



R0298

76 Broadway
Sacramento, CA 95818
phone 916.558.7676
fax 916.558.7639

February 2, 2005

Alameda County
FEB 15 2005
Environmental Health

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: **Document Transmittal**
Fuel Leak Case
76 Station #4625
3070 Fruitvale Avenue
Oakland, CA

Dear Mr. Hwang:

Please find attached TRC's *Quarterly Status Report*, dated 2/4/05, and TRC's *Quarterly Monitoring Report*, dated 1/21/05 for the above referenced site. I declare, under penalty of perjury, that to the best of my knowledge the information and/or recommendations contained in the attached proposal or report is true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Thomas H. Kosel
Site Manger, Risk Management and Remediation
ConocoPhillips
76 Broadway, Sacramento, CA 95818

Attachment

cc: Roger Batra, TRC



Customer-Focused Solutions

February 4, 2005

TRC Project No. 42014501

Mr. Don Hwang
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577.

**RE: Quarterly Status Report - Fourth Quarter 2004
76 Service Station #4625, 3070 Fruitvale Avenue, Oakland, California
Alameda County**

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2004 Quarterly Status Report for the subject site, shown on the attached Figures 3 through 5.

PREVIOUS ASSESSMENTS

The site is currently an active service station located on the southeast corner of Fruitvale Avenue and School Street in Oakland, California.

April/May 1998: The gasoline underground storage tanks (USTs), product piping and dispensers were removed and replaced. Concentrations of total petroleum hydrocarbons as gasoline (TPH-g), benzene, and methyl tertiary butyl ether (MTBE) ranged from non-detect to moderate levels.

May 1998: A waste oil UST and associated piping was also removed. Concentrations of TPH-g, benzene, total petroleum hydrocarbons as diesel (TPH-d), total oil and grease (TOG), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals ranged from non-detect to moderate levels.

A total of approximately 1,166 tons of soil were over excavated and transported from the site to Allied Waste's Forward Landfill in Manteca, California. Additionally, 40,000 gallons of groundwater were pumped from the UST pit and transported to the Tosco Refinery in Rodeo, California for disposal. A conductor casing was installed in the backfill during installation of the replacement gasoline USTs. The waste oil tank was replaced with an aboveground tank.

April 2000: Four monitoring wells were installed at the site.

May 2003: Two monitoring wells were installed to 25 feet below ground surface (bgs) and two exploratory borings were advanced to approximately 15 feet bgs. Soil samples contained low maximum levels of benzene, MTBE, and tertiary butyl alcohol (TBA), and moderate levels of

TPH-g. Grab groundwater samples collected from the two soil borings were reported to contain elevated concentrations of petroleum hydrocarbons in both samples.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

SENSITIVE RECEPTORS

An irrigation well is located 1,700 feet south-southeast of the site.

MONITORING AND SAMPLING

Currently, seven wells are monitored and six wells are sampled quarterly. The groundwater gradient and flow direction were 0.02 foot/foot to the west.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in three of the six wells sampled, at a maximum concentration of 22,000 micrograms per liter ($\mu\text{g/l}$) in MW-5.

Benzene was detected in three of the six wells sampled, at a maximum concentration of 1,300 $\mu\text{g/l}$ in MW-5.

MTBE was detected in three of the six wells sampled, at a maximum concentration of 1,100 $\mu\text{g/l}$ in MW-6.

REMEDIATION STATUS

May 1998: A total of approximately 1,166 tons of soil generated during replacement of Fuel and waste oil USTs were over excavated and transported from the site to Allied Waste's Forward Landfill in Manteca, California. Additionally, 40,000 gallons of groundwater were pumped from the UST pit and transported to the Tosco Refinery in Rodeo, California for disposal.

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

November 18, 2004: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

QSR – Fourth Quarter 2004
76 Service Station #4625, Oakland, California
February 4, 2005
Page 3

NEXT QUARTER ACTIVITIES

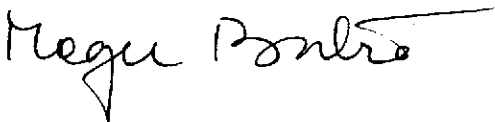
Await agency directives for additional assessment work, if any.

Continue quarterly monitoring and sampling to assess plume stability and concentration trends at key wells.

If you have any questions regarding this report, please call me at (925) 688-2466.

Sincerely,

TRC



Roger Batra
Senior Project Manager

Attachments:

Figure 3 – Dissolved-Phase TPPH Concentration Map, November 18, 2004, from Quarterly Monitoring Report October through December 2004, dated January 21, 2005 by TRC.

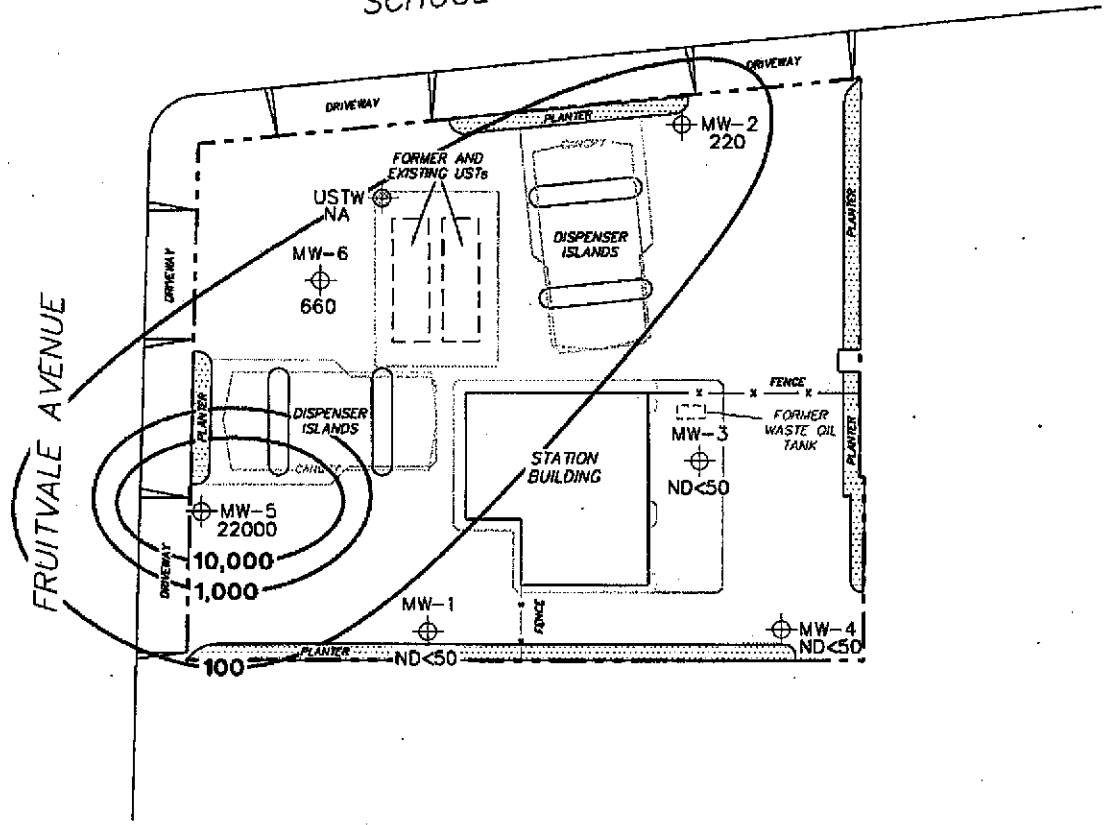
Figure 4 – Dissolved-Phase Benzene Concentration Map, November 18, 2004, from Quarterly Monitoring Report October through December 2004, dated January 21, 2005 by TRC.

Figure 5 – Dissolved-Phase MTBE Concentration Map, November 18, 2004, from Quarterly Monitoring Report October through December 2004, dated January 21, 2005 by TRC.

cc: Thomas Kosel, ConocoPhillips (hard copy and electronic upload)



SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 TPPH = total purgeable petroleum hydrocarbons.
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 NA = not analyzed, measured, or collected.
 UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

- MW-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)
- USTW ⊕ UST Observation Well
- 10,000- Dissolved-Phase TPPH Contour (µg/l)

**DISSOLVED-PHASE TPPH
 CONCENTRATION MAP
 November 18, 2004**

76 Station 4625
 3070 Fruitvale Avenue
 Oakland, California

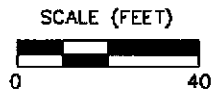
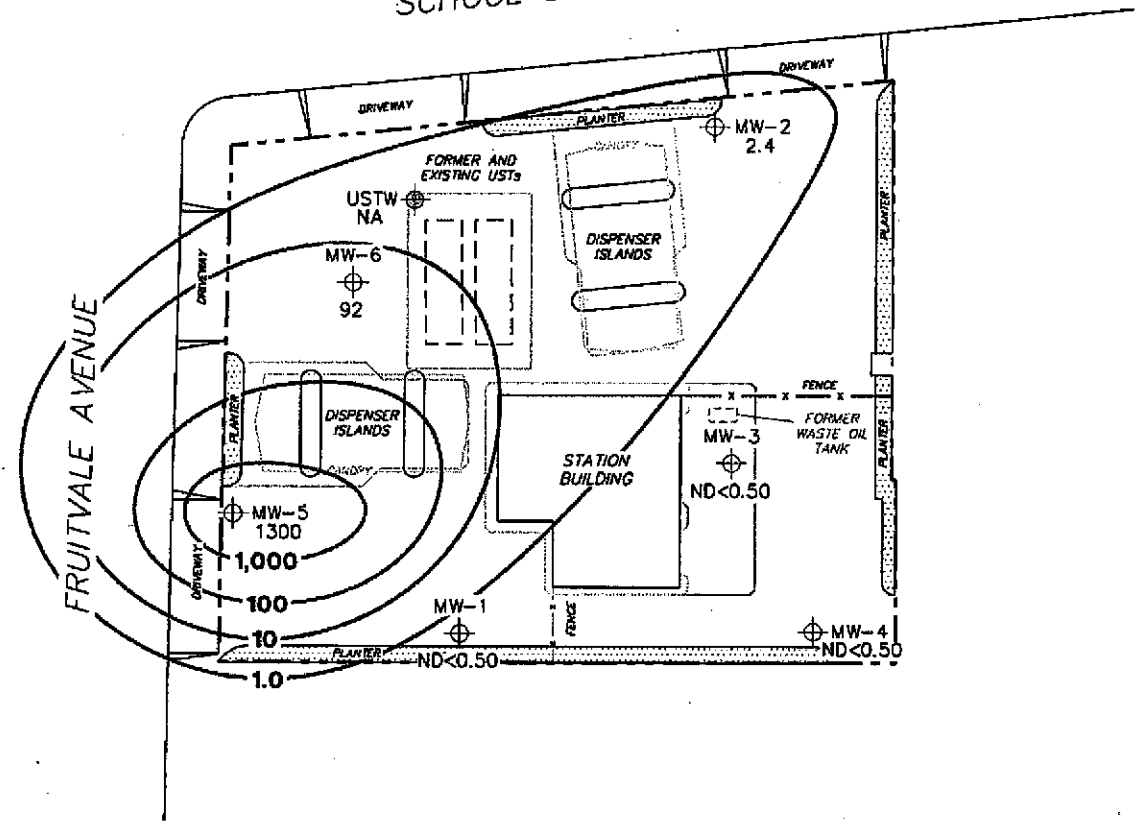


FIGURE 3

PS-1:1 4625-003





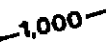
SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank.

LEGEND

- MW-6  Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)
- USTW  UST Observation Well
-  -1,000- Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
November 18, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

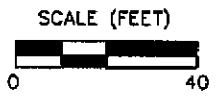
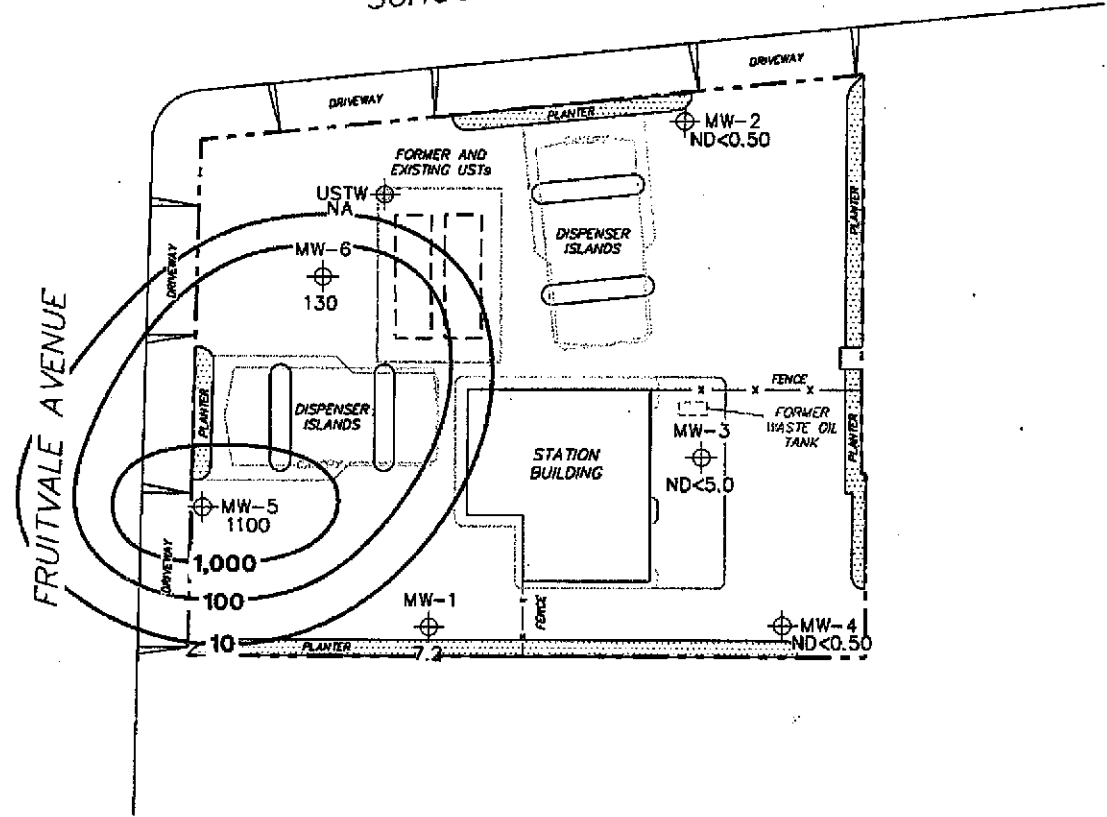


FIGURE 4

PS=1:1 4625-003



SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

- MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- USTW ⊕ UST Observation Well
- 1,000- Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE
CONCENTRATION MAP**
November 18, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

TRC

SCALE (FEET)



FIGURE 5

PS-1:1 4625-003



Customer-Focused Solutions

January 21, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 4625
3070 FRUITVALE AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 4625, located at 3070 Fruitvale Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan *af*
QMS Operations Manager

CC: Mr. Roger Batra, TRC (2 copies)

Enclosures
20-0400/4625R05.QMS



Customer-Focused Solutions

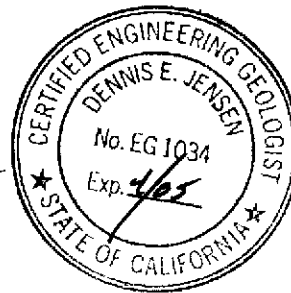
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004**

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
January 20, 2005

LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	<p>Table Key</p> <p>Table 1: Current Fluid Levels and Selected Analytical Results</p> <p>Table 2: Historic Fluid Levels and Selected Analytical Results</p> <p>Table 3: Additional Analytical Results</p> <p>Table 3b: Additional Analytical Results</p> <p>Table 3c: Additional Analytical Results</p> <p>Table 3d: Additional Analytical Results</p> <p>Table 3e: Additional Analytical Results</p> <p>Table 3f: Additional Analytical Results</p> <p>Table 4a: Additional Analytical Results</p> <p>Table 4b: Additional Analytical Results</p> <p>Table 4c: Additional Analytical Results</p> <p>Table 4d: Additional Analytical Results</p> <p>Table 4e: Additional Analytical Results</p> <p>Table 4f: Additional Analytical Results</p>
Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2: Groundwater Elevation Contour Map</p> <p>Figure 3: Dissolved-Phase TPPH Concentration Map</p> <p>Figure 4: Dissolved-Phase Benzene Concentration Map</p> <p>Figure 5: Dissolved-Phase MTBE Concentration Map</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>Benzene Concentrations vs. Time</p>
Field Activities	<p>General Field Procedures</p> <p>Groundwater Sampling Field Notes</p>
Laboratory Reports	<p>Official Laboratory Reports</p> <p>Quality Control Reports</p> <p>Chain of Custody Records</p>
Statements	<p>Purge Water Disposal</p> <p>Limitations</p>

Summary of Gauging and Sampling Activities
October 2004 through December 2004
76 Station 4625
3070 Fruitvale Avenue
Oakland, CA

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Valentina Tobon**

Date(s) of Gauging/Sampling Event: **11/18/04**

Sample Points

Groundwater wells: **7** onsite, **0** offsite Wells gauged: **7** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **6.91 feet** Maximum: **8.54 feet**
Average groundwater elevation (relative to available local datum): **130.64 feet**
Average change in groundwater elevation since previous event: **1.66 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.02 ft/ft, west**
 Previous event: **0.01 ft/ft, west (08/31/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **3** Wells above MCL (1.0 µg/l): **3**
 Maximum reported benzene concentration: **1,300 µg/l (MW-5)**

Wells with **TPPH 8260B** **3** Maximum: **22,000 µg/l (MW-5)**
Wells with **MTBE** **3** Maximum: **1,100 µg/l (MW-5)**

Notes:

USTW=Monitored Only-UST well,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.
9. Historical data has been validated for this report. Values presented in the following tables supercede those from previous reports.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 4625 in October 2004. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 18, 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1		(Screen Interval in feet: 5.0-25.0)												
11/18/04	137.57	6.91	0.00	130.66	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.4	--	7.2	
MW-2		(Screen Interval in feet: 5.0-25.0)												
11/18/04	139.85	8.21	0.00	131.64	2.24	--	220	2.4	ND<0.50	2.1	1.7	--	ND<0.50	
MW-3		(Screen Interval in feet: 5.0-25.0)												
11/18/04	138.89	7.20	0.00	131.69	2.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
D 11/18/04	138.89	7.20	0.00	131.69	0.00	--	--	--	--	--	--	--	ND<5.0	
MW-4		(Screen Interval in feet: 5.0-25.0)												
11/18/04	137.81	8.26	0.00	129.55	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5		(Screen Interval in feet: 5.0-25.0)												
11/18/04	137.66	8.54	0.00	129.12	1.51	--	22000	1300	900	1100	4600	--	1100	
MW-6		(Screen Interval in feet: 5.0-25.0)												
11/18/04	138.88	7.68	0.00	131.20	2.08	--	660	92	19	20	80	--	130	
USTW		(Screen Interval in feet: DNA)												
11/18/04	--	7.39	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only-UST well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 2000 Through November 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 (Screen Interval in feet: 5.0-25.0)														
05/03/00	136.36	11.81	0.00	124.55	--	ND	--	ND	ND	ND	ND	11	14	
07/28/00	136.36	7.79	0.00	128.57	4.02	ND	--	ND	ND	ND	ND	21	19	
10/29/00	136.36	7.90	0.00	128.46	-0.11	62	--	ND	ND	ND	ND	6.5	3.9	
02/09/01	136.36	7.95	0.00	128.41	-0.05	ND	--	ND	ND	ND	ND	9.0	9.0	
05/11/01	136.36	7.22	0.00	129.14	0.73	ND	--	ND	ND	ND	ND	12.7	16.3	
08/10/01	136.36	8.47	0.00	127.89	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	19	
11/07/01	136.36	8.10	0.00	128.26	0.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	22	26	
02/06/02	136.36	6.84	0.00	129.52	1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	18	
05/08/02	136.36	7.29	0.00	129.07	-0.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	19	
08/09/02	136.36	8.20	0.00	128.16	-0.91	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	
11/26/02	136.36	7.78	0.00	128.58	0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	
02/14/03	137.57	6.90	0.00	130.67	2.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.8	
05/03/03	137.57	7.36	0.00	130.21	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.4	
08/01/03	137.57	7.48	0.00	130.09	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.7	
10/30/03	137.57	8.74	0.00	128.83	-1.26	--	300	35	41	21	71	--	8.5	
01/29/04	137.57	6.72	0.00	130.85	2.02	--	74	ND<0.50	4.3	ND<0.50	ND<1.0	--	12	
05/27/04	137.57	7.98	0.00	129.59	-1.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	16	
08/31/04	137.57	8.42	0.00	129.15	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	23	
11/18/04	137.57	6.91	0.00	130.66	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.4	--	7.2	
MW-2 (Screen Interval in feet: 5.0-25.0)														
05/03/00	138.64	8.59	0.00	130.05	--	2400	--	53	ND	ND	240	ND	ND	
07/28/00	138.64	9.95	0.00	128.69	-1.36	2200	--	680	4.1	57	270	24	ND	
10/29/00	138.64	8.38	0.00	130.26	1.57	490	--	67	ND	23	22	ND	--	
02/09/01	138.64	8.41	0.00	130.23	-0.03	ND	--	3.1	ND	0.52	1.1	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 2000 Through November 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
05/11/01	138.64	8.93	0.00	129.71	-0.52	ND	--	1.99	ND	ND	ND	ND	--	
08/10/01	138.64	10.68	0.00	127.96	-1.75	96	--	20	ND<0.50	2.1	9.4	ND<5.0	--	
11/07/01	138.64	10.01	0.00	128.63	0.67	480	--	110	ND<1.0	26	42	ND<10	--	
02/06/02	138.64	8.10	0.00	130.54	1.91	69	--	13	ND<0.50	0.84	4.4	ND<5.0	--	
05/08/02	138.64	9.16	0.00	129.48	-1.06	53	--	13	ND<0.50	1.2	1.5	ND<5.0	--	
08/09/02	138.64	10.39	0.00	128.25	-1.23	--	140	20	ND<0.50	10	11	--	ND<2.0	
11/26/02	138.64	9.81	0.00	128.83	0.58	--	340	87	ND<0.50	33	23	--	ND<2.0	
02/14/03	139.85	8.19	0.00	131.66	2.83	--	130	12	ND<0.50	7.4	5.4	--	ND<2.0	
05/03/03	139.85	6.77	0.00	133.08	1.42	--	ND<50	2.5	ND<0.50	1.7	ND<1.0	--	ND<2.0	
08/01/03	139.85	9.63	0.00	130.22	-2.86	--	270	55	ND<0.50	23	6.0	--	ND<2.0	
10/30/03	139.85	11.06	0.00	128.79	-1.43	--	180	17	4.8	6.1	13	--	ND<2.0	
01/29/04	139.85	8.35	0.00	131.50	2.71	--	98	4.3	ND<0.50	1.5	3.6	--	ND<2.0	
05/27/04	139.85	9.66	0.00	130.19	-1.31	--	58	1.2	ND<0.50	0.87	1.1	--	ND<0.50	
08/31/04	139.85	10.45	0.00	129.40	-0.79	--	99	2.7	ND<0.50	1.8	2.8	--	ND<0.50	
11/18/04	139.85	8.21	0.00	131.64	2.24	--	220	2.4	ND<0.50	2.1	1.7	--	ND<0.50	
MW-3 (Screen Interval in feet: 5.0-25.0)														
05/03/00	137.68	7.60	0.00	130.08	--	ND	--	ND	ND	ND	ND	ND	ND	
07/28/00	137.68	8.82	0.00	128.86	-1.22	ND	--	ND	ND	ND	ND	ND	ND	
10/29/00	137.68	7.33	0.00	130.35	1.49	ND	--	ND	ND	ND	ND	ND	--	
02/09/01	137.68	7.40	0.00	130.28	-0.07	ND	--	ND	ND	ND	ND	ND	--	
05/11/01	137.68	7.90	0.00	129.78	-0.50	ND	--	ND	ND	ND	ND	ND	--	
08/10/01	137.68	9.09	0.00	128.59	-1.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/07/01	137.68	9.03	0.00	128.65	0.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
02/06/02	137.68	7.16	0.00	130.52	1.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 2000 Through November 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
05/08/02	137.68	8.04	0.00	129.64	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	137.68	9.27	0.00	128.41	-1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/26/02	137.68	8.79	0.00	128.89	0.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
02/14/03	138.89	7.18	0.00	131.71	2.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/03/03	138.89	5.88	0.00	133.01	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
08/01/03	138.89	8.52	0.00	130.37	-2.64	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/30/03	138.89	10.05	0.00	128.84	-1.53	--	ND<50	0.62	0.83	ND<0.50	ND<1.0	--	ND<5.0	
01/29/04	138.89	6.58	0.00	132.31	3.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/27/04	138.89	8.51	0.00	130.38	-1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/31/04	138.89	9.72	0.00	129.17	-1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<5.0	
11/18/04	138.89	7.20	0.00	131.69	2.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
D 11/18/04	138.89	7.20	0.00	131.69	0.00	--	--	--	--	--	--	--	ND<5.0	
MW-4 (Screen Interval in feet: 5.0-25.0)														
05/03/00	136.60	6.48	0.00	130.12	--	ND	--	ND	ND	ND	ND	ND	ND	
07/28/00	136.60	7.55	0.00	129.05	-1.07	ND	--	ND	ND	ND	ND	ND	--	
10/29/00	136.60	6.12	0.00	130.48	1.43	ND	--	ND	ND	ND	ND	ND	--	
02/09/01	136.60	6.14	0.00	130.46	-0.02	ND	--	ND	ND	ND	ND	ND	--	
05/11/01	136.60	7.51	0.00	129.09	-1.37	ND	--	ND	ND	ND	ND	ND	--	
08/10/01	136.60	8.66	0.00	127.94	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/07/01	136.60	7.92	0.00	128.68	0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
02/06/02	136.60	7.18	0.00	129.42	0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
05/08/02	136.60	6.86	0.00	129.74	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/09/02	136.60	7.67	0.00	128.93	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/26/02	136.60	8.08	0.00	128.52	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 2000 Through November 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
02/14/03	137.81	7.43	0.00	130.38	1.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/03/03	137.81	6.05	0.00	131.76	1.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
08/01/03	137.81	8.21	0.00	129.60	-2.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/30/03	137.81	9.04	0.00	128.77	-0.83	--	ND<50	1.1	2.3	2.2	7.0	--	ND<2.0	
01/29/04	137.81	8.22	0.00	129.59	0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/27/04	137.81	7.43	0.00	130.38	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/31/04	137.81	8.35	0.00	129.46	-0.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/18/04	137.81	8.26	0.00	129.55	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5 (Screen Interval in feet: 5.0-25.0)														
11/26/02	--	9.89	0.00	--	--	--	2500	350	39	32	640	--	470	
02/14/03	137.66	8.65	0.00	129.01	--	--	6600	920	210	430	1300	--	960	
05/03/03	137.66	8.23	0.00	129.43	0.42	--	33000	2400	2200	2000	7600	--	1500	
08/01/03	137.66	9.63	0.00	128.03	-1.40	--	14000	880	130	630	2000	--	630	
10/30/03	137.66	10.58	0.00	127.08	-0.95	--	1400	75	43	39	140	--	330	
01/29/04	137.66	8.70	0.00	128.96	1.88	--	6300	750	56	400	1000	--	1100	
05/27/04	137.66	9.59	0.00	128.07	-0.89	--	4600	260	15	300	840	--	400	
08/31/04	137.66	10.05	0.00	127.61	-0.46	--	1500	53	ND<2.5	48	49	--	250	
11/18/04	137.66	8.54	0.00	129.12	1.51	--	22000	1300	900	1100	4600	--	1100	
MW-6 (Screen Interval in feet: 5.0-25.0)														
11/26/02	--	9.19	0.00	--	--	--	11000	1200	2000	400	2300	--	490	
02/14/03	138.88	7.76	0.00	131.12	--	--	13000	2300	1900	560	2300	--	360	
05/03/03	138.88	6.62	0.00	132.26	1.14	--	4300	1000	640	260	990	--	300	
08/01/03	138.88	9.05	0.00	129.83	-2.43	--	16000	2600	2300	740	2900	--	660	
10/30/03	138.88	10.43	0.00	128.45	-1.38	--	2900	420	260	120	480	--	450	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 2000 Through November 2004
76 Station 4625

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
01/29/04	138.88	7.81	0.00	131.07	2.62	--	400	58	21	14	65	--	62	
05/27/04	138.88	9.11	0.00	129.77	-1.30	--	580	58	14	20	69	--	410	
08/31/04	138.88	9.76	0.00	129.12	-0.65	--	660	77	7.0	19	65	--	360	
11/18/04	138.88	7.68	0.00	131.20	2.08	--	660	92	19	20	80	--	130	
USTW (Screen Interval in feet: DNA)														
05/03/00	--	8.00	0.00	--	--	--	--	--	--	--	--	--	--	
07/28/00	--	9.28	0.00	--	--	--	--	--	--	--	--	--	--	
10/29/00	--	7.75	0.00	--	--	--	--	--	--	--	--	--	--	
02/09/01	--	6.14	0.00	--	--	--	--	--	--	--	--	--	--	
05/11/01	--	7.96	0.00	--	--	--	--	--	--	--	--	--	--	
08/10/01	--	9.54	0.00	--	--	--	--	--	--	--	--	--	--	
11/07/01	--	9.33	0.00	--	--	--	--	--	--	--	--	--	--	
02/06/02	--	8.08	0.00	--	--	--	--	--	--	--	--	--	--	
05/08/02	--	8.51	0.00	--	--	--	--	--	--	--	--	--	--	
08/09/02	--	9.56	0.00	--	--	--	--	--	--	--	--	--	--	
11/26/02	--	9.16	0.00	--	--	--	--	--	--	--	--	--	--	
05/03/03	--	6.25	0.00	--	--	--	--	--	--	--	--	--	--	
08/01/03	--	8.99	--	--	--	--	--	--	--	--	--	--	--	
10/30/03	--	10.44	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
01/29/04	--	6.52	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
05/27/04	--	8.98	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
08/31/04	--	9.75	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only
11/18/04	--	7.39	0.00	--	--	--	--	--	--	--	--	--	--	Monitored Only-UST well

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	TPH-D (µg/l)	Styrene (µg/l)	cis-1,3-dichloro-propene (µg/l)	trans-1,3-Dichloro-propene (µg/l)	1,4-Dichloro-benzene (µg/l)	EDC (µg/l)	Vinyl acetate (µg/l)	MIBK (µg/l)	Chloro-benzene (µg/l)	2-Chloroethy l vinyl (µg/l)	Dibromo-chloro-methane (µg/l)	PCE (µg/l)	cis-1,2-Dichloro-ethene (µg/l)	trans-1,2-Dichloro-ethene (µg/l)	1,3-Dichloro-benzene (µg/l)
MW-1															
02/09/01	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
05/11/01	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--
08/10/01	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
11/07/01	--	--	--	--	--	ND<1.0	--	--	--	--	--	--	--	--	--
02/06/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
05/08/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
08/09/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
11/26/02	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
02/14/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
05/03/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
08/01/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
05/27/04	--	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--
08/31/04	--	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--
MW-3															
05/03/00	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/28/00	ND	--	--	--	--	ND	--	--	--	--	--	2.7	--	--	--
10/29/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/01	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/11/01	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/10/01	63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/07/01	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/06/02	ND<310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/08/02	ND<53	--	--	--	--	--	--	--	--	--	--	0.56	0.69	--	--
08/09/02	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	TPH-D (µg/l)	Styrene (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Vinyl acetate (µg/l)	MIBK (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)
MW-3 continued															
11/26/02	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/14/03	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/03/03	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/01/03	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/30/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<25	ND<50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/29/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<2.7	ND<0.50	ND<25	ND<50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
05/27/04	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<25	ND<50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/31/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<25	ND<50	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
11/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<25	ND<50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4															
02/14/03	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
MW-5															
11/26/02	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
02/14/03	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
05/03/03	--	--	--	--	--	ND<200	--	--	--	--	--	--	--	--	--
08/01/03	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
10/30/03	--	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--
01/29/04	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
05/27/04	--	--	--	--	--	ND<5.0	--	--	--	--	--	--	--	--	--
08/31/04	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--
02/14/03	--	--	--	--	--	ND<40	--	--	--	--	--	--	--	--	--
05/03/03	--	--	--	--	--	ND<100	--	--	--	--	--	--	--	--	--
08/01/03	--	--	--	--	--	ND<80	--	--	--	--	--	--	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	TPH-D (µg/l)	Styrene (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Vinyl acetate (µg/l)	MIBK (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)
MW-6 continued															
10/30/03	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--
01/29/04	--	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--
05/27/04	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--
08/31/04	--	--	--	--	--	ND<2.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS

76 Station 4625

Date Sampled	Carbon tetra-chloride (µg/l)	2-Hexanone (µg/l)	Acetone (µg/l)	Chloro-form (µg/l)	1,1,1-Trichloro-ethane (µg/l)	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Carbon disulfide (µg/l)	Bromoform (µg/l)	Bromo-dichloro-methane (µg/l)	1,1-Dichloro-ethane (µg/l)	1,1-Dichloro-ethene (µg/l)
MW-3															
10/30/03	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/29/04	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50
05/27/04	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/31/04	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50
11/18/04	ND<0.50	ND<50	ND<50	ND<1.0	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 3 c
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	Trichloro- fluoro- methane (µg/l)	Trichloro- trifluoro- ethane (µg/l)	1,2- Dichloro- propane (µg/l)	MEK (µg/l)	1,1,2- Trichloro- ethane (µg/l)	TCE (µg/l)	1,1,2,2- Tetrachloro- ethane (µg/l)	1,2- Dichloro- benzene (µg/l)	Dichloro- difluoro- methane (µg/l)	n-Propyl- benzene (µg/l)	n-Butyl- benzene (µg/l)	4-Chloro- toluene (µg/l)	EDB (µg/l)	1,3,5- Trimethyl- benzene (µg/l)	Bromo- benzene (µg/l)
MW-1															
02/09/01	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--
05/11/01	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--
08/10/01	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
11/07/01	--	--	--	--	--	--	--	--	--	--	--	--	ND<1.0	--	--
02/06/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
05/08/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
08/09/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
02/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
05/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
08/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
05/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--	--
08/31/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.5	--	--
11/18/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--	--
MW-3															
07/28/00	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--
11/07/01	--	--	--	--	--	0.55	--	--	--	--	--	--	--	--	--
05/08/02	--	--	--	--	--	0.86	--	--	--	--	--	--	--	--	--
10/30/03	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
01/29/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
05/27/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
08/31/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
11/18/04	ND<1.0	ND<0.50	ND<0.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0
MW-4															
02/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--

Table 3 c
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-Dichloro-propane (µg/l)	MEK (µg/l)	1,1,2-Trichloro-ethane (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro-ethane (µg/l)	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoro-methane (µg/l)	n-Propyl-benzene (µg/l)	n-Butyl-benzene (µg/l)	4-Chloro-toluene (µg/l)	EDB (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	Bromo-benzene (µg/l)
MW-4 continued															
08/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
MW-5															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
02/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
05/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<200	--	--
08/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<10	--	--
01/29/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
05/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<5.0	--	--
08/31/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.5	--	--
11/18/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<10	--	--
MW-6															
11/26/02	--	--	--	--	--	--	--	--	--	--	--	--	ND<40	--	--
02/14/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<40	--	--
05/03/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<100	--	--
08/01/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<80	--	--
10/30/03	--	--	--	--	--	--	--	--	--	--	--	--	ND<20	--	--
01/29/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	--
05/27/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.5	--	--
08/31/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.5	--	--
11/18/04	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--	--

Table 3 d
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	1,2,4-Trichlorobenzene (µg/l)	sec-Butylbenzene (µg/l)	1,3-Dichloropropane (µg/l)	1,1-Dichloropropene (µg/l)	2,2-Dichloropropane (µg/l)	1,1,1,2-Tetrachloroethane (µg/l)	Dibromomethane (µg/l)	Bromochloromethane (µg/l)	1,2,3-Trichlorobenzene (µg/l)	HCBD (µg/l)	2-Chlorotoluene (µg/l)	1,2,4-Trimethylbenzene (µg/l)	DBCP (µg/l)	tert-Butylbenzene (µg/l)	Isopropylbenzene (µg/l)
MW-3															
10/30/03	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50
01/29/04	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<2.7	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50
05/27/04	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50
08/31/04	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50
11/18/04	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0	ND<1.0	ND<0.50

Table 3 e
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	p-Isopropyl-toluene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)
MW-1															
02/09/01	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
05/11/01	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
08/10/01	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
11/07/01	--	--	ND<1.0	ND<20	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--
02/06/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
05/08/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
08/09/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
11/26/02	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
02/14/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
05/03/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
08/01/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
05/27/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	--	--	--	--	--	--	--
08/31/04	--	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	--	--	--	--	--	--	--
MW-3															
07/28/00	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
10/30/03	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
01/29/04	ND<1.0	ND<1.0	--	--	--	--	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7
05/27/04	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
08/31/04	ND<1.0	ND<1.0	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/18/04	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4															
02/14/03	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
MW-5															

Table 3 e
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	p-Isopropyl-toluene (µg/l)	Naphthalene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaphthylene (µg/l)	Acenaphthene (µg/l)	Fluorene (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Benzo (a)Anthracene (µg/l)	Chrysene (µg/l)
MW-5 continued															
11/26/02	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
02/14/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
05/03/03	--	--	ND<200	ND<10000	ND<200	ND<200	--	--	--	--	--	--	--	--	--
08/01/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--	--	--	--	--	--	--
01/29/04	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
05/27/04	--	--	ND<5.0	ND<50	ND<10	ND<5.0	--	--	--	--	--	--	--	--	--
08/31/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	ND<10	140	ND<20	ND<10	--	--	--	--	--	--	--	--	--
MW-6															
11/26/02	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--	--
02/14/03	--	--	ND<40	ND<2000	ND<40	ND<40	--	--	--	--	--	--	--	--	--
05/03/03	--	--	ND<100	ND<5000	ND<100	ND<100	--	--	--	--	--	--	--	--	--
08/01/03	--	--	ND<80	ND<4000	ND<80	ND<80	--	--	--	--	--	--	--	--	--
10/30/03	--	--	ND<20	ND<1000	ND<20	ND<20	--	--	--	--	--	--	--	--	--
01/29/04	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--
05/27/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	--	--	--	--	--	--	--	--	--
08/31/04	--	--	ND<2.5	ND<25	ND<5.0	ND<2.5	--	--	--	--	--	--	--	--	--
11/18/04	--	--	ND<0.50	8.1	ND<1.0	ND<0.50	--	--	--	--	--	--	--	--	--

Table 3 f
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)- perylene (µg/l)	Indeno (1,2,3c,d)- pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2- Ethylhexyl) phthalate (µg/l)	2-Methyl- phenol (µg/l)	4-Methyl- phenol (µg/l)	Chromium (mg/l)	TOG (mg/l)	2-Methyl- naph- thalene (µg/l)
MW-1													
02/09/01	--	--	--	--	--	--	ND	--	--	--	--	--	--
05/11/01	--	--	--	--	--	--	ND	--	--	--	--	--	--
08/10/01	--	--	--	--	--	--	ND<1000	--	--	--	--	--	--
11/07/01	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
02/06/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/08/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
08/09/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
11/26/02	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
02/14/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/03/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
08/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
01/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
08/31/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
11/18/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
MW-2													
08/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
01/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
08/31/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
11/18/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
MW-3													
05/03/00	--	--	--	--	--	--	--	--	--	--	ND	ND	--
07/28/00	--	--	--	--	--	--	--	--	--	--	1.8	ND	--

Table 3 f
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)- perylene (µg/l)	Indeno (1,2,3c,d)- pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2- Ethylhexyl) phthalate (µg/l)	2-Methyl- phenol (µg/l)	4-Methyl- phenol (µg/l)	Chromium (mg/l)	TOG (mg/l)	2-Methyl- naph- thalene (µg/l)
MW-3 continued													
10/29/00	--	--	--	--	--	--	--	--	--	--	ND	7.0	--
02/09/01	--	--	--	--	--	--	--	--	--	--	0.038	ND	--
05/11/01	--	--	--	--	--	--	--	--	--	--	ND	ND	--
08/10/01	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--
11/07/01	--	--	--	--	--	--	--	--	--	--	ND<0.010	ND<5.0	--
02/06/02	--	--	--	--	--	--	--	--	--	--	0.11	ND<5.0	--
05/08/02	--	--	--	--	--	--	--	--	--	--	0.037	ND<5.2	--
08/09/02	--	--	--	--	--	--	--	--	--	--	0.70	ND<1.0	--
11/26/02	--	--	--	--	--	--	--	--	--	--	0.34	ND<1.0	--
02/14/03	--	--	--	--	--	--	--	--	--	--	0.074	ND<1.0	--
05/03/03	--	--	--	--	--	--	--	--	--	--	0.48	ND<1.0	--
08/01/03	--	--	--	--	--	--	ND<500	--	--	--	0.28	ND<4.0	--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	0.13	ND<1.0	--
01/29/04	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<2.7	ND<500	ND<14	ND<2.7	ND<2.7	0.027	ND<1.0	--
05/27/04	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<50	ND<20	ND<4.0	ND<4.0	0.0061	ND<1.0	ND<4.0
08/31/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<50	ND<10	ND<2.0	ND<2.0	1.0	1.2	ND<2.0
11/18/04	--	--	--	--	--	--	ND<50	--	--	--	ND<0.0050	ND<5.0	--
MW-4													
02/14/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
08/01/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
01/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/27/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
08/31/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
11/18/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--
MW-5													

Table 3 f
ADDITIONAL ANALYTICAL RESULTS
76 Station 4625

Date Sampled	B[B]F (µg/l)	B[K]F (µg/l)	Benzo(a) Pyrene (µg/l)	DB[A,H]A (µg/l)	Benzo (g,h,i)- perylene (µg/l)	Indeno (1,2,3c,d)- pyrene (µg/l)	Ethanol 8260B (µg/l)	bis(2- Ethylhexyl) phthalate (µg/l)	2-Methyl- phenol (µg/l)	4-Methyl- phenol (µg/l)	Chromium (mg/l)	TOG (mg/l)	2-Methyl- naph- thalene (µg/l)
MW-5 continued													
11/26/02	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
02/14/03	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
05/03/03	--	--	--	--	--	--	ND<50000	--	--	--	--	--	--
08/01/03	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	ND<2500	--	--	--	--	--	--
01/29/04	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
05/27/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
08/31/04	--	--	--	--	--	--	ND<250	--	--	--	--	--	--
11/18/04	--	--	--	--	--	--	ND<1000	--	--	--	--	--	--
MW-6													
11/26/02	--	--	--	--	--	--	ND<10000	--	--	--	--	--	--
02/14/03	--	--	--	--	--	--	ND<10000	--	--	--	--	--	--
05/03/03	--	--	--	--	--	--	ND<25000	--	--	--	--	--	--
08/01/03	--	--	--	--	--	--	ND<20000	--	--	--	--	--	--
10/30/03	--	--	--	--	--	--	ND<5000	--	--	--	--	--	--
01/29/04	--	--	--	--	--	--	ND<500	--	--	--	--	--	--
05/27/04	--	--	--	--	--	--	ND<250	--	--	--	--	--	--
08/31/04	--	--	--	--	--	--	ND<250	--	--	--	--	--	--
11/18/04	--	--	--	--	--	--	ND<50	--	--	--	--	--	--

Table 4a
ADDITIONAL ANALYTICAL RESULTS
SVOCs by EPA Method 8270C
76 Station 4625

Date Sampled	Phenol (µg/l)	Bis(2-chloro- ethyl)ether (µg/l)	2-Chlorophenol (µg/l)	1,3-Dichloro benzene (µg/l)	1,4-Dichloro benzene (µg/l)	Benzyl alcohol (µg/l)	1,2-Dichloro benzene (µg/l)	2-Methyl phenol (µg/l)	Bis(2-chloro- isopropyl)ether (µg/l)	4-Methyl phenol (µg/l)	N-Nitroso-di-n- propylamine (µg/l)
MW-3 11/18/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 4b
ADDITIONAL ANALYTICAL RESULTS
SVOCs by EPA Method 8270C
76 Station 4625

Date Sampled	Hexachloro- ethane (µg/l)	Nitrobenzene (µg/l)	Isophorone (µg/l)	2-Nitrophenol (µg/l)	2,4-Dimethyl- phenol (µg/l)	Bis(2-chloro- ethoxy) methane (µg/l)	2,4-Dichloro- phenol (µg/l)	1,2,4-Trichloro- benzene (µg/l)	Naphthalene (µg/l)	4-Chloroaniline (µg/l)	Hexachloro- butadiene (µg/l)
MW-3 11/18/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 4c
ADDITIONAL ANALYTICAL RESULTS
 SVOCs by EPA Method 8270C
 76 Station 4625

Date Sampled	4-Chloro-3- methylphenol (µg/l)	2-Methyl- naphthalene (µg/l)	Hexachloro- cyclopentadiene (µg/l)	2,4,6-Trichloro- phenol (µg/l)	2,4,5-Trichloro- phenol (µg/l)	2-Chloro- naphthalene (µg/l)	2-Nitroaniline (µg/l)	Dimethyl phthalate (µg/l)	Acenaph- thylene (µg/l)	3-Nitroaniline (µg/l)	Acenaphthene (µg/l)
MW-3 11/18/04	ND<5.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<5.0	ND<2.0	ND<2.0	ND<2.0

Table 4d
 ADDITIONAL ANALYTICAL RESULTS
 SVOCs by EPA Method 8270C
 76 Station 4625

Date Sampled	2,4-Dinitro- phenol (µg/l)	4-Nitrophenol (µg/l)	Dibenzofuran (µg/l)	2,4-Dinitro- toluene (µg/l)	2,6-Dinitro- toluene (µg/l)	Diethyl phthalate (µg/l)	4-Chlorophenyl phenyl ether (µg/l)	Fluorene (µg/l)	4-Nitroaniline (µg/l)	2-Methyl-4,6- dinitrophenol (µg/l)	N-Nitrosodi- phenylamine (µg/l)
MW-3 11/18/04	ND<10	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<10	ND<10	ND<2.0

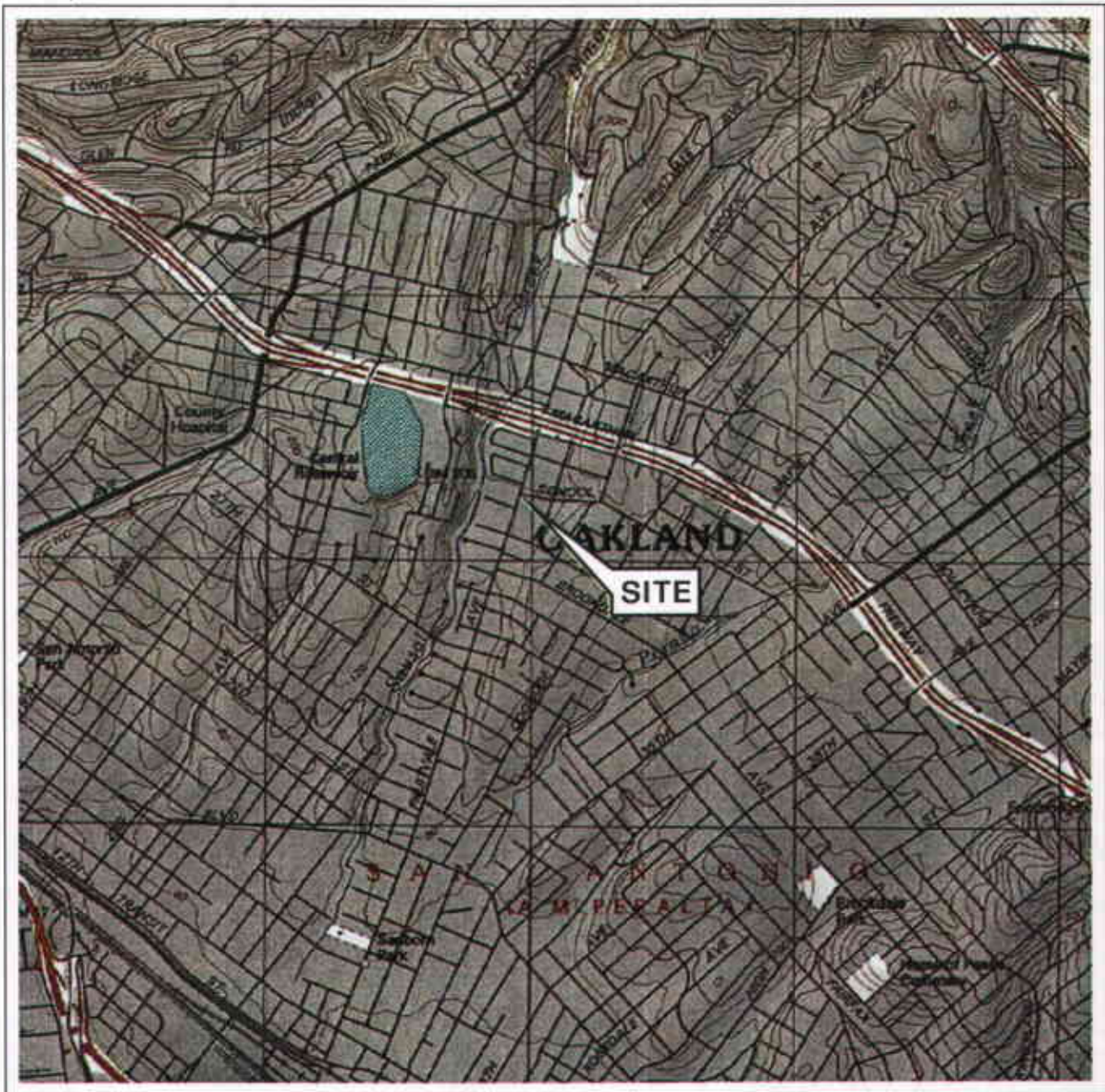
Table 4e
ADDITIONAL ANALYTICAL RESULTS
 SVOCs by EPA Method 8270C
 76 Station 4625

Date Sampled	4-Bromophenyl phenyl ether (µg/l)	Hexachloro- benzene (µg/l)	Pentachloro- phenol (µg/l)	Phenanthrene (µg/l)	Anthracene (µg/l)	Di-n-butyl phthalate (µg/l)	Fluoranthene (µg/l)	Pyrene (µg/l)	Butyl benzyl phthalate (µg/l)	3,3-Dichloro- benzidine (µg/l)	Benzo(a)- anthracene (µg/l)
MW-3 11/18/04	ND<5.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<2.0

Table 4f
ADDITIONAL ANALYTICAL RESULTS
SVOCs by EPA Method 8270C
76 Station 4625

Date Sampled	bis(2-Ethylhexyl) phthalate (µg/l)	Chrysene (µg/l)	Di-n-octyl phthalate (µg/l)	Benzo(b)- fluoranthene (µg/l)	Benzo(k)- fluoranthene (µg/l)	Benzo(a)pyrene (µg/l)	Indeno(1,2,3-c,d)- pyrene (µg/l)	Dibenzo(a,h)- anthracene (µg/l)	Benzo(g,h,i)- perylene (µg/l)	Benzoic acid (µg/l)
MW-3 11/18/04	ND < 10	ND < 2.0	ND < 5.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 10

FIGURES



SCALE 1:24,000



QUADRANGLE
LOCATION

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland East Quadrangle

VICINITY MAP

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

FIGURE 1

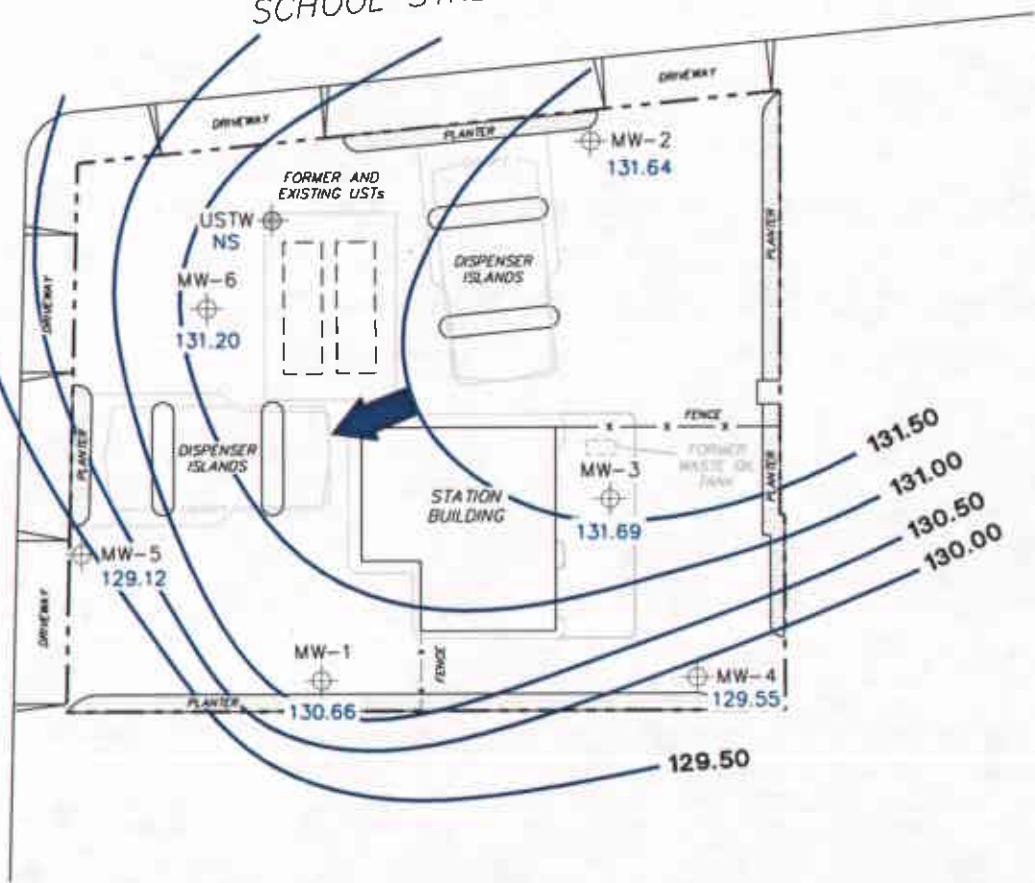


ES - 1:1



SCHOOL STREET





FRUITVALE AVENUE



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NS = not surveyed. UST = underground storage tank.

LEGEND

- MW-6  Monitoring Well with Groundwater Elevation (feet)
- USTW  UST Observation Well
- 131.50  Groundwater Elevation Contour
-  General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
November 18, 2004

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

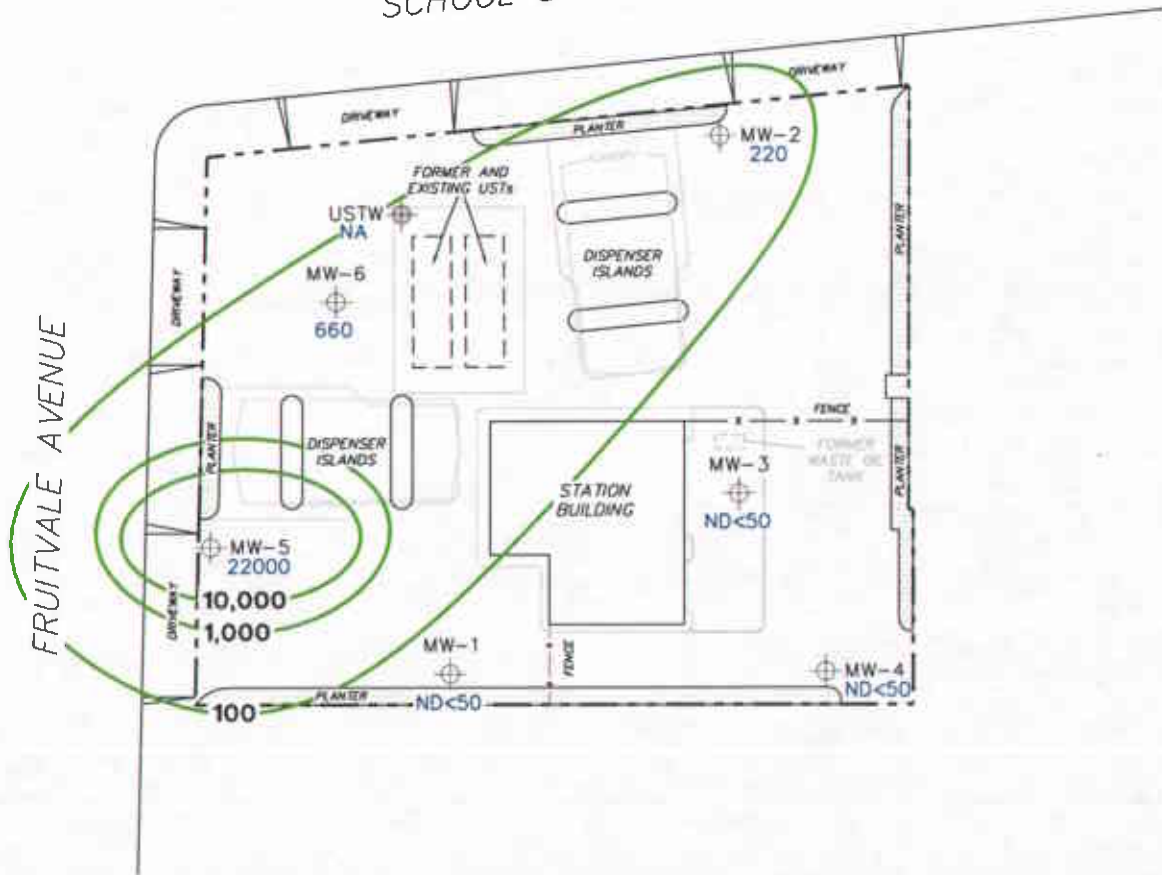
FIGURE 2



PS=1:14625-003



SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration ($\mu\text{g/l}$)

USTW ⊕ UST Observation Well

-10,000- Dissolved-Phase TPPH Contour ($\mu\text{g/l}$)

**DISSOLVED-PHASE TPPH
CONCENTRATION MAP
November 18, 2004**

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

SCALE (FEET)



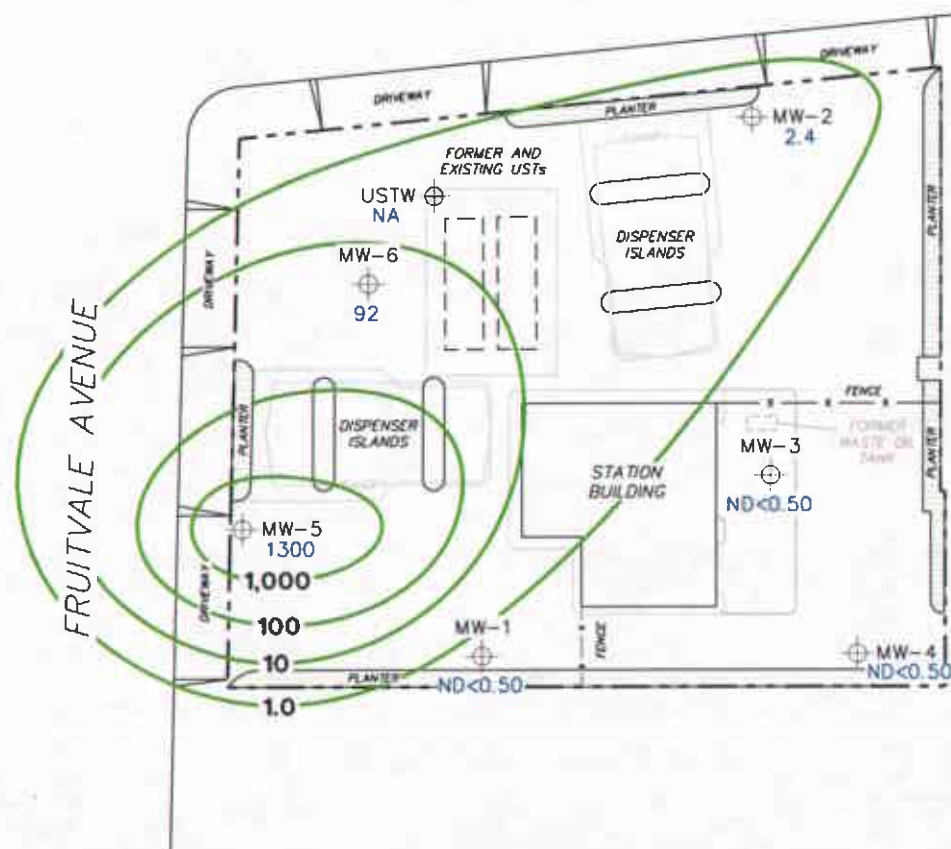
FIGURE 3



PS=1:1 4625-003






SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 $\mu\text{g/l}$ = micrograms per liter, ND = not detected at limit indicated on official laboratory report.
 NA = not analyzed, measured, or collected.
 UST = underground storage tank.

LEGEND

- MW-6  Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)
- USTW  UST Observation Well
-  Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
 November 18, 2004

76 Station 4625
 3070 Fruitvale Avenue
 Oakland, California

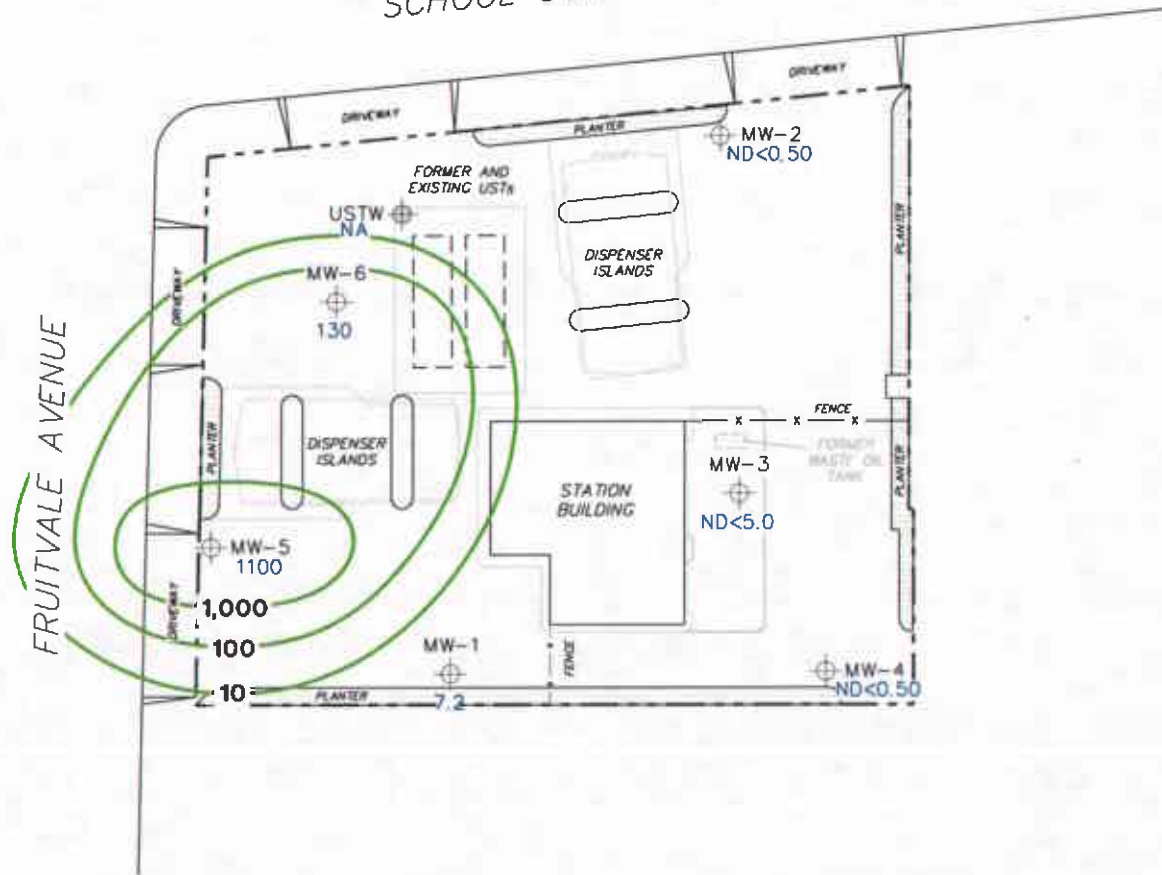


FIGURE 4

PS=1:14625-003



SCHOOL STREET



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter, ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8260B.

LEGEND

- MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- USTW ⊕ UST Observation Well
- 1,000 - Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE
CONCENTRATION MAP
November 18, 2004**

76 Station 4625
3070 Fruitvale Avenue
Oakland, California

TRC

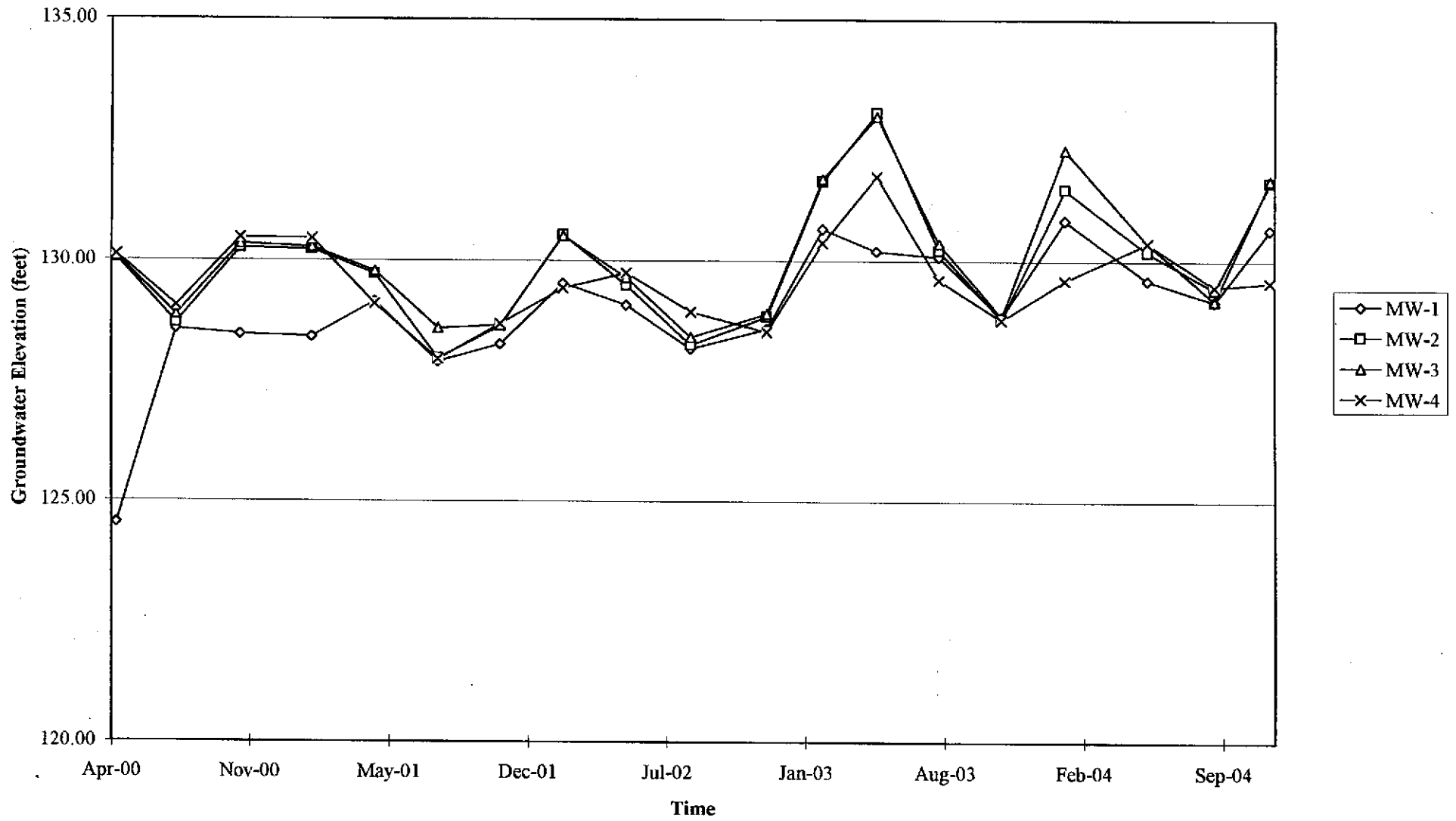
SCALE (FEET)



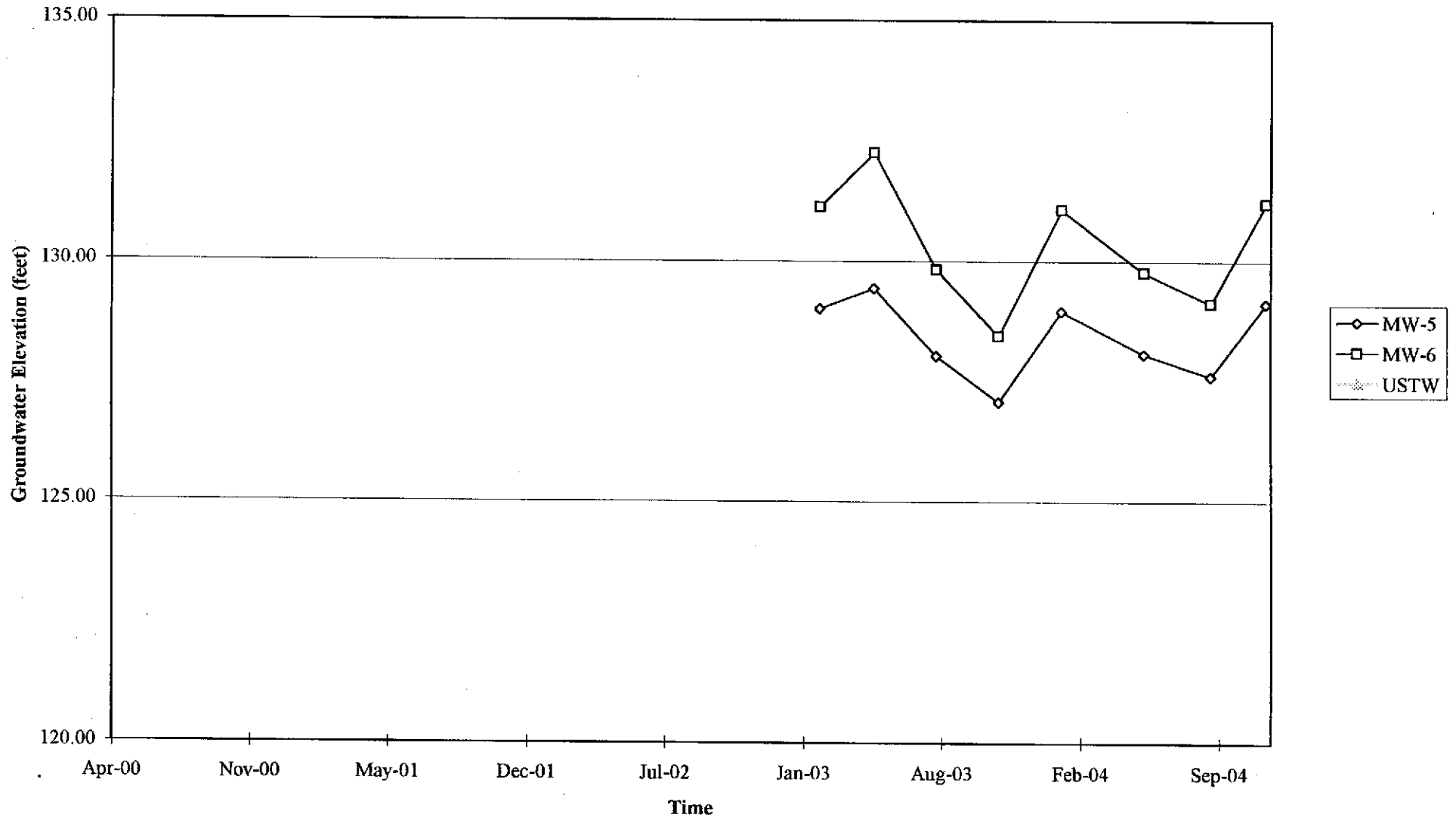
FIGURE 5

GRAPHS

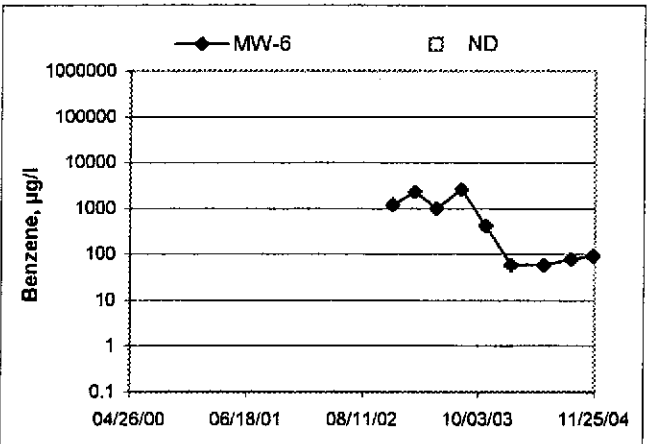
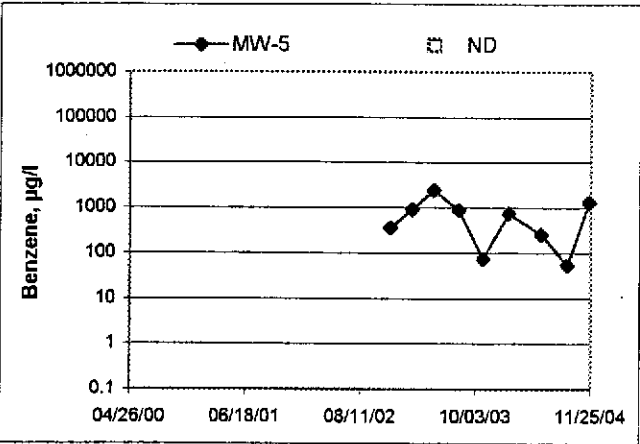
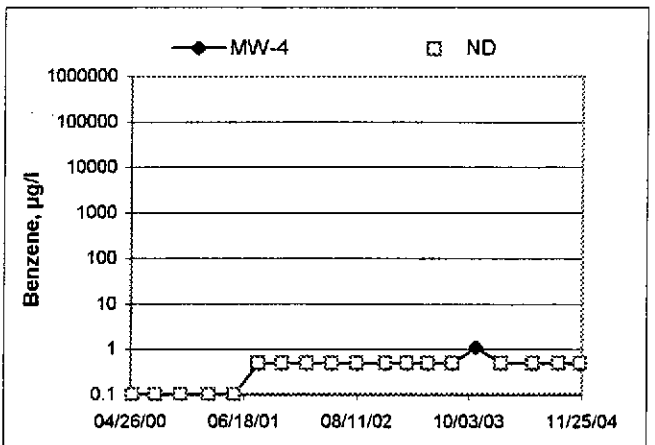
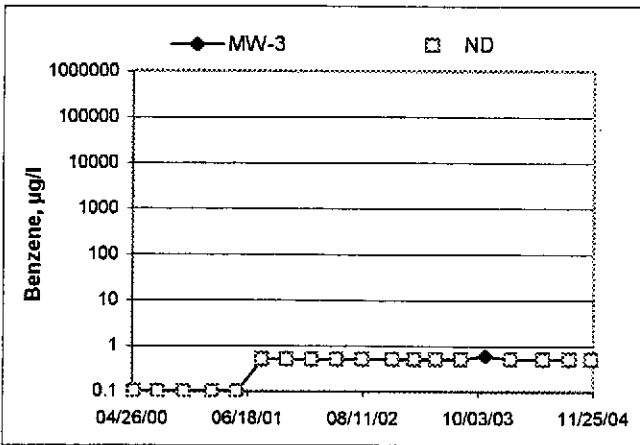
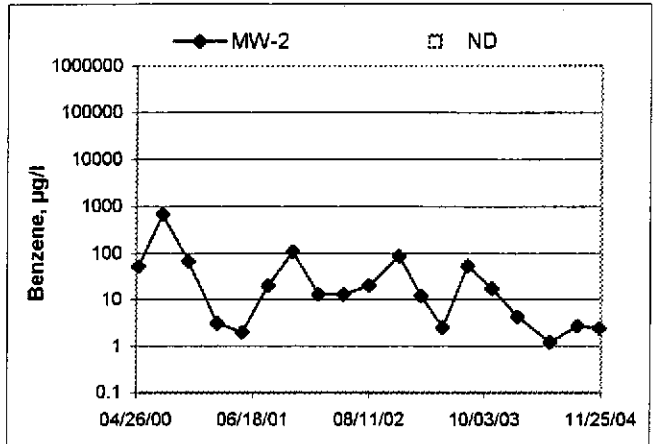
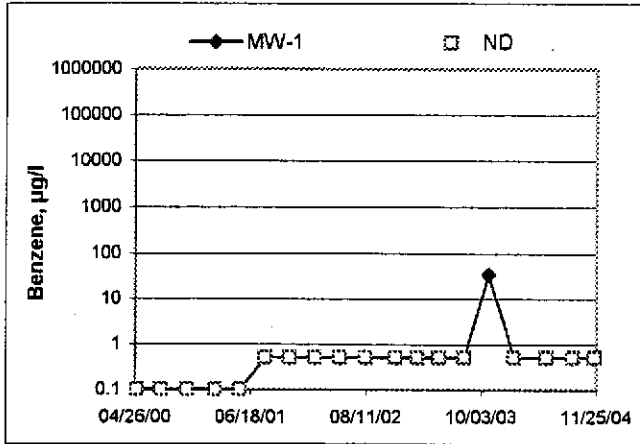
Groundwater Elevations vs. Time
76 Station 4625



Groundwater Elevations vs. Time
76 Station 4625



Benzene Concentrations vs Time 76 Station 4625



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

 Technician: Branden

 Job #/Task #: FA20

 Date: 12/18/04

 Site # 4625

 Project Manager Adrienne Collins

 Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-3		0628	24.86	7.2	∅	∅	1055	2" Sampled
MW-4		0636	24.2	8.26	∅	∅	1000	2" ↓
MW-2		0645	24.97	8.21	∅	∅	1032	2" ↓
MW-1		0657	24.8	6.41	∅	∅	1137	2" ↓
MW-5		0706	24.4	8.54	∅	∅	1215	2" ↓
MW-6		0716	23.4	7.18	∅	∅	1300	2" ↓
MS TW		0724	15.1	7.34	∅	∅	NA	Monitor Only 6"
FIELD DATA COMPLETE		QA/QC		COC		WELL BOX CONDITION SHEETS		
WTT CERTIFICATE		MANIFEST		DRUM INVENTORY		TRAFFIC CONTROL		



GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden Brinson

Site: 4625

Project No.: 4105001

Date: 11/18/04

Well No.: MW-3
 Depth to Water (feet): 7.2
 Total Depth (feet): 24.86
 Water Column (feet): 17.66
 80% Recharge Depth (feet): 10.7

Purge Method: D
 Depth to Product (feet): ∅
 LPH & Water Recovered (gallons): 9
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0825			3	0.61	57.5	6.69		
			6	0.40	57.6	6.58		
	0837		9	0.34	57.8	6.64		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
7.38			9			0855		
Comments:								

Well No.: MW-4
 Depth to Water (feet): 8.26
 Total Depth (feet): 24.2
 Water Column (feet): 15.94
 80% Recharge Depth (feet): 11.4

Purge Method: D
 Depth to Product (feet): ∅
 LPH & Water Recovered (gallons): 9
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
0933			3	0.82	74.1	11.23		
			6	0.81	76.0	11.53		
	0948		9	0.76	66.2	10.4		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
0956			9			1000		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden Brinson

Site: 4625

Project No.: 4105000

Date: 11/18/04

Well No.: MW-5

Purge Method: D

Depth to Water (feet): 8.54

Depth to Product (feet): φ

Total Depth (feet): 24.4

LPH & Water Recovered (gallons): φ

Water Column (feet): 15.86

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.7

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
1144			3	0.85	72.2	10.79		
			6	0.88	74.0	9.68		
	1204		9	0.89	74.4	10.08		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
8.67		9			1215			
Comments:								

Well No.: MW-6

Purge Method: D

Depth to Water (feet): 7.48

Depth to Product (feet): φ

Total Depth (feet): 23.40

LPH & Water Recovered (gallons): φ

Water Column (feet): 15.72

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.8

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
1232			3	0.67	70.3	9.79		
			6	0.51	69.4	9.54		
	1242		9	0.33	67.7	9.81		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
7.75		9			1300			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Branden Brinson

Site: 4625

Project No.: 41050001

Date: 11/18/04

Well No.: MW-2

Purge Method: D

Depth to Water (feet): 9.21

Depth to Product (feet): ∅

Total Depth (feet): 24.92

LPH & Water Recovered (gallons): ∅

Water Column (feet): 16.71

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 11.55

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O
1016			3	0.25	67.7	11.05		
			6	0.35	69.4	9.96		
	1021		9	0.38	69.7	9.17		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
1261		9			1032			
Comments:								

Well No.: MW-1

Purge Method: D

Depth to Water (feet): 6.91

Depth to Product (feet): ∅

Total Depth (feet): 24.80

LPH & Water Recovered (gallons): ∅

Water Column (feet): 17.89

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 10.50

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O
1110			3	0.72	64.2	9.2		
			6	0.76	64.6	8.79		
	1126		9	0.70	64.7	9.65		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
7.01		9			1137			
Comments:								

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/18/2004 11:37	Water	1
MW-2	11/18/2004 10:32	Water	2
MW-3	11/18/2004 08:55	Water	3
MW-4	11/18/2004 10:00	Water	4
MW-5	11/18/2004 12:15	Water	5
MW-6	11/18/2004 13:00	Water	6

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2004-11-0651 - 1
Sampled:	11/18/2004 11:37	Extracted:	11/29/2004 08:20
Matrix:	Water	QC Batch#:	2004/11/29-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/29/2004 08:20	
Benzene	ND	0.50	ug/L	1.00	11/29/2004 08:20	
Toluene	ND	0.50	ug/L	1.00	11/29/2004 08:20	
Ethylbenzene	ND	0.50	ug/L	1.00	11/29/2004 08:20	
Total xylenes	1.4	1.0	ug/L	1.00	11/29/2004 08:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/29/2004 08:20	
Methyl tert-butyl ether (MTBE)	7.2	0.50	ug/L	1.00	11/29/2004 08:20	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/29/2004 08:20	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	1.00	11/29/2004 08:20	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	1.00	11/29/2004 08:20	
1,2-DCA	ND	0.5	ug/L	1.00	11/29/2004 08:20	
EDB	ND	0.5	ug/L	1.00	11/29/2004 08:20	
Ethanol	ND	50	ug/L	1.00	11/29/2004 08:20	
Surrogate(s)						
1,2-Dichloroethane-d4	96.7	73-130	%	1.00	11/29/2004 08:20	
Toluene-d8	108.8	81-114	%	1.00	11/29/2004 08:20	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2004-11-0651 - 2
Sampled:	11/18/2004 10:32	Extracted:	11/29/2004 22:06
Matrix:	Water	QC Batch#:	2004/11/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220	50	ug/L	1.00	11/29/2004 22:06	
Benzene	2.4	0.50	ug/L	1.00	11/29/2004 22:06	
Toluene	ND	0.50	ug/L	1.00	11/29/2004 22:06	
Ethylbenzene	2.1	0.50	ug/L	1.00	11/29/2004 22:06	
Total xylenes	1.7	1.0	ug/L	1.00	11/29/2004 22:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/29/2004 22:06	
Ethanol	ND	50	ug/L	1.00	11/29/2004 22:06	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	11/29/2004 22:06	
Toluene-d8	97.9	81-114	%	1.00	11/29/2004 22:06	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55	Extracted: 11/29/2004 10:09
Matrix: Water	QC Batch#: 2004/11/29-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/29/2004 10:09	
Benzene	ND	0.50	ug/L	1.00	11/29/2004 10:09	
Toluene	ND	0.50	ug/L	1.00	11/29/2004 10:09	
Ethylbenzene	ND	0.50	ug/L	1.00	11/29/2004 10:09	
Total xylenes	ND	1.0	ug/L	1.00	11/29/2004 10:09	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/29/2004 10:09	
Ethanol	ND	50	ug/L	1.00	11/29/2004 10:09	
Surrogate(s)						
1,2-Dichloroethane-d4	99.7	73-130	%	1.00	11/29/2004 10:09	
Toluene-d8	99.0	81-114	%	1.00	11/29/2004 10:09	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2004-11-0651 - 4
Sampled:	11/18/2004 10:00	Extracted:	11/29/2004 10:31
Matrix:	Water	QC Batch#:	2004/11/29-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	11/29/2004 10:31	
Benzene	ND	0.50	ug/L	1.00	11/29/2004 10:31	
Toluene	ND	0.50	ug/L	1.00	11/29/2004 10:31	
Ethylbenzene	ND	0.50	ug/L	1.00	11/29/2004 10:31	
Total xylenes	ND	1.0	ug/L	1.00	11/29/2004 10:31	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/29/2004 10:31	
Ethanol	ND	50	ug/L	1.00	11/29/2004 10:31	
Surrogate(s)						
1,2-Dichloroethane-d4	94.4	73-130	%	1.00	11/29/2004 10:31	
Toluene-d8	96.8	81-114	%	1.00	11/29/2004 10:31	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-5	Lab ID: 2004-11-0651 - 5
Sampled: 11/18/2004 12:15	Extracted: 11/30/2004 16:08
Matrix: Water	QC Batch#: 2004/11/30-1C.64
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	22000	1000	ug/L	20.00	11/30/2004 16:08	
Benzene	1300	10	ug/L	20.00	11/30/2004 16:08	
Toluene	900	10	ug/L	20.00	11/30/2004 16:08	
Ethylbenzene	1100	10	ug/L	20.00	11/30/2004 16:08	
Total xylenes	4600	20	ug/L	20.00	11/30/2004 16:08	
tert-Butyl alcohol (TBA)	140	100	ug/L	20.00	11/30/2004 16:08	
Methyl tert-butyl ether (MTBE)	1100	10	ug/L	20.00	11/30/2004 16:08	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	11/30/2004 16:08	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	11/30/2004 16:08	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	11/30/2004 16:08	
1,2-DCA	ND	10	ug/L	20.00	11/30/2004 16:08	
EDB	ND	10	ug/L	20.00	11/30/2004 16:08	
Ethanol	ND	1000	ug/L	20.00	11/30/2004 16:08	
Surrogate(s)						
1,2-Dichloroethane-d4	98.2	73-130	%	20.00	11/30/2004 16:08	
Toluene-d8	98.1	81-114	%	20.00	11/30/2004 16:08	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-6	Lab ID: 2004-11-0651 - 6
Sampled: 11/18/2004 13:00	Extracted: 12/1/2004 10:07
Matrix: Water	QC Batch#: 2004/12/01-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	660	50	ug/L	1.00	12/01/2004 10:07	
Benzene	92	0.50	ug/L	1.00	12/01/2004 10:07	
Toluene	19	0.50	ug/L	1.00	12/01/2004 10:07	
Ethylbenzene	20	0.50	ug/L	1.00	12/01/2004 10:07	
Total xylenes	80	1.0	ug/L	1.00	12/01/2004 10:07	
tert-Butyl alcohol (TBA)	8.1	5.0	ug/L	1.00	12/01/2004 10:07	
Methyl tert-butyl ether (MTBE)	130	0.50	ug/L	1.00	12/01/2004 10:07	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/01/2004 10:07	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/01/2004 10:07	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/01/2004 10:07	
1,2-DCA	ND	0.50	ug/L	1.00	12/01/2004 10:07	
EDB	ND	0.50	ug/L	1.00	12/01/2004 10:07	
Ethanol	ND	50	ug/L	1.00	12/01/2004 10:07	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	12/01/2004 10:07	
Toluene-d8	92.9	81-114	%	1.00	12/01/2004 10:07	

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Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/29-1B.64-034

Water

Test(s): 8260FAB

QC Batch # 2004/11/29-1B.64

Date Extracted: 11/29/2004 07:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/29/2004 07:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/29/2004 07:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/29/2004 07:34	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/29/2004 07:34	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/29/2004 07:34	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/29/2004 07:34	
1,2-DCA	ND	0.5	ug/L	11/29/2004 07:34	
EDB	ND	0.5	ug/L	11/29/2004 07:34	
Benzene	ND	0.5	ug/L	11/29/2004 07:34	
Toluene	ND	0.5	ug/L	11/29/2004 07:34	
Ethylbenzene	ND	0.5	ug/L	11/29/2004 07:34	
Total xylenes	ND	1.0	ug/L	11/29/2004 07:34	
Ethanol	ND	50	ug/L	11/29/2004 07:34	
Surrogates(s)					
1,2-Dichloroethane-d4	120.6	73-130	%	11/29/2004 07:34	
Toluene-d8	110.6	81-114	%	11/29/2004 07:34	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/29-1B.66-028

Water

Test(s): 8260FAB

QC Batch # 2004/11/29-1B.66

Date Extracted: 11/29/2004 07:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/29/2004 07:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/29/2004 07:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/29/2004 07:28	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/29/2004 07:28	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/29/2004 07:28	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/29/2004 07:28	
1,2-DCA	ND	0.5	ug/L	11/29/2004 07:28	
EDB	ND	0.5	ug/L	11/29/2004 07:28	
Benzene	ND	0.5	ug/L	11/29/2004 07:28	
Toluene	ND	0.5	ug/L	11/29/2004 07:28	
Ethylbenzene	ND	0.5	ug/L	11/29/2004 07:28	
Total xylenes	ND	1.0	ug/L	11/29/2004 07:28	
Ethanol	ND	50	ug/L	11/29/2004 07:28	
Surrogates(s)					
1,2-Dichloroethane-d4	100.2	73-130	%	11/29/2004 07:28	
Toluene-d8	103.0	81-114	%	11/29/2004 07:28	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/29-2B.64-017

Water

Test(s): 8260FAB

QC Batch # 2004/11/29-2B.64

Date Extracted: 11/29/2004 19:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/29/2004 19:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/29/2004 19:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/29/2004 19:17	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/29/2004 19:17	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/29/2004 19:17	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/29/2004 19:17	
1,2-DCA	ND	0.5	ug/L	11/29/2004 19:17	
EDB	ND	0.5	ug/L	11/29/2004 19:17	
Benzene	ND	0.5	ug/L	11/29/2004 19:17	
Toluene	ND	0.5	ug/L	11/29/2004 19:17	
Ethylbenzene	ND	0.5	ug/L	11/29/2004 19:17	
Total xylenes	ND	1.0	ug/L	11/29/2004 19:17	
Ethanol	ND	50	ug/L	11/29/2004 19:17	
Surrogates(s)					
1,2-Dichloroethane-d4	89.4	73-130	%	11/29/2004 19:17	
Toluene-d8	94.2	81-114	%	11/29/2004 19:17	

Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2004/11/30-1C.64-046

Water

Test(s): 8260FAB
QC Batch # 2004/11/30-1C.64
Date Extracted: 11/30/2004 07:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/30/2004 07:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/30/2004 07:46	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/30/2004 07:46	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/30/2004 07:46	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/30/2004 07:46	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/30/2004 07:46	
1,2-DCA	ND	0.5	ug/L	11/30/2004 07:46	
EDB	ND	0.5	ug/L	11/30/2004 07:46	
Benzene	ND	0.5	ug/L	11/30/2004 07:46	
Toluene	ND	0.5	ug/L	11/30/2004 07:46	
Ethylbenzene	ND	0.5	ug/L	11/30/2004 07:46	
Total xylenes	ND	1.0	ug/L	11/30/2004 07:46	
Ethanol	ND	50	ug/L	11/30/2004 07:46	
Surrogates(s)					
1,2-Dichloroethane-d4	91.2	73-130	%	11/30/2004 07:46	
Toluene-d8	94.8	81-114	%	11/30/2004 07:46	

Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/12/01-1A.64-040

Water

Test(s): 8260FAB

QC Batch # 2004/12/01-1A.64

Date Extracted: 12/01/2004 07:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/01/2004 07:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/01/2004 07:40	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/01/2004 07:40	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/01/2004 07:40	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/01/2004 07:40	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/01/2004 07:40	
1,2-DCA	ND	0.5	ug/L	12/01/2004 07:40	
EDB	ND	0.5	ug/L	12/01/2004 07:40	
Benzene	ND	0.5	ug/L	12/01/2004 07:40	
Toluene	ND	0.5	ug/L	12/01/2004 07:40	
Ethylbenzene	ND	0.5	ug/L	12/01/2004 07:40	
Total xylenes	ND	1.0	ug/L	12/01/2004 07:40	
Ethanol	ND	50	ug/L	12/01/2004 07:40	
Surrogates(s)					
1,2-Dichloroethane-d4	92.6	73-130	%	12/01/2004 07:40	
Toluene-d8	97.4	81-114	%	12/01/2004 07:40	

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Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/11/29-1B.64

LCS 2004/11/29-1B.64-011

Extracted: 11/29/2004

Analyzed: 11/29/2004 07:11

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.6		25	98.4			65-165	20		
Benzene	27.4		25	109.6			69-129	20		
Toluene	27.4		25	109.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	539		500	107.8			73-130			
Toluene-d8	548		500	109.6			81-114			

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Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/11/29-1B.66

LCS 2004/11/29-1B.66-006
LCSD

Extracted: 11/29/2004

Analyzed: 11/29/2004 07:06

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.5		25	94.0			65-165	20		
Benzene	24.3		25	97.2			69-129	20		
Toluene	28.7		25	114.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	488		500	97.6			81-114			

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12/02/2004 11:26

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/11/29-2B.64

LCS 2004/11/29-2B.64-055

Extracted: 11/29/2004

Analyzed: 11/29/2004 18:55

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.6		25	86.4			65-165	20		
Benzene	22.1		25	88.4			69-129	20		
Toluene	23.3		25	93.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	438		500	87.6			73-130			
Toluene-d8	475		500	95.0			81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/11/30-1C.64

LCS 2004/11/30-1C.64-024
LCSD

Extracted: 11/30/2004

Analyzed: 11/30/2004 07:24

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3		25	93.2			65-165	20		
Benzene	24.5		25	98.0			69-129	20		
Toluene	24.6		25	98.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445		500	89.0			73-130			
Toluene-d8	464		500	92.8			81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2004/12/01-1A.64

LCS 2004/12/01-1A.64-018

Extracted: 12/01/2004

Analyzed: 12/01/2004 07:18

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.7		25	102.8			65-165	20		
Benzene	25.5		25	102.0			69-129	20		
Toluene	26.6		25	106.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	435		500	87.0			73-130			
Toluene-d8	463		500	92.6			81-114			

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/29-1B.64

MW-1 >> MS

Lab ID: 2004-11-0651 - 001

MS: 2004/11/29-1B.64-005

Extracted: 11/29/2004

Analyzed: 11/29/2004 09:05

Dilution: 1.00

MSD: 2004/11/29-1B.64-027

Extracted: 11/29/2004

Analyzed: 11/29/2004 09:27

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	25.6	25.8	ND	25	102.8	103.2	0.4	69-129	20		
Toluene	26.2	26.6	ND	25	104.8	106.4	1.5	70-130	20		
Methyl tert-butyl ether	33.4	34.4	7.17	25	104.9	137.6	27.0	65-165	20		R3
Surrogate(s)											
1,2-Dichloroethane-d4	549	561		500	109.8	112.2		73-130			
Toluene-d8	551	547		500	110.2	109.4		81-114			

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/29-1B.66

MS/MSD

Lab ID: 2004-11-0552 - 002

MS: 2004/11/29-1B.66-024

Extracted: 11/29/2004

Analyzed: 11/29/2004 12:24

Dilution: 1.00

MSD: 2004/11/29-1B.66-046

Extracted: 11/29/2004

Analyzed: 11/29/2004 12:46

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	34.7	32.8	4.22	25	121.9	131.2	7.3	69-129	20		M4
Toluene	35.0	33.6	0.89	25	136.4	134.4	1.5	70-130	20	M4	M4
Methyl tert-butyl ether	41.6	40.6	9.37	25	128.9	162.4	23.0	65-165	20		M4
Surrogate(s)											
1,2-Dichloroethane-d4	518	498		500	103.6	99.6		73-130			
Toluene-d8	523	514		500	104.6	102.8		81-114			

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Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/29-2B.64

MS/MSD

Lab ID: 2004-11-0625 - 010

MS: 2004/11/29-2B.64-051

Extracted: 11/29/2004

Analyzed: 11/29/2004 22:51

Dilution: 1.00

MSD: 2004/11/29-2B.64-014

Extracted: 11/29/2004

Analyzed: 11/29/2004 23:14

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.8	25.1	2.83	25	107.9	89.1	19.1	65-165	20		
Benzene	26.6	23.6	1.34	25	101.0	89.0	12.6	69-129	20		
Toluene	28.9	25.1	2.57	25	105.3	90.1	15.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	491	476		500	98.2	95.2		73-130			
Toluene-d8	486	483		500	97.2	96.6		81-114			

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/30-1C.64

MS/MSD

Lab ID: 2004-11-0598 - 007

MS: 2004/11/30-1C.64-025

Extracted: 11/30/2004

Analyzed: 11/30/2004 12:25

Dilution: 1.00

MSD: 2004/11/30-1C.64-047

Extracted: 11/30/2004

Analyzed: 11/30/2004 12:47

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	23.6	25.1	ND	25	94.4	100.4	6.2	69-129	20		
Toluene	25.5	25.8	ND	25	102.0	103.2	1.2	70-130	20		
Methyl tert-butyl ether	24.5	26.3	ND	25	98.0	105.2	7.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	450	457		500	90.0	91.4		73-130			
Toluene-d8	502	482		500	100.4	96.4		81-114			

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Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/12/01-1A.64

MS/MSD

Lab ID: 2004-11-0744 - 002

MS: 2004/12/01-1A.64-036

Extracted: 12/01/2004

Analyzed: 12/01/2004 11:36

Dilution: 1.00

MSD: 2004/12/01-1A.64-059

Extracted: 12/01/2004

Analyzed: 12/01/2004 11:59

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.5	24.9	0.543	25	95.8	97.4	1.7	65-165	20		
Benzene	22.8	24.2	ND	25	91.2	96.8	6.0	69-129	20		
Toluene	24.1	25.2	ND	25	96.4	100.8	4.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	460	464		500	91.9	92.8		73-130			
Toluene-d8	478	444		500	95.5	88.8		81-114			

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Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

R3

RPD exceeds limits due to matrix interf.; % recovs. within limits.

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Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/18/2004 08:55	Water	3

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11/24/2004 12:42

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Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2004-11-0651 - 3
Sampled:	11/18/2004 08:55	Extracted:	11/23/2004 12:51
Matrix:	Water	QC Batch#:	2004/11/23-01.07

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	11/23/2004 12:51	
Acetone	ND	50	ug/L	1.00	11/23/2004 12:51	
Benzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Bromodichloromethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Bromobenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Bromochloromethane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Bromoform	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Bromomethane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
2-Butanone(MEK)	ND	50	ug/L	1.00	11/23/2004 12:51	
n-Butylbenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
sec-Butylbenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
tert-Butylbenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Carbon disulfide	ND	5.0	ug/L	1.00	11/23/2004 12:51	
Carbon tetrachloride	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Chlorobenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Chloroethane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Chloroform	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Chloromethane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
2-Chlorotoluene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
4-Chlorotoluene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Dibromochloromethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	

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Volatile Organic Compounds by 8260B (Low Level)

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Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55	Extracted: 11/23/2004 12:51
Matrix: Water	QC Batch#: 2004/11/23-01.07

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Ethylbenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
2-Hexanone	ND	50	ug/L	1.00	11/23/2004 12:51	
Isopropylbenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Methylene chloride	ND	5.0	ug/L	1.00	11/23/2004 12:51	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	11/23/2004 12:51	
Naphthalene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
n-Propylbenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Styrene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Tetrachloroethene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Toluene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	11/23/2004 12:51	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Trichloroethene	ND	0.50	ug/L	1.00	11/23/2004 12:51	

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Volatile Organic Compounds by 8260B (Low Level)

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Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55	Extracted: 11/23/2004 12:51
Matrix: Water	QC Batch#: 2004/11/23-01.07

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Vinyl acetate	ND	25	ug/L	1.00	11/23/2004 12:51	
Vinyl chloride	ND	0.50	ug/L	1.00	11/23/2004 12:51	
Total xylenes	ND	1.0	ug/L	1.00	11/23/2004 12:51	
Surrogate(s)						
4-Bromofluorobenzene	101.5	79-118	%	1.00	11/23/2004 12:51	
1,2-Dichloroethane-d4	104.6	78-117	%	1.00	11/23/2004 12:51	
Toluene-d8	105.3	77-121	%	1.00	11/23/2004 12:51	

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11/24/2004 12:42

Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/23-01.07-003

Test(s): 8260B

QC Batch # 2004/11/23-01.07

Date Extracted: 11/23/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	11/23/2004 07:52	
Acetone	ND	50	ug/L	11/23/2004 07:52	
Benzene	ND	0.5	ug/L	11/23/2004 07:52	
Bromodichloromethane	ND	0.5	ug/L	11/23/2004 07:52	
Bromobenzene	ND	1.0	ug/L	11/23/2004 07:52	
Bromochloromethane	ND	1.0	ug/L	11/23/2004 07:52	
Bromoform	ND	0.5	ug/L	11/23/2004 07:52	
Bromomethane	ND	1.0	ug/L	11/23/2004 07:52	
2-Butanone(MEK)	ND	50	ug/L	11/23/2004 07:52	
n-Butylbenzene	ND	1.0	ug/L	11/23/2004 07:52	
sec-Butylbenzene	ND	1.0	ug/L	11/23/2004 07:52	
tert-Butylbenzene	ND	1.0	ug/L	11/23/2004 07:52	
Carbon disulfide	ND	5.0	ug/L	11/23/2004 07:52	
Carbon tetrachloride	ND	0.5	ug/L	11/23/2004 07:52	
Chlorobenzene	ND	0.5	ug/L	11/23/2004 07:52	
Chloroethane	ND	1.0	ug/L	11/23/2004 07:52	
Chloroform	ND	1.0	ug/L	11/23/2004 07:52	
Chloromethane	ND	1.0	ug/L	11/23/2004 07:52	
2-Chlorotoluene	ND	0.5	ug/L	11/23/2004 07:52	
4-Chlorotoluene	ND	0.5	ug/L	11/23/2004 07:52	
Dibromochloromethane	ND	0.5	ug/L	11/23/2004 07:52	
1,2-Dichlorobenzene	ND	0.5	ug/L	11/23/2004 07:52	
1,3-Dichlorobenzene	ND	0.5	ug/L	11/23/2004 07:52	
1,4-Dichlorobenzene	ND	0.5	ug/L	11/23/2004 07:52	
1,3-Dichloropropane	ND	1.0	ug/L	11/23/2004 07:52	
2,2-Dichloropropane	ND	0.5	ug/L	11/23/2004 07:52	
1,1-Dichloropropene	ND	0.5	ug/L	11/23/2004 07:52	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	11/23/2004 07:52	
1,2-Dibromoethane	ND	0.5	ug/L	11/23/2004 07:52	

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Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/23-01.07-003

Water

Test(s): 8260B

QC Batch # 2004/11/23-01.07

Date Extracted: 11/23/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Dibromomethane	ND	0.5	ug/L	11/23/2004 07:52	
Dichlorodifluoromethane	ND	0.5	ug/L	11/23/2004 07:52	
1,1-Dichloroethane	ND	0.5	ug/L	11/23/2004 07:52	
1,2-Dichloroethane	ND	0.5	ug/L	11/23/2004 07:52	
1,1-Dichloroethene	ND	0.5	ug/L	11/23/2004 07:52	
cis-1,2-Dichloroethene	ND	0.5	ug/L	11/23/2004 07:52	
trans-1,2-Dichloroethene	ND	0.5	ug/L	11/23/2004 07:52	
1,2-Dichloropropane	ND	0.5	ug/L	11/23/2004 07:52	
cis-1,3-Dichloropropene	ND	0.5	ug/L	11/23/2004 07:52	
trans-1,3-Dichloropropene	ND	0.5	ug/L	11/23/2004 07:52	
Ethylbenzene	ND	0.5	ug/L	11/23/2004 07:52	
Hexachlorobutadiene	ND	1.0	ug/L	11/23/2004 07:52	
2-Hexanone	ND	50	ug/L	11/23/2004 07:52	
Isopropylbenzene	ND	0.5	ug/L	11/23/2004 07:52	
p-Isopropyltoluene	ND	1.0	ug/L	11/23/2004 07:52	
Methylene chloride	ND	5.0	ug/L	11/23/2004 07:52	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	11/23/2004 07:52	
Naphthalene	ND	1.0	ug/L	11/23/2004 07:52	
n-Propylbenzene	ND	1.0	ug/L	11/23/2004 07:52	
Styrene	ND	0.5	ug/L	11/23/2004 07:52	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	11/23/2004 07:52	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	11/23/2004 07:52	
Tetrachloroethene	ND	0.5	ug/L	11/23/2004 07:52	
Toluene	ND	0.5	ug/L	11/23/2004 07:52	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	11/23/2004 07:52	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	11/23/2004 07:52	
1,1,1-Trichloroethane	ND	0.5	ug/L	11/23/2004 07:52	
1,1,2-Trichloroethane	ND	0.5	ug/L	11/23/2004 07:52	
Trichloroethene	ND	0.5	ug/L	11/23/2004 07:52	

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Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/23-01.07-003

Water

Test(s): 8260B

QC Batch # 2004/11/23-01.07

Date Extracted: 11/23/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	11/23/2004 07:52	
Trichlorotrifluoroethane	ND	0.5	ug/L	11/23/2004 07:52	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	11/23/2004 07:52	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	11/23/2004 07:52	
Vinyl acetate	ND	25	ug/L	11/23/2004 07:52	
Vinyl chloride	ND	0.5	ug/L	11/23/2004 07:52	
Total xylenes	ND	1.0	ug/L	11/23/2004 07:52	
Surrogates(s)					
4-Bromofluorobenzene	102.6	79-118	%	11/23/2004 07:52	
1,2-Dichloroethane-d4	103.0	78-117	%	11/23/2004 07:52	
Toluene-d8	104.2	77-121	%	11/23/2004 07:52	

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Volatile Organic Compounds by 8260B (Low Level)

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Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/23-01.07

LCS 2004/11/23-01.07-002

Extracted: 11/23/2004

Analyzed: 11/23/2004 07:21

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	18.6		20.0	93.0			69-129	20		
Chlorobenzene	22.0		20.0	110.0			61-121	20		
1,1-Dichloroethene	15.6		20.0	78.0			65-125	20		
Toluene	20.4		20.0	102.0			70-130	20		
Trichloroethene	19.1		20.0	95.5			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	509		500	101.8			79-118			
1,2-Dichloroethane-d4	503		500	100.6			78-117			
Toluene-d8	515		500	103.0			77-121			

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Volatile Organic Compounds by 8260B (Low Level)

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/23-01.07

MS/MSD

Lab ID: 2004-11-0594 - 001

MS: 2004/11/23-01.07-010

Extracted: 11/23/2004

Analyzed: 11/23/2004 11:49

Dilution: 1.00

MSD: 2004/11/23-01.07-011

Extracted: 11/23/2004

Analyzed: 11/23/2004 12:20

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	19.7	19.7	ND	20.0	98.5	98.5	0.0	69-129	20		
Chlorobenzene	22.5	22.9	ND	20.0	112.5	114.5	1.8	61-121	20		
1,1-Dichloroethene	15.5	16.3	ND	20.0	77.5	81.5	5.0	65-125	20		
Toluene	21.2	21.5	ND	20.0	106.0	107.5	1.4	70-130	20		
Trichloroethene	20.0	20.1	ND	20.0	100.0	100.5	0.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	503	517		500	100.7	103.3		79-118			
1,2-Dichloroethane-d4	513	528		500	102.7	105.6		78-117			
Toluene-d8	518	516		500	103.7	103.2		77-121			

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Metals

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Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/18/2004 08:55	Water	3

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-3	Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55	Extracted: 11/22/2004 17:04
Matrix: Water	QC Batch#: 2004/11/22-08.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chromium	ND	0.0050	mg/L	1.00	11/23/2004 11:13	

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3010A

Method Blank

MB: 2004/11/22-08.15-011

Water

Test(s): 6010B

QC Batch # 2004/11/22-08.15

Date Extracted: 11/22/2004 17:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Chromium	ND	0.0050	mg/L	11/23/2004 08:49	

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11/23/2004 18:39

Metals

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625-003

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike

Water

QC Batch # 2004/11/22-08.15

LCS 2004/11/22-08.15-012

Extracted: 11/22/2004

Analyzed: 11/23/2004 08:52

LCSD 2004/11/22-08.15-013

Extracted: 11/22/2004

Analyzed: 11/23/2004 08:55

Compound	Conc. mg/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Chromium	0.488	0.495	0.500	97.6	99.0	1.4	80-120	20			

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11/23/2004 18:39

Page 4 of 4

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PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: E4K240394 STL San Francisco PAGE 1
2004-11-0651 Date Reported: 12/01/04
Project Number: Conoco Phillips #4625-003

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL</u>	<u>METHOD</u>
------------------	---------------	------------------	--------------	--------------	-------------------	---------------

Client Sample ID: MW-3

Sample #: 001 Date Sampled: 11/18/04 08:55 Date Received: 11/23/04 Matrix: WATER

Inorganic Analysis						Reviewed
N-Hexane Extractable Material (1664A)	ND		5.0	mg/L	CFR136A 1664A HEM	

Diesel

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/18/2004 08:55	Water	3

Diesel

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-3	Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55	Extracted: 11/22/2004 17:46
Matrix: Water	QC Batch#: 2004/11/22-7B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	12/06/2004 17:07	
<i>Surrogate(s)</i>						
o-Terphenyl	88.6	60-130	%	1.00	12/06/2004 17:07	

Diesel

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2004/11/22-7B.10-001

Water

Test(s): 8015M

QC Batch # 2004/11/22-7B.10

Date Extracted: 11/22/2004 15:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/23/2004 19:45	
Surrogates(s) o-Terphenyl	91.9	60-130	%	11/23/2004 19:45	

Diesel

TRC Alton Geoscience- Irvine

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Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2004/11/22-7B.10

LCS 2004/11/22-7B.10-002

Extracted: 11/22/2004

Analyzed: 11/23/2004 20:12

LCSD 2004/11/22-7B.10-003

Extracted: 11/22/2004

Analyzed: 11/23/2004 20:39

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	837	815	1000	83.7	81.5	2.7	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	18.2	18.4	20.0	91.1	92.2		60-130			

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12/09/2004 12:01

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	11/18/2004 08:55	Water	3

Severn Trent Laboratories, Inc.

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12/06/2004 18:10

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Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2004-11-0651 - 3
Sampled:	11/18/2004 08:55	Extracted:	11/22/2004 09:22
Matrix:	Water	QC Batch#:	2004/11/22-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2-Chlorophenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Benzyl alcohol	ND	5.0	ug/L	1.00	12/03/2004 22:02	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2-Methylphenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	12/03/2004 22:02	
4-Methylphenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Hexachloroethane	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Nitrobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Isophorone	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2-Nitrophenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	12/03/2004 22:02	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Naphthalene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
4-Chloroaniline	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	12/03/2004 22:02	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	12/03/2004 22:02	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2-Nitroaniline	ND	10	ug/L	1.00	12/03/2004 22:02	

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

12/06/2004 18:10

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	MW-3	Lab ID:	2004-11-0651 - 3
Sampled:	11/18/2004 08:55	Extracted:	11/22/2004 09:22
Matrix:	Water	QC Batch#:	2004/11/22-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Acenaphthylene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
3-Nitroaniline	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Acenaphthene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2,4-Dinitrophenol	ND	10	ug/L	1.00	12/03/2004 22:02	
4-Nitrophenol	ND	10	ug/L	1.00	12/03/2004 22:02	
Dibenzofuran	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Diethyl phthalate	ND	5.0	ug/L	1.00	12/03/2004 22:02	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Fluorene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
4-Nitroaniline	ND	10	ug/L	1.00	12/03/2004 22:02	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	12/03/2004 22:02	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	12/03/2004 22:02	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Hexachlorobenzene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Pentachlorophenol	ND	10	ug/L	1.00	12/03/2004 22:02	
Phenanthrene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Anthracene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Fluoranthene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Pyrene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	12/03/2004 22:02	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	12/03/2004 22:02	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	12/03/2004 22:02	
Chrysene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	12/03/2004 22:02	

Severn Trent Laboratories, Inc.

12/06/2004 18:10

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

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111
Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Prep(s): 3510C/8270C Test(s): 8270C
Sample ID: MW-3 Lab ID: 2004-11-0651 - 3
Sampled: 11/18/2004 08:55 Extracted: 11/22/2004 09:22
Matrix: Water QC Batch#: 2004/11/22-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	12/03/2004 22:02	
Benzoic acid	ND	10	ug/L	1.00	12/03/2004 22:02	
Surrogate(s)						
Nitrobenzene-d5	66.4	35-114	%	1.00	12/03/2004 22:02	
2-Fluorobiphenyl	55.4	43-116	%	1.00	12/03/2004 22:02	
p-Terphenyl-d14	64.5	33-141	%	1.00	12/03/2004 22:02	
2-Fluorophenol	28.8	25-100	%	1.00	12/03/2004 22:02	
Phenol-d5	16.3	10-110	%	1.00	12/03/2004 22:02	
2,4,6-Tribromophenol	47.8	10-123	%	1.00	12/03/2004 22:02	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2004/11/22-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/11/22-01.11

Date Extracted: 11/22/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	11/27/2004 15:05	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	11/27/2004 15:05	
2-Chlorophenol	ND	2.0	ug/L	11/27/2004 15:05	
1,3-Dichlorobenzene	ND	2.0	ug/L	11/27/2004 15:05	
1,4-Dichlorobenzene	ND	2.0	ug/L	11/27/2004 15:05	
Benzyl alcohol	ND	5.0	ug/L	11/27/2004 15:05	
1,2-Dichlorobenzene	ND	2.0	ug/L	11/27/2004 15:05	
2-Methylphenol	ND	2.0	ug/L	11/27/2004 15:05	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	11/27/2004 15:05	
4-Methylphenol	ND	2.0	ug/L	11/27/2004 15:05	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	11/27/2004 15:05	
Hexachloroethane	ND	2.0	ug/L	11/27/2004 15:05	
Nitrobenzene	ND	2.0	ug/L	11/27/2004 15:05	
Isophorone	ND	2.0	ug/L	11/27/2004 15:05	
2-Nitrophenol	ND	2.0	ug/L	11/27/2004 15:05	
2,4-Dimethylphenol	ND	2.0	ug/L	11/27/2004 15:05	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	11/27/2004 15:05	
2,4-Dichlorophenol	ND	2.0	ug/L	11/27/2004 15:05	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	11/27/2004 15:05	
Naphthalene	ND	2.0	ug/L	11/27/2004 15:05	
4-Chloroaniline	ND	2.0	ug/L	11/27/2004 15:05	
Hexachlorobutadiene	ND	2.0	ug/L	11/27/2004 15:05	
4-Chloro-3-methylphenol	ND	5.0	ug/L	11/27/2004 15:05	
2-Methylnaphthalene	ND	2.0	ug/L	11/27/2004 15:05	
Hexachlorocyclopentadiene	ND	5.0	ug/L	11/27/2004 15:05	
2,4,6-Trichlorophenol	ND	2.0	ug/L	11/27/2004 15:05	
2,4,5-Trichlorophenol	ND	2.0	ug/L	11/27/2004 15:05	
2-Chloronaphthalene	ND	2.0	ug/L	11/27/2004 15:05	
2-Nitroaniline	ND	10	ug/L	11/27/2004 15:05	

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

12/06/2004 18:10

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2004/11/22-01.11-001

Water

Test(s): 8270C

QC Batch # 2004/11/22-01.11

Date Extracted: 11/22/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	11/27/2004 15:05	
Acenaphthylene	ND	2.0	ug/L	11/27/2004 15:05	
3-Nitroaniline	ND	2.0	ug/L	11/27/2004 15:05	
Acenaphthene	ND	2.0	ug/L	11/27/2004 15:05	
2,4-Dinitrophenol	ND	10	ug/L	11/27/2004 15:05	
4-Nitrophenol	ND	10	ug/L	11/27/2004 15:05	
Dibenzofuran	ND	2.0	ug/L	11/27/2004 15:05	
2,4-Dinitrotoluene	ND	2.0	ug/L	11/27/2004 15:05	
2,6-Dinitrotoluene	ND	5.0	ug/L	11/27/2004 15:05	
Diethyl phthalate	ND	5.0	ug/L	11/27/2004 15:05	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	11/27/2004 15:05	
Fluorene	ND	2.0	ug/L	11/27/2004 15:05	
4-Nitroaniline	ND	10	ug/L	11/27/2004 15:05	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	11/27/2004 15:05	
N-Nitrosodiphenylamine	ND	2.0	ug/L	11/27/2004 15:05	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	11/27/2004 15:05	
Hexachlorobenzene	ND	2.0	ug/L	11/27/2004 15:05	
Pentachlorophenol	ND	10	ug/L	11/27/2004 15:05	
Phenanthrene	ND	2.0	ug/L	11/27/2004 15:05	
Anthracene	ND	2.0	ug/L	11/27/2004 15:05	
Di-n-butyl phthalate	ND	5.0	ug/L	11/27/2004 15:05	
Fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Butyl benzyl phthalate	ND	5.0	ug/L	11/27/2004 15:05	
3,3-Dichlorobenzidine	ND	5.0	ug/L	11/27/2004 15:05	
Benzo(a)anthracene	ND	2.0	ug/L	11/27/2004 15:05	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	11/27/2004 15:05	
Chrysene	ND	2.0	ug/L	11/27/2004 15:05	
Di-n-octyl phthalate	ND	5.0	ug/L	11/27/2004 15:05	

Severn Trent Laboratories, Inc.

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12/06/2004 18:10

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Method Blank

MB: 2004/11/22-01.11-001

Water

Test(s): 8270C

QC Batch # 2004/11/22-01.11

Date Extracted: 11/22/2004 09:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(k)fluoranthene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(a)pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	11/27/2004 15:05	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	11/27/2004 15:05	
Benzo(g,h,i)perylene	ND	2.0	ug/L	11/27/2004 15:05	
Benzoic acid	ND	10	ug/L	11/27/2004 15:05	
Surrogates(s)					
Nitrobenzene-d5	55.0	35-114	%	11/27/2004 15:05	
2-Fluorobiphenyl	53.5	43-116	%	11/27/2004 15:05	
p-Terphenyl-d14	56.2	33-141	%	11/27/2004 15:05	
2-Fluorophenol	35.0	25-100	%	11/27/2004 15:05	
Phenol-d5	23.4	10-110	%	11/27/2004 15:05	
2,4,6-Tribromophenol	56.1	10-123	%	11/27/2004 15:05	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4625

Received: 11/19/2004 11:38

Site: 3070 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike

Water

QC Batch # 2004/11/22-01.11

LCS 2004/11/22-01.11-002

Extracted: 11/22/2004

Analyzed: 11/27/2004 15:33

LCSD 2004/11/22-01.11-003

Extracted: 11/22/2004

Analyzed: 11/27/2004 16:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Phenol	13.7	14.9	60.0	22.8	24.8	8.4	12-89	35		
2-Chlorophenol	30.6	34.4	60.0	51.0	57.3	11.6	23-134	25		
1,4-Dichlorobenzene	14.6	16.4	30.0	48.7	54.7	11.6	36-97	30		
N-Nitroso-di-n-propylamine	18.3	20.3	30.0	61.0	67.7	10.4	10-130	34		
1,2,4-Trichlorobenzene	14.4	16.2	30.0	48.0	54.0	11.8	44-142	35		
4-Chloro-3-methylphenol	35.6	38.1	60.0	59.3	63.5	6.8	22-147	31		
Acenaphthene	17.3	19.8	30.0	57.7	66.0	13.4	56-118	30		
4-Nitrophenol	24.6	24.4	60.0	41.0	40.7	0.7	1-132	35		
2,4-Dinitrotoluene	20.3	21.4	30.0	67.7	71.3	5.2	39-139	35		
Pentachlorophenol	30.9	28.9	60.0	51.5	48.2	6.6	45-125	35		
Pyrene	16.9	16.0	30.0	56.3	53.3	5.5	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	13.5	14.9	25	54.0	59.6		35-114			
2-Fluorobiphenyl	14.0	16.2	25	56.0	64.8		43-116			
p-Terphenyl-d14	14.9	13.7	25	59.6	54.6		33-141			
2-Fluorophenol	16.4	18.2	50	32.8	36.3		25-100			
Phenol-d5	11.3	12.4	50	22.6	24.9		10-110			
2,4,6-Tribromophenol	32.5	33.4	50	65.0	66.8		10-123			

Sewern Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

12/06/2004 18:10

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

December 7, 2004

STL LOT NUMBER: E4K240394

Dimple Sharma
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Ms. Sharma,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on November 24, 2004. This sample is associated with your 2004-11-0651 project.

The preliminary results were sent via facsimile on December 1, 2004.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number is 01118CA / E87652.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains **000018** pages.

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

CASE NARRATIVE

All applicable quality control procedures met method-specified acceptance criteria except as noted below. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. Any matrix related anomalies are footnoted within the report.

Details:

In the 1664A HEM analysis, the Matrix Spike (MS) recovery of 39% was out of criteria (78 – 114 %). The Laboratory Control Spike (LCS) recovery was in criteria. The LCS controls the QC batch.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,



Jesse Bacwaden
Project Manager

CC: Project File

BAK240394

Date Shipped: 11/22/2004



STL

Chain of Custody

2004-11-0651 - 1

From: STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756

To: STL Los Angeles - Sub contract 1721 South Grand Avenue Santa Ana, CA 92705

Project Manager: Dimple Sharma Phone: (925) 484-1919 Ext: Fax: (925) 484-1096 Email: dsharma@stl-inc.com

Phone: (714) 258-8610 Ext: Fax: (714) 258-0921 Contact: Sample Control Phone: (714) 258-8610 Ext:

CL Submission #: 2004-11-0651 CL PO #:

Project #: 41050001FA20 Project Name: Conoco Phillips #4625-003

Table with columns: Client Sample ID, Analysis, CL#, Sampled, Matrix, Method, TAT. Row 1: MW-3, Oil & Grease (Total) by EPA 1664, 3, 11/18/2004 8:55:00AM, Water, 1664ATOTAL, 5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1. Signature: [Signature], Time: 15:00, Printed Name: Bryan Thomas, Date: 11/22/04, Company: STL-SF

RELINQUISHED BY: 2. Signature: _____, Time: _____, Printed Name: _____, Date: _____, Company: _____

RELINQUISHED BY: 3. Signature: _____, Time: _____, Printed Name: _____, Date: _____, Company: _____

RECEIVED BY: 1. Signature: [Signature], Time: 15:00, Printed Name: [Signature], Date: 11/22/04, Company: STL LA

RECEIVED BY: 2. Signature: _____, Time: _____, Printed Name: _____, Date: _____, Company: _____

RECEIVED BY: 3. Signature: _____, Time: _____, Printed Name: _____, Date: _____, Company: _____

000003

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST

Date: 11/24/04

LIMS Lot #: BZIK 240394

Quote #: 6043

Client Name: SM - SP

Project: _____

Received by: MS

Date/Time Received: 11/24/04 @ 10:00

Delivered by: Client STL Airborne Fed Ex UPS Other _____

Initial / Date

Custody Seal Status Cooler: Intact Broken None MS/24/04

Custody Seal Status Samples: Intact Broken None _____

Custody Seal #(s): _____ No Seal # _____

Sampler Signature on COC Yes No N/A..... _____

IR Gun # A Correction Factor -0.2°C IR passed daily verification Yes No _____

Temperature - BLANK _____ °C -0.2°C CF = _____ °C _____

Temperature - COOLER (6.2°C 6.1°C 6.1°C _____ °C) = 6.1 avg °C -0.2°C CF = 5.9°C..... 11/24/04

Samples outside temperature criteria but received within 6 hours of final sampling Yes N/A..... MS/24/04

Sample Container(s): STL-LA Client _____

One COC/Multiple coolers: Yes - # coolers _____ All within temp criteria Yes No N/A..... _____

One or more coolers with an anomaly: Yes - (fill out PRC for each) N/A..... _____

Samples: Intact Broken Other _____ _____

pH measured: Yes Anomaly (if checked, notify lab and file NCM) N/A..... _____

Anomalies: No Yes - complete CUR and Create NCM NCM # _____ _____

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. Yes N/A..... _____

Labeled by: MS Labeling checked MS _____

Turn Around Time: RUSH-24HR RUSH-48HR RUSH-72HR NORMAL _____

Short-Hold Notification: pH Wet Chem Metals (Filter/Pres) Encore >1/2 HT expired... _____

Outside Analysis(es) (Test/Lab/Date Sent Out): _____

***** LEAVE NO BLANK SPACES : USE N/A *****

Headspace Anomaly							
Lab ID	Container(s) #	Headspace		Lab ID	Container(s) #	Headspace	
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm
		<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm			<input type="checkbox"/> > 5mm	<input type="checkbox"/> < 5mm

N/A MS/24/04

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 2004-11-0651-1

Conoco Phillips #4625-003

Lot #: E4K240394

Dimple Sharma

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Jesse Bacwaden
Project Manager

December 1, 2004

EXECUTIVE SUMMARY - Detection Highlights

E4K240394

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

E4K240394

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	SW846 3535

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SAMPLE SUMMARY

E4K240394

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
GXT6Q	001	MW-3	11/18/04	08:55

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: MW-3

General Chemistry

Lot-Sample #....: E4K240394-001 Work Order #....: GXT6Q Matrix.....: WG
Date Sampled....: 11/18/04 08:55 Date Received...: 11/23/04 10:00

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/30/04	4335470

Dilution Factor: 1 Analysis Time..: 13:30 Analyst ID.....: 999995
Instrument ID...: W15 MS Run #.....: 4335323

SEVERN
TRENT

STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E4K240394

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WG	CFR136A 1664A HEM		4335470	4335323

METHOD BLANK REPORT

General Chemistry

Client Lot #....: E4K240394

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
n-Hexane Extractable Material	ND	5.0	mg/L	CFR136A 1664A HEM	11/30/04	4335470
		Dilution Factor: 1				
		Analysis Time...: 13:30		Analyst ID.....: 999995	Instrument ID...: W15	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: E4K240394

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	84	(78 - 114)	CFR136A 1664A HEM	11/30/04	4335470
		Dilution Factor: 1	Instrument ID...: W15	Analysis Time...: 13:30	Analyst ID.....: 999995
		Work Order #: GX1GM1AC LCS Lot-Sample#: E4K300000-470			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: E4K240394

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	40.1	33.7	mg/L	84	CFR136A 1664A HEM	11/30/04	4335470
Work Order #: GX1GM1AC LCS Lot-Sample#: E4K300000-470							
		Dilution Factor: 1		Analysis Time..: 13:30		Analyst ID.....: 999995	
		Instrument ID..: W15					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: E4K240394

Matrix.....: WATER

Date Sampled...: 11/23/04 13:00 Date Received...: 11/23/04 16:05

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
n-Hexane Extractable Material	39 N	(78 - 114)	CFR136A 1664A HEM	11/30/04	E4K240191-001 4335470
		Dilution Factor: 1		Analysis Time...: 13:30	Instrument ID...: W15
		Analyst ID.....: 999995			
		MS Run #.....: 4335323			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E4K240394

Matrix.....: WATER

Date Sampled...: 11/23/04 13:00 Date Received...: 11/23/04 16:05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
n-Hexane Extractable Material	27.3	45.3	44.9	N mg/L	39	CFR136A 1664A	11/30/04	4335470
			Work Order #...: GXRA51AR		MS Lot-Sample #: E4K240191-001			
			Dilution Factor: 1		Analysis Time...: 13:30		Instrument ID...: W15	
			Analyst ID.....: 999995					
			MS Run #.....: 4335323					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

STL-San Francisco

ConocoPhillips Chain Of Custody Record

958685 ^{sum}

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

2004-11-0651

ConocoPhillips Work Order Number

1285 TR 4500

ConocoPhillips Cost Object

DATE: 11/18/04

PAGE: 1 of 1

SAMPLING COMPANY: TRC		Valid Value ID:	CONOCOPHILLIPS SITE NUMBER 4625-603	GLOBAL ID NO.: T0600102156
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 3070 Fruitvale Ave Oakland		CONOCOPHILLIPS SITE MANAGER: Thomas Noel
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC	PHONE NO.: 949-341-7408	E-MAIL: pthomson@trcsolutions.com
TELEPHONE: 949-341-7440	FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com	LAB USE ONLY	
SAMPLER NAME(S) (Print): Brandon Binson		CONSULTANT PROJECT NUMBER 41050001/FA20		

TURNAROUND TIME (CALENDAR DAYS):
 14 DAYS 7 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED
Run 8 OXYS by 8260 on all 8260 MTBE hits

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING		MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MTBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MTBE	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> CLP	TPH by 8260B	BTEX/MTBE by 8260B	Ethanol by 8260B	8 OXYS by 8260B	TPH by 8015	TOC	VOLs by 8240	SV OC's by 8270	Total Chromium	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes MW-3 number preserved 3 VOCs w/ HCl 150ml amber cap. w/ HNO3	TEMPERATURE ON RECEIPT °C 6	
		DATE	TIME																						
	MW-1	11/8	1137	GW	3																			3 VOCs w/ HCl	
	MW-2		1032		↓																				
	MW-3		0855		1															X	X	+	+	+	
	MW-4		1000		3																				
	MW-5		1215		↓																				
	MW-6		1300		↓																				

Relinquished by: (Signature) Brandon Binson	Received by: (Signature) Netr.	Date: 11/18/04	Time: 14:55
Relinquished by: (Signature) 11/31	Received by: (Signature) Mod	Date: 11/19/04	Time: 0931
Relinquished by: (Signature) 11/19/04	Received by: (Signature) Jean Muller	Date: 11-19-04	Time: 1138

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc. to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.