenes	ND	1.0	ug/L	1.00	12/10/2002 11:15	
Surrogates(s)						
4-Bromofluorobenzene	101.8	86-115	%	1.00	12/10/2002 11:15	
1,2-Dichloroethane-d4	93.7	76-114	%	1.00	12/10/2002 11:15	
Toluene-d8	106.3	88-110	%	1.00	12/10/2002 11:15	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 180255.80

Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/12/10-01.60-041

Water

Test(s): 8260B

QC Batch # 2002/12/10-01.60

Date Extracted: 12/10/2002 10:41

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	12/10/2002 10:41	
Acetone	ND	50	ug/L	12/10/2002 10:41	
Benzene	ND	0.5	ug/L	12/10/2002 10:41	
Bromodichloromethane	ND	0.5	ug/L	12/10/2002 10:41	
Bromobenzene	ND	1.0	ug/L	12/10/2002 10:41	
Bromochloromethane	ND	1.0	ug/L	12/10/2002 10:41	
Bromoform	ND	0.5	ug/L	12/10/2002 10:41	
Bromomethane	ND	1.0	ug/L	12/10/2002 10:41	
2-Butanone(MEK)	ND	50	ug/L	12/10/2002 10:41	
n-Butylbenzene	ND	1.0	ug/L	12/10/2002 10:41	
sec-Butylbenzene	ND	1.0	ug/L	12/10/2002 10:41	
tert-Butylbenzene	ND	1.0	ug/L	12/10/2002 10:41	
Carbon disulfide	ND	5.0	ug/L	12/10/2002 10:41	
Carbon tetrachloride	ND	0.5	ug/L	12/10/2002 10:41	
Chlorobenzene	ND	0.5	ug/L	12/10/2002 10:41	
Chloroethane	ND	1.0	ug/L	12/10/2002 10:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	12/10/2002 10:41	
Chloroform	ND	1.0	ug/L	12/10/2002 10:41	
Chloromethane	ND	1.0	ug/L	12/10/2002 10:41	
2-Chlorotoluene	ND	0.5	ug/L	12/10/2002 10:41	
4-Chlorotoluene	ND	0.5	ug/L	12/10/2002 10:41	
Dibromochloromethane	ND	0.5	ug/L	12/10/2002 10:41	
1,2-Dichlorobenzene	ND	0.5	ug/L	12/10/2002 10:41	
1,3-Dichlorobenzene	ND	0.5	ug/L	12/10/2002 10:41	
1,4-Dichlorobenzene	ND	0.5	ug/L	12/10/2002 10:41	
1,3-Dichloropropane	ND	1.0	ug/L	12/10/2002 10:41	
2,2-Dichloropropane	ND	0.5	ug/L	12/10/2002 10:41	
1,1-Dichloropropene	ND	0.5	ug/L	12/10/2002 10:41	

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.

Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/12/10-01.60-041

Water

Test(s): 8260B

QC Batch # 2002/12/10-01.60

Date Extracted: 12/10/2002 10:41

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/10/2002 10:41	
1,2-Dibromoethane	ND	0.5	ug/L	12/10/2002 10:41	
Dibromomethane	ND	0.5	ug/L	12/10/2002 10:41	
Dichlorodifluoromethane	ND	0.5	ug/L	12/10/2002 10:41	
1,1-Dichloroethane	ND	0.5	ug/L	12/10/2002 10:41	
1,2-Dichloroethane	ND	0.5	ug/L	12/10/2002 10:41	
1,1-Dichloroethene	ND	0.5	ug/L	12/10/2002 10:41	
cis-1,2-Dichloroethene	ND	0.5	ug/L	12/10/2002 10:41	
trans-1,2-Dichloroethene	ND	0.5	ug/L	12/10/2002 10:41	
1,2-Dichloropropane	ND	0.5	ug/L	12/10/2002 10:41	
cis-1,3-Dichloropropene	ND	0.5	ug/L	12/10/2002 10:41	
trans-1,3-Dichloropropene	ND	0.5	ug/L	12/10/2002 10:41	
Ethylbenzene	ND	0.5	ug/L	12/10/2002 10:41	
Hexachlorobutadiene	ND	1.0	ug/L	12/10/2002 10:41	
2-Hexanone	ND	50	ug/L	12/10/2002 10:41	
Isopropylbenzene	ND	0.5	ug/L	12/10/2002 10:41	
p-Isopropyltoluene	ND	1.0	ug/L	12/10/2002 10:41	
Methylene chloride	ND	5.0	ug/L	12/10/2002 10:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	12/10/2002 10:41	
Naphthalene	ND	1.0	ug/L	12/10/2002 10:41	
n-Propylbenzene	ND	1.0	ug/L	12/10/2002 10:41	
Styrene	ND	0.5	ug/L	12/10/2002 10:41	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	12/10/2002 10:41	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	12/10/2002 10:41	
Tetrachloroethene	ND	0.5	ug/L	12/10/2002 10:41	
Toluene	ND	0.5	ug/L	12/10/2002 10:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/10/2002 10:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/10/2002 10:41	

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Tosco #4625

Received: 11/27/2002 13:25

Site: 3070 Fruitvale Ave.
Oakland, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank	Water			QC Batch # 2002/12/10-01.60	
MB: 2002/12/10-01.60-041				Date Extracted: 12/10/2002 10:41	

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1,1-Trichloroethane	ND	0.5	ug/L	12/10/2002 10:41	
1,1,2-Trichloroethane	ND	0.5	ug/L	12/10/2002 10:41	
Trichloroethene	ND	0.5	ug/L	12/10/2002 10:41	
Trichlorofluoromethane	ND	1.0	ug/L	12/10/2002 10:41	
Trichlorotrifluoroethane	ND	0.5	ug/L	12/10/2002 10:41	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	12/10/2002 10:41	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	12/10/2002 10:41	
Vinyl acetate	ND	25	ug/L	12/10/2002 10:41	
Vinyl chloride	ND	0.5	ug/L	12/10/2002 10:41	
Total xylenes	ND	1.0	ug/L	12/10/2002 10:41	
Surrogates(s)					
4-Bromofluorobenzene	100.9	86-115	%	12/10/2002 10:41	
1,2-Dichloroethane-d4	96.7	76-114	%	12/10/2002 10:41	
Toluene-d8	97.7	88-110	%	12/10/2002 10:41	

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Received: 11/27/2002 13:25

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Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2002/12/10-01.60

LCS 2002/12/10-01.60-034

Extracted: 12/10/2002

Analyzed: 12/10/2002 09:34

LCSD 2002/12/10-01.60-007

Extracted: 12/10/2002

Analyzed: 12/10/2002 10:07

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	21.9	19.9	20.0	109.5	99.5	9.6	69-129	20		
Chlorobenzene	21.2	21.6	20.0	106.0	108.0	1.9	61-121	20		
1,1-Dichloroethene	19.7	17.9	20.0	98.5	89.5	9.6	65-125	20		
Toluene	21.4	20.4	20.0	107.0	102.0	4.8	70-130	20		
Trichloroethene	18.7	17.3	20.0	93.5	86.5	7.8	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	520	505	500	104.0	101.0		86-115			
1,2-Dichloroethane-d4	468	477	500	93.6	95.4		76-114			
Toluene-d8	513	510	500	102.6	102.0		88-110			

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