



Alameda County

SEP 23 2003

Environmental Health

R 0 298

2000 Crow Canyon Place
Suite 400
San Ramon, CA 94583

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

Environmental Department

September 23, 2003

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

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

David B. DeWitt
Site Manager
ConocoPhillips



GETTLER-RYAN INC.
TRANSMITTAL

September 8, 2003

G-R #180255

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	September 5, 2003	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 1, 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 *September 22, 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.

Alameda County

SEP 2 2003

Environmental Health

September 5, 2003
G-R Job #180255

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

RE: Third Quarter Event of August 1, 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).

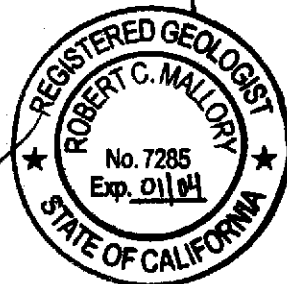
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 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.

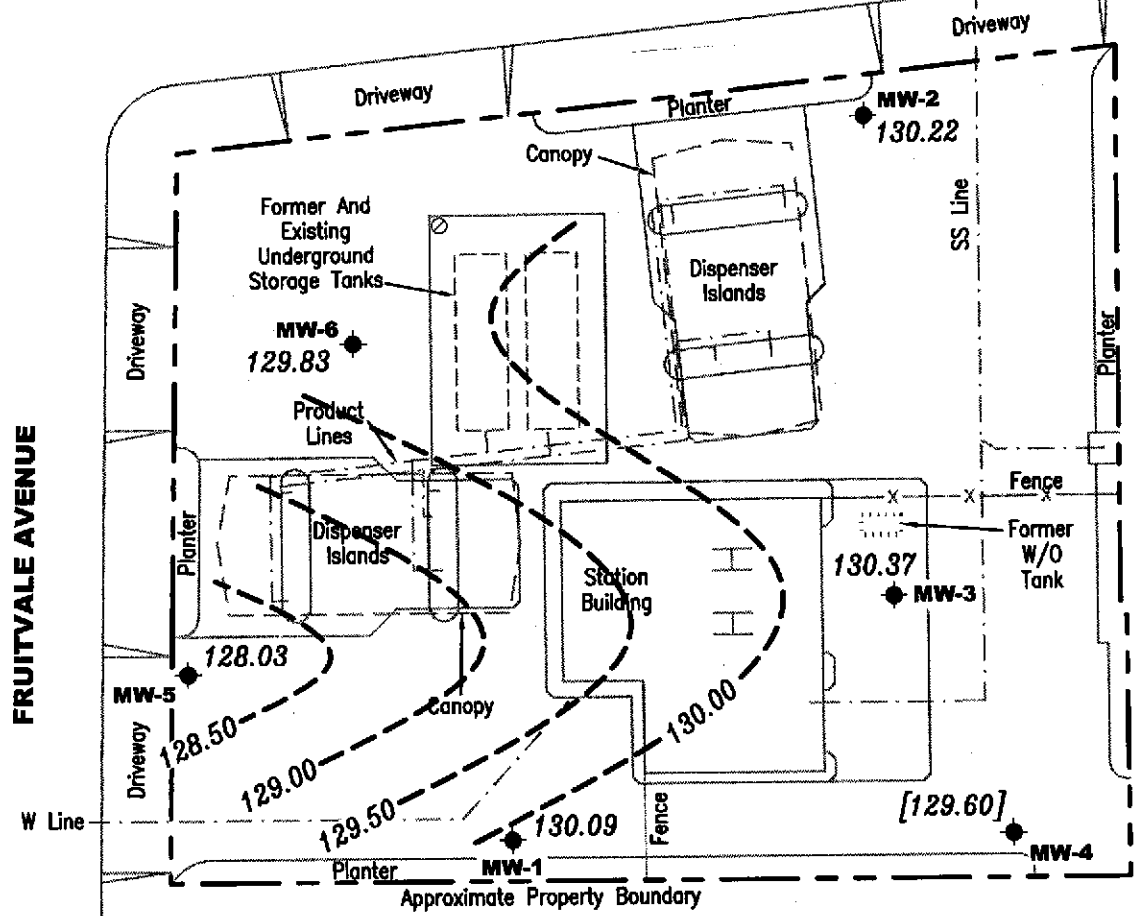
Sincerely,

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

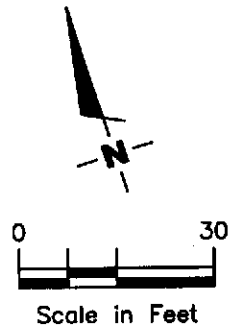
SCHOOL STREET



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
- [99.99] Not used in contouring

←
Approximate groundwater flow direction at a gradient of 0.02 to 0.04 Ft./Ft.



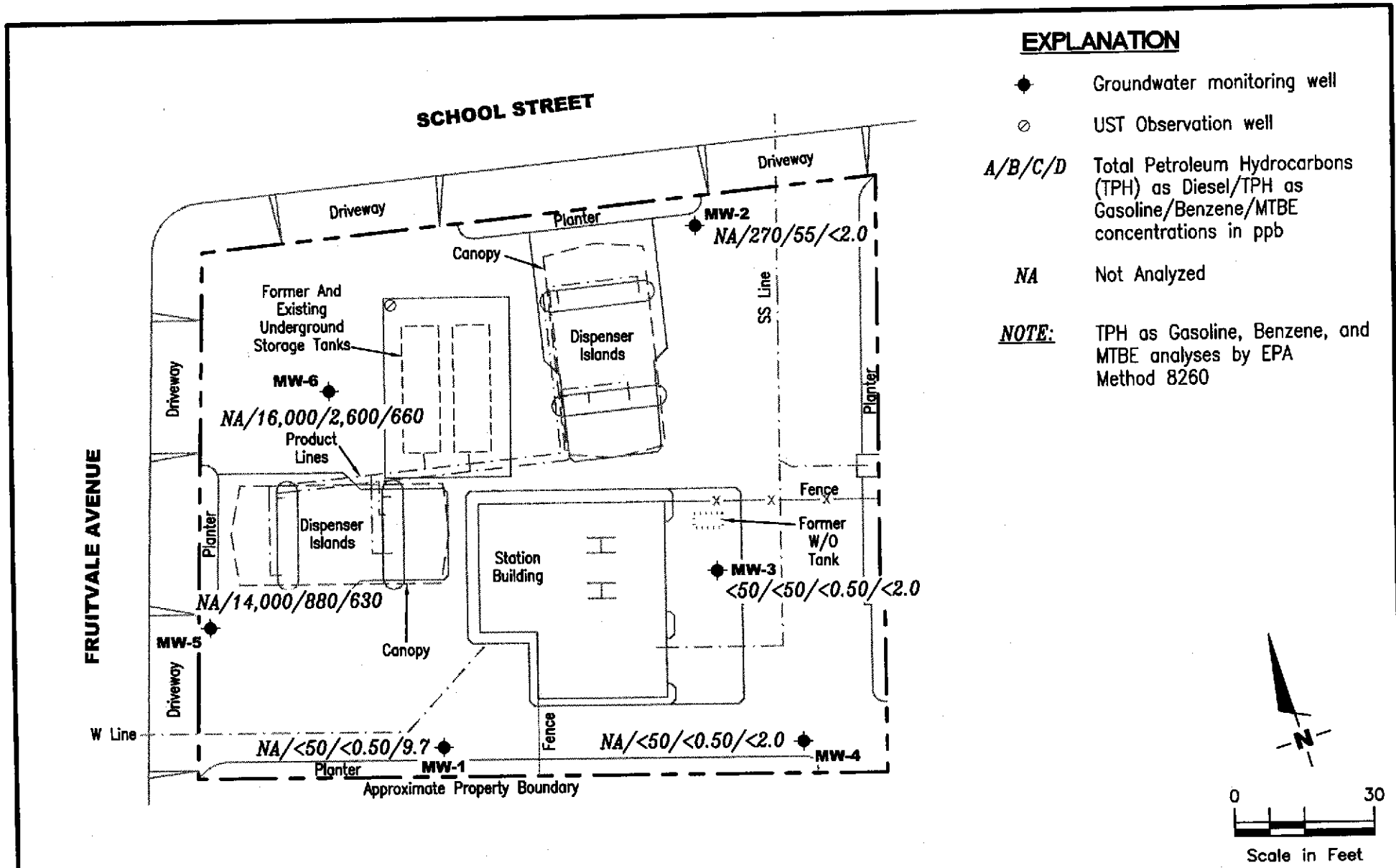
Source: Figure modified from drawing provided by Unocal.

GETTLER - RYAN INC.
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 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 August 1, 2003	REVISED DATE
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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
 August 1, 2003

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 ¹	
	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	
	137.57	02/14/03 ⁹	6.90		130.67	--	<50	<0.50	<0.50	<0.50	<1.0	8.8
		05/03/03 ⁹	7.36		130.21	--	<50	<0.50	<0.50	<0.50	<1.0	3.4
		08/01/03 ⁹	7.48		130.09	--	<50	<0.50	<0.50	<0.50	<1.0	9.7
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	
	139.85	02/14/03 ⁹	8.19		131.66	--	130	12	<0.50	7.4	5.4	<2.0
		05/03/03 ⁹	6.77		133.08	--	<50	2.5	<0.50	1.7	<1.0	<2.0
		08/01/03 ⁹	9.63		130.22	--	270	55	<0.50	23	6.0	<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)
MW-3											
137.68	05/03/00	7.60	5.0-25.0	130.08	93 ⁵	ND	ND	ND	ND	ND	ND/ND ⁴
	07/28/00	8.82		128.86	ND ³	ND	ND	ND	ND	ND	ND/ND ⁴
	10/29/00	7.33		130.35	ND	ND	ND	ND	ND	ND	ND
	02/09/01	7.40		130.28	72 ⁶	ND	ND	ND	ND	ND	ND
	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
138.89	02/14/03 ⁹	7.18		131.71	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 ⁹	5.88		133.01	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	08/01/03 ⁹	8.52		130.37	<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
137.81	02/14/03 ⁹	7.43		130.38	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 ⁹	6.05		131.76	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	08/01/03 ⁹	8.21		129.60	--	<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 (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5 137.66	11/26/02 ^{9,10}	9.89	5.0-25.0	--	--	2,500	350	39	32	640	470
	02/14/03 ⁹	8.65		129.01	--	6,600	920	210	430	1,300	960
	05/03/03 ⁹	8.23		129.43	--	33,000	2,400	2,200	2,000	7,600	1,500
	08/01/03 ⁹	9.63		128.03	--	14,000	880	130	630	2,000	630
MW-6 138.88	11/26/02 ^{9,10}	9.19	5.0-25.0	--	--	11,000	1,200	2,000	400	2,300	490
	02/14/03 ⁹	7.76		131.12	--	13,000	2,300	1,900	560	2,300	360
	05/03/03 ⁹	6.62		132.26	--	4,300	1,000	640	260	990	300
	08/01/03 ⁹	9.05		129.83	--	16,000	2,600	2,300	740	2,900	660
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		--	--	--	--	--	--	--	--
	02/14/03	-- ¹¹		--	--	--	--	--	--	--	--
	05/03/03	6.25		--	--	--	--	--	--	--	--
	08/01/03	8.99		--	--	--	--	--	--	--	--

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)
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
	02/14/03 ⁹	--		--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	05/03/03 ⁹	--		--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	08/01/03 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 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
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* 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).

- 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.
- 11 Field technician inadvertently missed well.

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

WELL ID	DATE	VOCs	VOCs	VOCs	SVOCs	Chromium	TOG
		by EPA 8240 (ppb)	by EPA 8021 (ppb)	by EPA 8260 (ppb)	by EPA 8270 (ppb)		
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
	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
	08/01/03	--	--	<0.50-<50	<2.0-<10	0.28	<4.0

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
	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
	08/01/03	<500	<100	9.7	<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	--	--	--	--	--
	08/01/03	<500	--	<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	--	--	--	--	--
	08/01/03	<500	--	<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	--	--	--	--	--
	08/01/03	<500	--	<2.0	--	--	--	--	--

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-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
	08/01/03	<5,000	<1,000	630	<20	<20	<20	<20	<20
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
	08/01/03	<20,000	<4,000	660	<80	<80	<80	<80	<80

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

¹ 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 ConocoPhillips Company, the purge water and decontamination water generated during sampling activities is transported to ConocoPhillips - 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: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vanthus

Well ID: MW-1 Date Monitored: 8/01/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 25.10 ft.
 Depth to Water: 7.48 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: 17.62 xVF 0.17 = 2.99 x3 (case volume) = 9 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): 0920 Weather Conditions: cloudy
 Sample Time/Date: 0940 8/01/03 Water Color: clear Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>0923</u>	<u>3</u>	<u>7.60</u>	<u>792</u>	<u>69.6</u>		
<u>0926</u>	<u>6</u>	<u>7.47</u>	<u>786</u>	<u>69.9</u>		
<u>0929</u>	<u>9</u>	<u>7.43</u>	<u>780</u>	<u>70.1</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/ETHANOL(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: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vantkos

Well ID: MW-2 Date Monitored: 8/01/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 25.37 ft.
 Depth to Water: 9.63 ft.
 Volume Factor (VF) table:

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 0.17 = 2.67 x3 (case volume) = Estimated Purge Volume: 8 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): 1005 Weather Conditions: cldy
 Sample Time/Date: 1025 8/01/03 Water Color: gray Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: silt
 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>1007</u>	<u>2.5</u>	<u>7.52</u>	<u>346</u>	<u>70.7</u>	_____	_____
<u>1010</u>	<u>5</u>	<u>7.40</u>	<u>350</u>	<u>70.4</u>	_____	_____
<u>1013</u>	<u>8</u>	<u>7.36</u>	<u>352</u>	<u>70.5</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260) ETHANOL (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: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vartkus

Well ID: MW-3 Date Monitored: 8/01/03 Well Condition: od

Well Diameter: 2 in.

Total Depth: 29.70 ft.

Depth to Water: 8.52 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

16.18 x VF 0.175 = 2.75 x3 (case volume) = Estimated Purge Volume: 8.3 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: 7 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): 1115 Weather Conditions: cldy
 Sample Time/Date: 1135 8/01/03 Water Color: brn Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: silty
 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>1118</u>	<u>3</u>	<u>7.60</u>	<u>473</u>	<u>71.0</u>	_____	_____
<u>1121</u>	<u>6</u>	<u>7.46</u>	<u>481</u>	<u>70.9</u>	_____	_____
<u>1124</u>	<u>8.5</u>	<u>7.42</u>	<u>484</u>	<u>70.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	<u>3</u> x vva vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/ETHANOL(8260)
	<u>1</u> x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	<u>1</u> x 1 Liter Amber	YES	HCL	STL Pleasanton	TOG(Total Oil & Grease)
	<u>3</u> x vva vial	YES	HCL	STL Pleasanton	VOC'S(8240 list)8260
	<u>2</u> x 1 Liter Amber	YES	NP	STL Pleasanton	SVOC'S(8270)
	<u>1</u> 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 Job Number: 180255
 Site Address: 3070 Fruitvale Avenue Event Date: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vantkus

Well ID: MW-4 Date Monitored: 8/01/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 24.65 ft.

Depth to Water: 8.21 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

16.44 x VF 0.17 = 2.79 x3 (case volume) = Estimated Purge Volume: 8.5 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1040 Weather Conditions: clear
 Sample Time/Date: 110018/01/03 Water Color: clear Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: SS
 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>1043</u>	<u>3</u>	<u>7.53</u>	<u>726</u>	<u>69.7</u>	_____	_____
<u>1046</u>	<u>6</u>	<u>7.40</u>	<u>717</u>	<u>70.3</u>	_____	_____
<u>1050</u>	<u>8.5</u>	<u>7.37</u>	<u>714</u>	<u>70.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vadtek

Well ID: MW-5 Date Monitored: 8/01/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 24.40 ft.
 Depth to Water: 9.63 ft.
14.77 xVF 0.17 = 2.51 x3 (case volume) = Estimated Purge Volume: 7.5 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: 20 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): 1235 Weather Conditions: clear
 Sample Time/Date: 1255 8/01/03 Water Color: gray Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: (Silt little)
 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>1237</u>	<u>2.5</u>	<u>7.24</u>	<u>558</u>	<u>72.3</u>		
<u>1240</u>	<u>5</u>	<u>7.13</u>	<u>554</u>	<u>71.9</u>		
<u>1243</u>	<u>7.5</u>	<u>7.10</u>	<u>562</u>	<u>71.0</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: 8/01/03 (inclusive)
 City: Oakland, CA Sampler: Vortex

Well ID: MW-6 Date Monitored: 8/01/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 23.60 ft.
 Depth to Water: 9.05 ft.
14.55 xVF 0.17 = 2.47 x3 (case volume) = Estimated Purge Volume: 7.5 gal.

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

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

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

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

Start Time (purge): 1200 Weather Conditions: clde
 Sample Time/Date: 1220 8/01/03 Water Color: gray Odor: _____
 Purging Flow Rate: 1 gpm. Sediment Description: silt
 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>1203</u>	<u>2.5</u>	<u>7.33</u>	<u>581</u>	<u>71.7</u>		
<u>1205</u>	<u>5</u>	<u>7.28</u>	<u>588</u>	<u>71.3</u>		
<u>1228</u>	<u>7.5</u>	<u>7.24</u>	<u>593</u>	<u>71.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x vva 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: 8/01/03 (inclusive)
 Sampler: Vartkas

Well ID: USTW
 Well Diameter: 6 in.
 Total Depth: 15.20 ft.
 Depth to Water: 8.99 ft.

Date Monitored: 8/01/03 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 = 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: 4 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): _____ 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 (μ 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: _____

2003-08-0097

Gettler-Ryan Inc., Chain-of-Custody

7659
753

Tosco Corp./ Phillips 66 Co. 2000 Crow Canyon Place Suite 400 San Ramon, CA 94583	Facility Number	<u>44625</u>	Laboratory Name	<u>STL - PLEASANTON, CA</u>
	Facility Address	<u>3070 FRUITVALE AVE., OAKLAND, CA</u>	Consultant	<u>GETTLER-RYAN, INC. DEANNA L. HARDING</u>
	Global ID	<u>T0600102156</u>	Address	<u>6747 SIERRA CT., SUITE J, DUBLIN CA 94568</u>
	Client Contact	<u>MR. DAVID B. DEWITT</u>	Phone	<u>(925) 551-7555</u>
	Phone	<u>916-558-7666</u>	Fax	<u>(925) 551-7899</u>
	Project	<u>180255.80</u>	Samples Collected by	<u>Vartek Tashjian</u>

SAMPLE ID	Number of Containers Matrix	S = Soil A = Air W = Water C = Chloroform	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HYDROCS (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Total Chromium	ETHANOL (8260)	Remarks
QA	1	W	HU	8/6/03					X											Run 8 Oxy's by 8260 on all 8260 MTBE hits.
MW-1	3	-	-	0940					X											
MW-2	3	-	-	1025					X											
MW-3	11	-	-	1135		X			X		X				X	X	X	X		
MW-4	3	-	-	1100					X										X	
MW-5	3	-	-	1255					X	X										
MW-6	3	-	-	1220					X	X										

5.3K

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

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Lead	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
<i>Vartek Tashjian</i>	G-R	8/6/03 1355	<i>Deanna L. Harding</i>	G-R	8/6/03 1355	Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Lead	
<i>Steve</i>	G-R	8/10/03 1030	<i>Steve</i>	STC	1005 8/10/03	Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Date/Time	Lead	Y/N	
<i>Steve</i>		8/10/03 1505	<i>Debbie Harrington</i>	8/4/03 @ 1505			

Gettler Ryan

August 20, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180255.80

Project: Conoco #4625

Site: 3070 Fruitvale Ave., Oakland

RECEIVED
AUG 20 2003
STL

Dear Ms. Harding,

Attached is our report for your samples received on 08/04/2003 15:05

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 09/18/2003 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

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

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	08/01/2003	Water	1
MW-1	08/01/2003 09:40	Water	2
MW-2	08/01/2003 10:25	Water	3
MW-3	08/01/2003 11:35	Water	4
MW-4	08/01/2003 11:00	Water	5
MW-5	08/01/2003 12:55	Water	6
MW-6	08/01/2003 12:20	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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B

Sample ID: QA

Sampled: 08/01/2003

Matrix: Water

Test(s): 8260FAB

Lab ID: 2003-08-0097 - 1

Extracted: 8/15/2003 13:18

QC Batch#: 2003/08/15-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/15/2003 13:18	
Benzene	ND	0.50	ug/L	1.00	08/15/2003 13:18	
Toluene	ND	0.50	ug/L	1.00	08/15/2003 13:18	
Ethylbenzene	ND	0.50	ug/L	1.00	08/15/2003 13:18	
Total xylenes	ND	1.0	ug/L	1.00	08/15/2003 13:18	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/15/2003 13:18	
Surrogates(s)						
1,2-Dichloroethane-d4	96.7	76-114	%	1.00	08/15/2003 13:18	
Toluene-d8	95.1	88-110	%	1.00	08/15/2003 13:18	

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2	Lab ID: 2003-08-0097 - 3
Sampled: 08/01/2003 10:25	Extracted: 8/15/2003 14:02
Matrix: Water	QC Batch#: 2003/08/15-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	270	50	ug/L	1.00	08/15/2003 14:02	
Benzene	55	0.50	ug/L	1.00	08/15/2003 14:02	
Toluene	ND	0.50	ug/L	1.00	08/15/2003 14:02	
Ethylbenzene	23	0.50	ug/L	1.00	08/15/2003 14:02	
Total xylenes	6.0	1.0	ug/L	1.00	08/15/2003 14:02	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/15/2003 14:02	
Ethanol	ND	500	ug/L	1.00	08/15/2003 14:02	
Surrogates(s)						
1,2-Dichloroethane-d4	104.3	76-114	%	1.00	08/15/2003 14:02	
Toluene-d8	93.8	88-110	%	1.00	08/15/2003 14:02	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B

Sample ID: MW-4

Sampled: 08/01/2003 11:00

Matrix: Water

Test(s): 8260FAB

Lab ID: 2003-08-0097 - 5

Extracted: 8/15/2003 14:46

QC Batch#: 2003/08/15-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/15/2003 14:46	
Benzene	ND	0.50	ug/L	1.00	08/15/2003 14:46	
Toluene	ND	0.50	ug/L	1.00	08/15/2003 14:46	
Ethylbenzene	ND	0.50	ug/L	1.00	08/15/2003 14:46	
Total xylenes	ND	1.0	ug/L	1.00	08/15/2003 14:46	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/15/2003 14:46	
Ethanol	ND	500	ug/L	1.00	08/15/2003 14:46	
Surrogates(s)						
1,2-Dichloroethane-d4	93.3	76-114	%	1.00	08/15/2003 14:46	
Toluene-d8	93.8	88-110	%	1.00	08/15/2003 14:46	

08/18/2003 15:25

Severn Trent Laboratories, Inc.

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Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/08/15-1C.64-049

Water

Test(s): 8260FAB

QC Batch # 2003/08/15-1C.64

Date Extracted: 08/15/2003 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/15/2003 10:49	
Benzene	ND	0.5	ug/L	08/15/2003 10:49	
Toluene	ND	0.5	ug/L	08/15/2003 10:49	
Ethylbenzene	ND	0.5	ug/L	08/15/2003 10:49	
Total xylenes	ND	1.0	ug/L	08/15/2003 10:49	
tert-Butyl alcohol (TBA)	ND	100	ug/L	08/15/2003 10:49	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/15/2003 10:49	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/15/2003 10:49	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/15/2003 10:49	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/15/2003 10:49	
1,2-DCA	ND	2.0	ug/L	08/15/2003 10:49	
EDB	ND	2.0	ug/L	08/15/2003 10:49	
Ethanol	ND	500	ug/L	08/15/2003 10:49	
Surrogates(s)					
1,2-Dichloroethane-d4	89.3	76-114	%	08/15/2003 10:49	
Toluene-d8	89.0	88-110	%	08/15/2003 10:49	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/08/15-1C.64

LCS 2003/08/15-1C.64-014

Extracted: 08/15/2003

Analyzed: 08/15/2003 11:14

LCSD 2003/08/15-1C.64-036

Extracted: 08/15/2003

Analyzed: 08/15/2003 11:36

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	25.9	25.9	25	103.6	103.6	0.0	69-129	20		
Toluene	26.6	27.8	25	106.4	111.2	4.4	70-130	20		
Methyl tert-butyl ether (MTBE)	26.1	24.6	25	104.4	98.4	5.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	484	429	500	96.8	85.8		76-114			
Toluene-d8	470	500	500	94.0	100.0		88-110			

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08/18/2003 15:25

Page 10 of 11

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/08/15-1C.64

MW-1 >> MS

Lab ID: 2003-08-0097 - 002

MS: 2003/08/15-1C.64-050

Extracted: 08/15/2003

Analyzed: 08/15/2003 18:26

Dilution: 1.00

MSD: 2003/08/15-1C.64-051

Extracted: 08/15/2003

Analyzed: 08/15/2003 18:48

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	28.2	24.7	ND	25	112.8	98.8	13.2	69-129	20		
Toluene	29.1	28.6	ND	25	116.4	114.4	1.7	70-130	20		
Methyl tert-butyl ether	39.5	32.5	9.67	25	119.3	91.3	26.6	65-165	20		mso
Surrogate(s)											
1,2-Dichloroethane-d4	473	425		500	94.6	85.0		76-114			
Toluene-d8	490	508		500	98.0	101.6		88-110			

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/01/2003 11:35	Water	4

Severn Trent Laboratories, Inc.

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08/19/2003 12:10

Page 1 of 5

Oil & Grease (Total) by EPA 1664

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 1664

Method Blank

MB: 2003/08/16-01.23-001

Water

Test(s): 1664

QC Batch # 2003/08/16-01.23

Date Extracted: 08/16/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil and Grease (Petroleum)	ND	1	mg/L	08/18/2003	

Severn Trent Laboratories, Inc.

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08/19/2003 12:10

Page 3 of 5

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Water

QC Batch # 2003/08/16-01.23

LCS 2003/08/16-01.23-002

Extracted: 08/16/2003

Analyzed: 08/18/2003

LCSD 2003/08/16-01.23-003

Extracted: 08/16/2003

Analyzed: 08/18/2003

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil and Grease (Petroleum)	38.9	39.2	40.0	97.3	98.0	0.7	66-114	24		

Oil & Grease (Total) by EPA 1664

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Legend and Notes

Analysis Flag

rl

Reporting limits raised due to reduced sample size.

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/01/2003 11:35	Water	4

Diesel

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: MW-3

Lab ID: 2003-08-0097 - 4

Sampled: 08/01/2003 11:35

Extracted: 8/13/2003 12:51

Matrix: Water

QC Batch#: 2003/08/13-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/14/2003 07:48	
Surrogates(s) o-Terphenyl	85.3	60-130	%	1.00	08/14/2003 07:48	

Diesel

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2003/08/13-03.10-001

Water

Test(s): 8015M

QC Batch # 2003/08/13-03.10

Date Extracted: 08/13/2003 12:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/13/2003 23:53	
<i>Surrogates(s)</i> o-Terphenyl	82.0	60-130	%	08/13/2003 23:53	

Diesel

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/08/13-03.10

LCS 2003/08/13-03.10-002

Extracted: 08/13/2003

Analyzed: 08/13/2003 23:53

LCSD 2003/08/13-03.10-003

Extracted: 08/13/2003

Analyzed: 08/14/2003 00:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	790	815	1000	79.0	81.5	3.1	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.1	17.2	20.0	80.4	85.9		60-130	0		

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/01/2003 11:35	Water	4

Volatile Organic Compounds by 8260B (Low Level)

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2003-08-0097 - 4
Sampled: 08/01/2003 11:35	Extracted: 8/12/2003 15:05
Matrix: Water	QC Batch#: 2003/08/12-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/12/2003 15:05	
Acetone	ND	50	ug/L	1.00	08/12/2003 15:05	
Benzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Bromobenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Bromochloromethane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Bromoform	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Bromomethane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/12/2003 15:05	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Carbon disulfide	ND	5.0	ug/L	1.00	08/12/2003 15:05	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Chlorobenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Chloroethane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/12/2003 15:05	
Chloroform	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Chloromethane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/12/2003 15:05	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	

Severn Trent Laboratories, Inc.

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08/13/2003 09:17

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2003-08-0097 - 4
Sampled:	08/01/2003 11:35	Extracted:	8/12/2003 15:05
Matrix:	Water	QC Batch#:	2003/08/12-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Ethylbenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
2-Hexanone	ND	50	ug/L	1.00	08/12/2003 15:05	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Methylene chloride	ND	5.0	ug/L	1.00	08/12/2003 15:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/12/2003 15:05	
Naphthalene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Styrene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Toluene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/12/2003 15:05	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Trichloroethene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/12/2003 15:05	

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08/13/2003 09:17

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
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-3 Lab ID: 2003-08-0097 - 4
Sampled: 08/01/2003 11:35 Extracted: 8/12/2003 15:05
Matrix: Water QC Batch#: 2003/08/12-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Vinyl acetate	ND	25	ug/L	1.00	08/12/2003 15:05	
Vinyl chloride	ND	0.50	ug/L	1.00	08/12/2003 15:05	
Total xylenes	ND	1.0	ug/L	1.00	08/12/2003 15:05	
Surrogates(s)						
4-Bromofluorobenzene	94.8	86-115	%	1.00	08/12/2003 15:05	
1,2-Dichloroethane-d4	105.9	76-114	%	1.00	08/12/2003 15:05	
Toluene-d8	99.2	88-110	%	1.00	08/12/2003 15:05	

Volatile Organic Compounds by 8260B (Low Level)

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/08/12-01.60-009

Water

Test(s): 8260B

QC Batch # 2003/08/12-01.60

Date Extracted: 08/12/2003 11:09

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/12/2003 11:09	
Acetone	ND	50	ug/L	08/12/2003 11:09	
Benzene	ND	0.5	ug/L	08/12/2003 11:09	
Bromodichloromethane	ND	0.5	ug/L	08/12/2003 11:09	
Bromobenzene	ND	1.0	ug/L	08/12/2003 11:09	
Bromochloromethane	ND	1.0	ug/L	08/12/2003 11:09	
Bromoform	ND	0.5	ug/L	08/12/2003 11:09	
Bromomethane	ND	1.0	ug/L	08/12/2003 11:09	
2-Butanone(MEK)	ND	50	ug/L	08/12/2003 11:09	
n-Butylbenzene	ND	1.0	ug/L	08/12/2003 11:09	
sec-Butylbenzene	ND	1.0	ug/L	08/12/2003 11:09	
tert-Butylbenzene	ND	1.0	ug/L	08/12/2003 11:09	
Carbon disulfide	ND	5.0	ug/L	08/12/2003 11:09	
Carbon tetrachloride	ND	0.5	ug/L	08/12/2003 11:09	
Chlorobenzene	ND	0.5	ug/L	08/12/2003 11:09	
Chloroethane	ND	1.0	ug/L	08/12/2003 11:09	
2-Chloroethylvinyl ether	ND	5.0	ug/L	08/12/2003 11:09	
Chloroform	ND	1.0	ug/L	08/12/2003 11:09	
Chloromethane	ND	1.0	ug/L	08/12/2003 11:09	
2-Chlorotoluene	ND	0.5	ug/L	08/12/2003 11:09	
4-Chlorotoluene	ND	0.5	ug/L	08/12/2003 11:09	
Dibromochloromethane	ND	0.5	ug/L	08/12/2003 11:09	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/12/2003 11:09	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/12/2003 11:09	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/12/2003 11:09	
1,3-Dichloropropane	ND	1.0	ug/L	08/12/2003 11:09	
2,2-Dichloropropane	ND	0.5	ug/L	08/12/2003 11:09	
1,1-Dichloropropene	ND	0.5	ug/L	08/12/2003 11:09	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/12/2003 11:09	

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08/13/2003 09:17

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/08/12-01.60-009

Water

Test(s): 8260B

QC Batch # 2003/08/12-01.60

Date Extracted: 08/12/2003 11:09

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	08/12/2003 11:09	
Dibromomethane	ND	0.5	ug/L	08/12/2003 11:09	
Dichlorodifluoromethane	ND	0.5	ug/L	08/12/2003 11:09	
1,1-Dichloroethane	ND	0.5	ug/L	08/12/2003 11:09	
1,2-Dichloroethane	ND	0.5	ug/L	08/12/2003 11:09	
1,1-Dichloroethene	ND	0.5	ug/L	08/12/2003 11:09	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/12/2003 11:09	
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/12/2003 11:09	
1,2-Dichloropropane	ND	0.5	ug/L	08/12/2003 11:09	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/12/2003 11:09	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/12/2003 11:09	
Ethylbenzene	ND	0.5	ug/L	08/12/2003 11:09	
Hexachlorobutadiene	ND	1.0	ug/L	08/12/2003 11:09	
2-Hexanone	ND	50	ug/L	08/12/2003 11:09	
Isopropylbenzene	ND	0.5	ug/L	08/12/2003 11:09	
p-Isopropyltoluene	ND	1.0	ug/L	08/12/2003 11:09	
Methylene chloride	ND	5.0	ug/L	08/12/2003 11:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/12/2003 11:09	
Naphthalene	ND	1.0	ug/L	08/12/2003 11:09	
n-Propylbenzene	ND	1.0	ug/L	08/12/2003 11:09	
Styrene	ND	0.5	ug/L	08/12/2003 11:09	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/12/2003 11:09	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/12/2003 11:09	
Tetrachloroethene	ND	0.5	ug/L	08/12/2003 11:09	
Toluene	ND	0.5	ug/L	08/12/2003 11:09	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/12/2003 11:09	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/12/2003 11:09	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/12/2003 11:09	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/12/2003 11:09	

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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
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B

QC Batch # 2003/08/12-01.60

MB: 2003/08/12-01.60-009

Date Extracted: 08/12/2003 11:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	08/12/2003 11:09	
Trichlorofluoromethane	ND	1.0	ug/L	08/12/2003 11:09	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/12/2003 11:09	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	08/12/2003 11:09	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	08/12/2003 11:09	
Vinyl acetate	ND	25	ug/L	08/12/2003 11:09	
Vinyl chloride	ND	0.5	ug/L	08/12/2003 11:09	
Total xylenes	ND	1.0	ug/L	08/12/2003 11:09	
Surrogates(s)					
4-Bromofluorobenzene	91.4	86-115	%	08/12/2003 11:09	
1,2-Dichloroethane-d4	100.1	76-114	%	08/12/2003 11:09	
Toluene-d8	96.6	88-110	%	08/12/2003 11:09	

Volatile Organic Compounds by 8260B (Low Level)

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/08/12-01.60

LCS 2003/08/12-01.60-001

Extracted: 08/12/2003

Analyzed: 08/12/2003 10:01

LCSD 2003/08/12-01.60-035

Extracted: 08/12/2003

Analyzed: 08/12/2003 10:35

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	20.3	20.9	20.0	101.5	104.5	2.9	69-129	20		
Chlorobenzene	22.0	22.8	20.0	110.0	114.0	3.6	61-121	20		
1,1-Dichloroethene	16.8	17.3	20.0	84.0	86.5	2.9	65-125	20		
Toluene	21.6	22.2	20.0	108.0	111.0	2.7	70-130	20		
Trichloroethene	17.8	17.4	20.0	89.0	87.0	2.3	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	473	454	500	94.6	90.8		86-115			
1,2-Dichloroethane-d4	504	492	500	100.8	98.4		76-114			
Toluene-d8	488	508	500	97.6	101.6		88-110			

Volatile Organic Compounds by 8260B (Low Level)

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/08/12-01.60

MW-3 >> MS

Lab ID: 2003-08-0097 - 004

MS: 2003/08/12-01.60-028

Extracted: 08/12/2003

Analyzed: 08/12/2003 18:28

Dilution: 1.00

MSD: 2003/08/12-01.60-002

Extracted: 08/12/2003

Analyzed: 08/12/2003 19:02

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	21.3	20.5	ND	20.0	106.5	102.5	3.8	69-129	20		
Chlorobenzene	21.7	21.2	ND	20.0	108.5	106.0	2.3	61-121	20		
1,1-Dichloroethene	19.1	19.3	ND	20.0	95.5	96.5	1.0	65-125	20		
Toluene	20.2	20.7	ND	20.0	101.0	103.5	2.4	70-130	20		
Trichloroethene	16.9	18.0	ND	20.0	84.5	90.0	6.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	475	452		500	95.1	90.5		86-115			
1,2-Dichloroethane-d4	532	488		500	106.3	97.7		76-114			
Toluene-d8	479	516		500	95.8	103.3		88-110			

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/01/2003 11:35	Water	4

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Semi-volatile analysis by GC/MS - EPA8270C

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

Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2003-08-0097 - 4
Sampled:	08/01/2003 11:35	Extracted:	8/7/2003 12:04
Matrix:	Water	QC Batch#:	2003/08/07-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2-Chlorophenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Benzyl alcohol	ND	5.0	ug/L	1.00	08/08/2003 19:40	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2-Methylphenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	08/08/2003 19:40	
4-Methylphenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Hexachloroethane	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Nitrobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Isophorone	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2-Nitrophenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	08/08/2003 19:40	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Naphthalene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
4-Chloroaniline	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	08/08/2003 19:40	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	08/08/2003 19:40	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2-Nitroaniline	ND	10	ug/L	1.00	08/08/2003 19:40	
Dimethyl phthalate	ND	5.0	ug/L	1.00	08/08/2003 19:40	

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08/14/2003 16:05

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

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3510C/8270C

Test(s): 8270C

Sample ID: MW-3

Lab ID: 2003-08-0097 - 4

Sampled: 08/01/2003 11:35

Extracted: 8/7/2003 12:04

Matrix: Water

QC Batch#: 2003/08/07-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acenaphthylene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
3-Nitroaniline	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Acenaphthene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2,4-Dinitrophenol	ND	10	ug/L	1.00	08/08/2003 19:40	
4-Nitrophenol	ND	10	ug/L	1.00	08/08/2003 19:40	
Dibenzofuran	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Diethyl phthalate	ND	5.0	ug/L	1.00	08/08/2003 19:40	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Fluorene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
4-Nitroaniline	ND	10	ug/L	1.00	08/08/2003 19:40	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	08/08/2003 19:40	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	08/08/2003 19:40	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Hexachlorobenzene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Pentachlorophenol	ND	10	ug/L	1.00	08/08/2003 19:40	
Phenanthrene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Anthracene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Fluoranthene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Pyrene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	08/08/2003 19:40	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	08/08/2003 19:40	
Chrysene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	08/08/2003 19:40	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	08/08/2003 19:40	

08/14/2003 16:05

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Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

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

Project: 180255.80
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3510C/8270C Test(s): 8270C
Sample ID: MW-3 Lab ID: 2003-08-0097 - 4
Sampled: 08/01/2003 11:35 Extracted: 8/7/2003 12:04
Matrix: Water QC Batch#: 2003/08/07-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(a)pyrene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	08/08/2003 19:40	
Benzoic acid	ND	10	ug/L	1.00	08/08/2003 19:40	
Surrogates(s)						
Nitrobenzene-d5	47.2	35-114	%	1.00	08/08/2003 19:40	
2-Fluorobiphenyl	58.7	43-116	%	1.00	08/08/2003 19:40	
p-Terphenyl-d14	63.2	33-141	%	1.00	08/08/2003 19:40	
2-Fluorophenol	2.8	25-100	%	1.00	08/08/2003 19:40	sl
Phenol-d6	1.1	10-110	%	1.00	08/08/2003 19:40	sl
2,4,6-Tribromophenol	33.6	10-123	%	1.00	08/08/2003 19:40	

Semi-volatile analysis by GC/MS - EPA8270C

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180255.80
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2003/08/07-01.11-001

Water

Test(s): 8270C

QC Batch # 2003/08/07-01.11

Date Extracted: 08/07/2003 12:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	08/08/2003 10:37	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	08/08/2003 10:37	
2-Chlorophenol	ND	2.0	ug/L	08/08/2003 10:37	
1,3-Dichlorobenzene	ND	2.0	ug/L	08/08/2003 10:37	
1,4-Dichlorobenzene	ND	2.0	ug/L	08/08/2003 10:37	
Benzyl alcohol	ND	5.0	ug/L	08/08/2003 10:37	
1,2-Dichlorobenzene	ND	2.0	ug/L	08/08/2003 10:37	
2-Methylphenol	ND	2.0	ug/L	08/08/2003 10:37	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	08/08/2003 10:37	
4-Methylphenol	ND	2.0	ug/L	08/08/2003 10:37	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	08/08/2003 10:37	
Hexachloroethane	ND	2.0	ug/L	08/08/2003 10:37	
Nitrobenzene	ND	2.0	ug/L	08/08/2003 10:37	
Isophorone	ND	2.0	ug/L	08/08/2003 10:37	
2-Nitrophenol	ND	2.0	ug/L	08/08/2003 10:37	
2,4-Dimethylphenol	ND	2.0	ug/L	08/08/2003 10:37	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	08/08/2003 10:37	
2,4-Dichlorophenol	ND	2.0	ug/L	08/08/2003 10:37	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	08/08/2003 10:37	
Naphthalene	ND	2.0	ug/L	08/08/2003 10:37	
4-Chloroaniline	ND	2.0	ug/L	08/08/2003 10:37	
Hexachlorobutadiene	ND	2.0	ug/L	08/08/2003 10:37	
4-Chloro-3-methylphenol	ND	5.0	ug/L	08/08/2003 10:37	
2-Methylnaphthalene	ND	2.0	ug/L	08/08/2003 10:37	
Hexachlorocyclopentadiene	ND	5.0	ug/L	08/08/2003 10:37	
2,4,6-Trichlorophenol	ND	2.0	ug/L	08/08/2003 10:37	
2,4,5-Trichlorophenol	ND	2.0	ug/L	08/08/2003 10:37	
2-Chloronaphthalene	ND	2.0	ug/L	08/08/2003 10:37	
2-Nitroaniline	ND	10	ug/L	08/08/2003 10:37	

Severn Trent Laboratories, Inc.

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08/14/2003 16:05

Semi-volatile analysis by GC/MS - EPA8270C

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Received: 08/04/2003 15:05

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Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2003/08/07-01.11-001

Water

Test(s): 8270C

QC Batch # 2003/08/07-01.11

Date Extracted: 08/07/2003 12:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	08/08/2003 10:37	
Acenaphthylene	ND	2.0	ug/L	08/08/2003 10:37	
3-Nitroaniline	ND	2.0	ug/L	08/08/2003 10:37	
Acenaphthene	ND	2.0	ug/L	08/08/2003 10:37	
2,4-Dinitrophenol	ND	10	ug/L	08/08/2003 10:37	
4-Nitrophenol	ND	10	ug/L	08/08/2003 10:37	
Dibenzofuran	ND	2.0	ug/L	08/08/2003 10:37	
2,4-Dinitrotoluene	ND	2.0	ug/L	08/08/2003 10:37	
2,6-Dinitrotoluene	ND	5.0	ug/L	08/08/2003 10:37	
Diethyl phthalate	ND	5.0	ug/L	08/08/2003 10:37	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	08/08/2003 10:37	
Fluorene	ND	2.0	ug/L	08/08/2003 10:37	
4-Nitroaniline	ND	10	ug/L	08/08/2003 10:37	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	08/08/2003 10:37	
N-Nitrosodiphenylamine	ND	2.0	ug/L	08/08/2003 10:37	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	08/08/2003 10:37	
Hexachlorobenzene	ND	2.0	ug/L	08/08/2003 10:37	
Pentachlorophenol	ND	10	ug/L	08/08/2003 10:37	
Phenanthrene	ND	2.0	ug/L	08/08/2003 10:37	
Anthracene	ND	2.0	ug/L	08/08/2003 10:37	
Di-n-butyl phthalate	ND	5.0	ug/L	08/08/2003 10:37	
Fluoranthene	ND	2.0	ug/L	08/08/2003 10:37	
Pyrene	ND	2.0	ug/L	08/08/2003 10:37	
Butyl benzyl phthalate	ND	5.0	ug/L	08/08/2003 10:37	
3,3-Dichlorobenzidine	ND	5.0	ug/L	08/08/2003 10:37	
Benzo(a)anthracene	ND	2.0	ug/L	08/08/2003 10:37	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	08/08/2003 10:37	
Chrysene	ND	2.0	ug/L	08/08/2003 10:37	
Di-n-octyl phthalate	ND	5.0	ug/L	08/08/2003 10:37	

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Semi-volatile analysis by GC/MS - EPA8270C

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2003/08/07-01.11-001

Water

Test(s): 8270C

QC Batch # 2003/08/07-01.11

Date Extracted: 08/07/2003 12:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	08/08/2003 10:37	
Benzo(k)fluoranthene	ND	2.0	ug/L	08/08/2003 10:37	
Benzo(a)pyrene	ND	2.0	ug/L	08/08/2003 10:37	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	08/08/2003 10:37	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	08/08/2003 10:37	
Benzo(g,h,i)perylene	ND	2.0	ug/L	08/08/2003 10:37	
Benzoic acid	ND	10	ug/L	08/08/2003 10:37	
Surrogates(s)					
Nitrobenzene-d5	65.3	35-114	%	08/08/2003 10:37	
2-Fluorobiphenyl	68.7	43-116	%	08/08/2003 10:37	
p-Terphenyl-d14	78.9	33-141	%	08/08/2003 10:37	
2-Fluorophenol	39.6	25-100	%	08/08/2003 10:37	
Phenol-d6	24.8	10-110	%	08/08/2003 10:37	
2,4,6-Tribromophenol	59.9	10-123	%	08/08/2003 10:37	

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Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike
Water
QC Batch # 2003/08/07-01.11

LCS 2003/08/07-01.11-002

Extracted: 08/07/2003

Analyzed: 08/08/2003 11:05

LCSD 2003/08/07-01.11-003

Extracted: 08/07/2003

Analyzed: 08/08/2003 11:34

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Phenol	15.3	17.8	60.0	25.5	29.7	15.2	12-89	35		
2-Chlorophenol	36.2	40.4	60.0	60.3	67.3	11.0	23-134	25		
1,4-Dichlorobenzene	16.5	18.2	30.0	55.0	60.7	9.9	36-97	30		
N-Nitroso-di-n-propylamine	16.8	18.6	30.0	56.0	62.0	10.2	10-130	34		
1,2,4-Trichlorobenzene	18.3	18.2	30.0	61.0	60.7	0.5	44-142	35		
4-Chloro-3-methylphenol	37.2	36.8	60.0	62.0	61.3	1.1	22-147	31		
Acenaphthene	19.3	21.5	30.0	64.3	71.7	10.9	56-118	30		
4-Nitrophenol	15.8	15.9	60.0	26.3	26.5	0.8	1-132	35		
2,4-Dinitrotoluene	20.3	20.2	30.0	67.7	67.3	0.6	39-139	35		
Pentachlorophenol	36.5	35.8	60.0	60.8	59.7	1.8	45-125	35		
Pyrene	21.8	21.6	30.0	72.7	72.0	1.0	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	15.5	16.0	25	62.0	64.0		35-114			
2-Fluorobiphenyl	19.0	18.9	25	76.0	75.6		43-116			
p-Terphenyl-d14	19.4	19.8	25	77.6	79.2		33-141			
2-Fluorophenol	21.1	23.1	50	42.2	46.2		25-100			
Phenol-d6	14.3	15.9	50	28.6	31.8		10-110			
2,4,6-Tribromophenol	31.7	32.4	50	63.4	64.8		10-123			

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Semi-volatile analysis by GC/MS - EPA8270C

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Legend and Notes

Result Flag

sl

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

Metals

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Project: 180255.80
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/01/2003 11:35	Water	4

Metals

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

Project: 180255.80
Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-3	Lab ID: 2003-08-0097 - 4
Sampled: 08/01/2003 11:35	Extracted: 8/6/2003 12:45
Matrix: Water	QC Batch#: 2003/08/06-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	0.28	0.0050	mg/L	1.00	08/08/2003 20:13	

Metals

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3010A

Method Blank

MB: 2003/08/06-04.15-092

Water

Test(s): 6010B

QC Batch # 2003/08/06-04.15

Date Extracted: 08/06/2003 12:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	08/08/2003 18:52	

Metals

Gettler Ryan

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Project: 180255.80

Conoco #4625

Received: 08/04/2003 15:05

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike

Water

QC Batch # 2003/08/06-04.15

LCS 2003/08/06-04.15-095

Extracted: 08/06/2003

Analyzed: 08/08/2003 20:04

LCSD 2003/08/06-04.15-096

Extracted: 08/06/2003

Analyzed: 08/08/2003 20:08

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Chromium	0.480	0.482	0.500	96.0	96.4	0.4	80-120	20		