ConocoPhillips
76 Broadway
Sacramento, California 95818

January 26, 2007

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
Quarterly Report
Fourth Quarter – 2006
76 Service Station #1871
96 MacArthur Boulevard
Oakland, CA

Dear Mr. Hwang:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment

1590 Solano Way
#A
Concord, CA 94520

925.688.1200 PHONE
925.688.0388 FAX

www.TRCsolutions.com

January 26, 2007

TRC Project No. 42016107

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

RE: Quarterly Status Report - Fourth Quarter 2006
76 Service Station #1871, 96 MacArthur Boulevard, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2006 Status Report for the subject site. The site is an operating service station located on the north corner of the intersection of MacArthur Boulevard and Harrison Street in Oakland, California.

PREVIOUS ASSESSMENTS

May 1992: Roux Associates (Roux) performed a dispenser and product piping modification project.

October 1992: Roux installed three 4-inch diameter groundwater monitoring wells onsite.

January 1993: Quarterly groundwater sampling and monitoring began.

August 1994: A 280-gallon single-wall steel waste oil underground storage tank (UST) was replaced with a 550-gallon double-wall fiberglass UST. Conformation sampling was performed.

February 1996: The Alameda County Health Care Service Agency (ACHCSA) approved Unocal's request to reduce the groundwater monitoring and sampling frequency from quarterly to semiannually (KEI, 1996).

March 1996: Two monitoring wells were installed at the site.

May 1998: John's Excavating of Santa Rosa, California removed all underground and aboveground equipment and facilities. Facilities included two 12,000-gallon double-wall steel gasoline USTs, one 550-gallon double-wall steel waste oil UST, two hydraulic lifts, two

dispenser islands and related single-wall product piping, and one service station building. Gettler-Ryan Inc. (GR) personnel performed soil and groundwater sampling activities in conjunction with the station demolition. A total of 1,252.78 tons of soil were removed from the site during demolition activities and transported to Forward Landfill for disposal.

September 1998: Two wells that were damaged during site demolition activities were drilled out and the boreholes backfilled with neat cement to grade. In addition, one soil boring was advanced onsite to a total depth of 16.5 feet below ground surface (bgs). Groundwater was encountered at approximately 10.5 feet bgs. Soil and groundwater samples were collected for development of a Risk Based Corrective Action (RBCA) evaluation for the site.

February 1999: GR performed a RBCA evaluation. The RBCA evaluation concluded that, since the site was scheduled for construction of a fuel dispensing facility covered with concrete and asphalt and no groundwater receptors were located within a 1/4 mile radius of the site, the potential threat to public health and environment was not of significant concern.

June 1999: GR installed three offsite monitoring wells, and advanced nine soil borings on and near the site. Depth-discrete soil and groundwater samples were collected.

April 2002: An ozone injection system was installed and activated at the site.

September 2003: Operations and maintenance responsibilities for the remediation system were transferred to SECOR International Inc. (SECOR).

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

January 2006: Operations and maintenance responsibilities for the remediation system were transferred to Environ Strategy Consultants, Inc. International Inc. (Environ Strategy).

SENSITIVE RECEPTORS

No potential receptors for impacted groundwater were identified within a ¼ mile radius of the site during the RBCA evaluation. No other sensitive receptor surveys have been conducted for the site.

MONITORING AND SAMPLING

One onsite and six offsite wells are currently monitored quarterly. All seven wells were sampled this quarter. The groundwater flow this quarter is towards the south at a calculated hydraulic gradient of 0.06 feet per foot. The groundwater flow direction this quarter is consistent with historical trends as shown in the attached rose diagram of historical groundwater flow directions.

CHARACTERIZATION STATUS

Total petroleum hydrocarbons as gasoline (TPH-g) were detected in five of the seven wells sampled at a maximum concentration of 24,000 micrograms per liter (µg/l) in offsite well MW-7. Benzene was detected in one of seven wells sampled at a concentration

of 35 µg/l in onsite well MW-1. Methyl tertiary butyl ether (MTBE) was detected in six of seven wells sampled at a maximum concentration of 1,100 µg/l in offsite well MW-9.

Hydrocarbon impacts are not fully delineated offsite. Groundwater samples from downgradient monitoring wells MW-9 and MW-10 contained MTBE at concentrations of 1,100 µg/l and 8.5 µg/l, respectively. Groundwater from downgradient well MW-11 did not contain benzene or MTBE at concentrations above laboratory reporting limits; however, TPH-g was detected at a concentration of 55 µg/l.

REMEDIATION STATUS

April 2002: GR installed an ozone sparging system utilizing 10 ozone sparge wells completed to maximum depths of 25 to 30 feet bgs. The system was activated on April 8, 2002. Since then approximately 98 pounds of ozone have been injected.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

December 22, 2006: 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.

October through December 2006: Environ Strategy Consultants Inc. (ESCI) performed operations and maintenance activities on the ozone sparging system throughout the quarter. System downtime occurred during the quarter due to a tripped ozone sensor and a tripped ground-fault interrupter (GFI). During the fourth quarter the system operated for a total of 702 hours (31% runtime) and injected approximately 6.32 pounds of ozone. Since system startup on April 8, 2002, the system has operated for a total of 10,983 hours and injected approximately 99 pounds of ozone. No waste was generated this quarter.

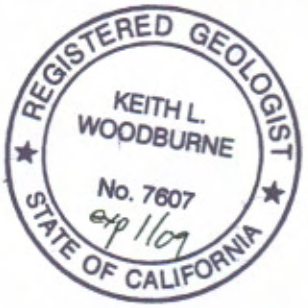
CONCLUSIONS AND RECOMMENDATIONS

TRC recommends continuing quarterly monitoring and sampling to assess plume stability and concentration trends and continuing operation of the ozone sparging system to reduce hydrocarbon mass in the subsurface. TRC will work with the ozone system operations and maintenance contractor to improve overall system performance.

TRC will prepare a Site Conceptual Model, per Alameda County Health Care Services (ACHCS) guidelines, to summarize site conditions and to determine if data gaps exist.

If you have any questions regarding this report, please call me at (925) 688-2488.

Sincerely,



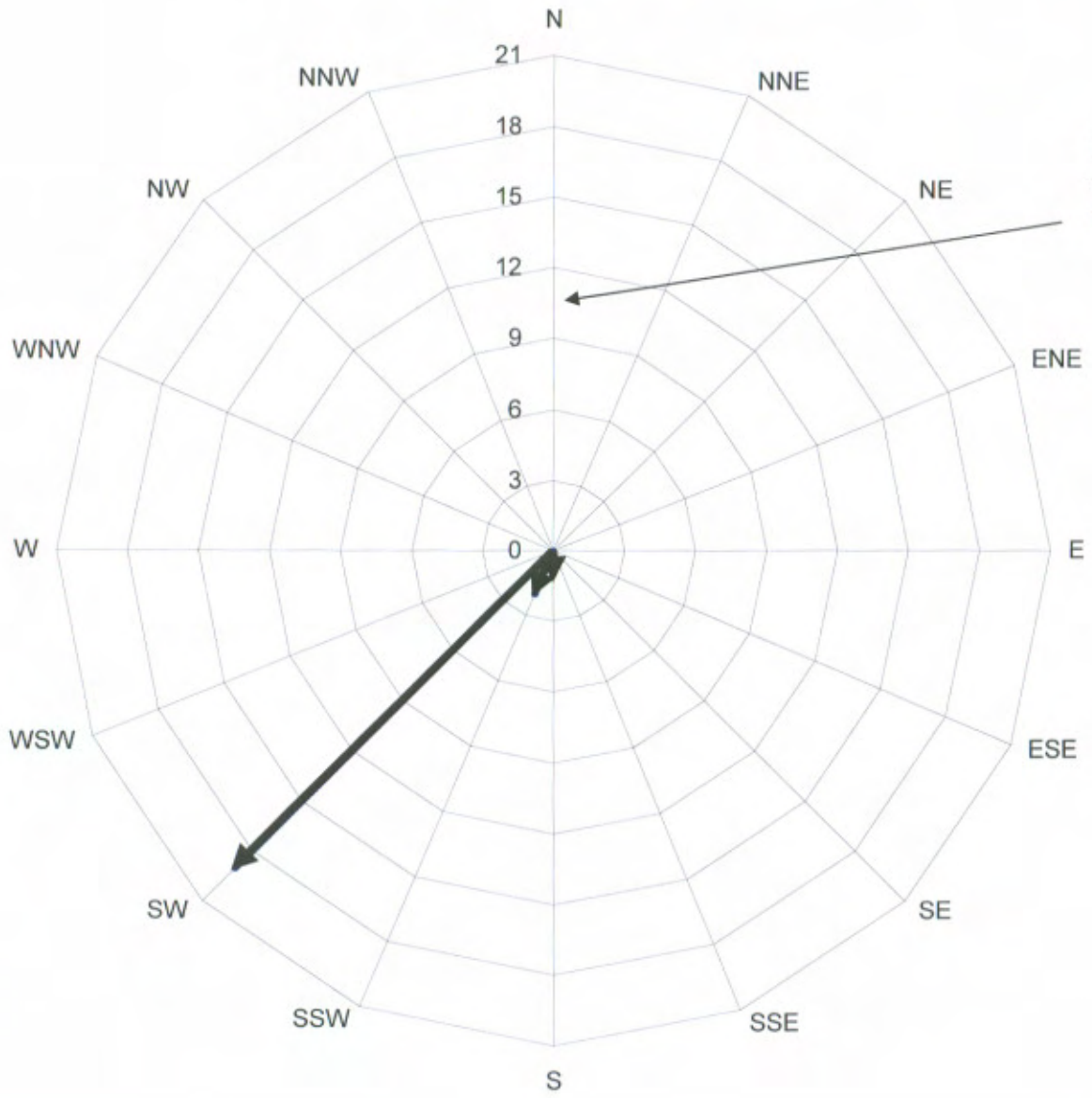
Keith Woodburne, P.G.
Senior Project Manager

Attachments:
Quarterly Monitoring Report, October through December 2006 (TRC, January 17, 2007)
Ozone Injection System O&M Report - Fourth Quarter 2006 (ESCI, January 8, 2007)
Historical Groundwater Flow Directions – January 2001 through December 2006

cc: Shelby Lathrop, ConocoPhillips (via electronic upload, without attachments)

Historical Groundwater Flow Directions for Tosco (76) Service Station No. 1871

January 2001 through December 2006



Number of monitoring events in which groundwater was reported to flow in a particular direction.

TRC

TRC

January 17, 2007

ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MS. SHELBY LATHROP

SITE: 76 STATION 1871
96 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2006

Dear Ms. Lathrop:

Please find enclosed our Quarterly Monitoring Report for 76 Station, located at 96 MacArthur Boulevard, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Keith Woodburne, TRC (3 copies)

Enclosures
20-0400/1871R13.QMS

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

TRC

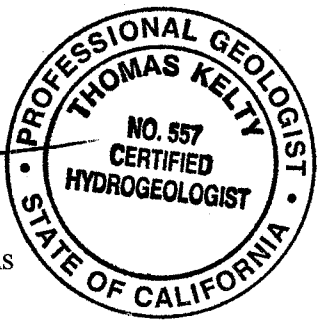
QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2006

76 STATION 1871
96 MacArthur Boulevard
Oakland, California

Prepared For:

Ms. Shelby Lathrop
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
January 11, 2007

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheets – 12/22/06 Groundwater Sampling Field Notes – 12/22/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2006 through December 2006
76 Station 1871
96 MacArthur Boulevard
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-558-7609**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **12/22/06**

Sample Points

Groundwater wells: **1** onsite, **6** offsite Wells gauged: **7** Wells sampled: **7**
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: **5.9 feet** Maximum: **14.75 feet**
Average groundwater elevation (relative to available local datum): **69.89 feet**
Average change in groundwater elevation since previous event: **0.64 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.06 ft/ft, south**
Previous event: **0.04 ft/ft, southwest (09/27/06)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **35 µg/l (MW-1)**

Wells with **TPH-G by GC/MS** **5** Maximum: **24,000 µg/l (MW-7)**
Wells with **MTBE** **6** Maximum: **1,100 µg/l (MW-9)**

Notes:

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

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-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
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: Surface Elevation – Measured Depth to Water + (Dp x 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.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 1871 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables
Site: 76 Station 1871

Current Event

Historic Data

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

December 22, 2006

76 Station 1871

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1		**(Screen Interval in feet: 9.5-24.5)**												
12/22/06	86.99	13.66	0.00	73.33	0.45	--	7300	35	ND<5.0	370	850	--	210	
MW-6		**(Screen Interval in feet: 5.0-25.0)**												
12/22/06	79.67	8.60	0.00	71.07	0.84	--	9100	ND<10	ND<10	ND<10	ND<10	--	600	
MW-7		**(Screen Interval in feet: 5.0-25.0)**												
12/22/06	80.67	8.35	0.00	72.32	0.60	--	24000	ND<50	ND<50	ND<50	ND<50	--	190	
MW-8		**(Screen Interval in feet: 5.0-25.0)**												
12/22/06	81.71	9.42	0.00	72.29	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.50	--	16	
MW-9		**(Screen Interval in feet: DNA)**												
12/22/06	82.07	14.75	0.00	67.32	0.08	--	680	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1100	
MW-10		**(Screen Interval in feet: DNA)**												
12/22/06	74.98	5.90	0.00	69.08	1.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8.5	
MW-11		**(Screen Interval in feet: DNA)**												
12/22/06	77.31	13.48	0.00	63.83	1.30	--	55	ND<0.50	ND<0.50	2.1	5.4	--	ND<0.50	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Ethanol (8260B)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(mg/l)	(mg/l)	(mV)	(mV)
MW-1					
12/22/06	ND<2500	6.80	2.35	-121	-72
MW-6					
12/22/06	ND<5000	1.22	4.03	-46	-67
MW-7					
12/22/06	ND<25000	2.25	2.03	-86	-101
MW-8					
12/22/06	ND<250	1.80	2.40	16	12
MW-9					
12/22/06	ND<250	9.00	4.89	-44	-70
MW-10					
12/22/06	ND<250	3.20	3.00	107	85
MW-11					
12/22/06	ND<250	3.81	4.35	46	44

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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: 9.5-24.5)**													
11/03/92	--	--	--	--	--	260000	--	2300	4600	3700	17000	--	--	
01/25/93	81.18	--	0.00	--	--	120000	--	2100	4600	4900	22000	--	--	
04/29/93	81.18	13.71	0.00	67.47	--	100000	--	850	2000	4300	19000	--	--	
07/16/93	81.18	14.51	0.00	66.67	-0.80	29000	--	590	560	980	4200	--	--	
10/19/93	81.18	15.20	0.00	65.98	-0.69	67000	--	1400	2600	2900	5000	--	--	
01/20/94	81.18	15.17	0.00	66.01	0.03	92000	--	1200	3000	3400	17000	--	--	
04/13/94	81.18	14.44	0.00	66.74	0.73	51000	--	1000	2600	3200	15000	--	--	
07/13/94	81.18	14.88	0.00	66.30	-0.44	35000	--	550	150	1400	5700	--	--	
10/10/94	81.18	15.55	0.00	65.63	-0.67	52000	--	1000	810	3300	12000	--	--	
01/10/95	81.18	12.44	0.00	68.74	3.11	810	--	16	18	59	250	--	--	
04/17/95	81.18	12.68	0.00	68.50	-0.24	48000	--	880	530	2500	11000	--	--	
07/24/95	81.18	13.97	0.00	67.21	-1.29	48000	--	1500	420	2700	9700	--	--	
10/23/95	81.18	14.85	0.00	66.33	-0.88	47000	--	780	210	2100	11000	270	--	
01/18/96	81.18	14.21	0.00	66.97	0.64	30000	--	1500	500	3500	13000	2400	--	
04/18/96	86.24	13.40	0.00	72.84	5.87	66000	--	2700	2200	3100	13000	57000	--	
07/24/96	86.24	14.15	0.00	72.09	-0.75	5600	--	2100	ND	160	160	24000	--	
10/24/96	86.24	14.85	0.00	71.39	-0.70	110000	--	7500	8000	3300	14000	58000	--	
01/28/97	86.24	11.25	0.00	74.99	3.60	94000	--	7700	19000	3100	15000	120000	--	
07/29/97	86.24	14.67	0.00	71.57	-3.42	ND	--	ND	ND	ND	ND	70000	--	
01/14/98	86.24	12.27	0.00	73.97	2.40	85000	--	6100	10000	3000	17000	110000	--	
07/01/98	86.24	14.32	0.00	71.92	-2.05	110000	--	8700	12000	2700	15000	110000	--	
06/18/99	86.24	13.93	0.00	72.31	0.39	49000	--	6900	6500	380	12000	72000	47000	
01/21/00	86.24	15.05	0.00	71.19	-1.12	63700	--	5520	2000	2640	13100	57100	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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 continued														
07/10/00	86.24	13.97	0.00	72.27	1.08	67800	--	9910	4120	3330	16100	67400	54000	
01/04/01	86.24	14.92	0.00	71.32	-0.95	63900	--	6270	784	2670	12900	--	38100	
07/16/01	86.24	14.32	0.00	71.92	0.60	66000	--	7100	330	2300	9800	36000	41000	
01/31/02	86.99	13.54	0.00	73.45	1.53	42000	--	5800	1800	2000	8200	26000	26000	
04/11/02	86.99	13.64	0.00	73.35	-0.10	58000	--	2900	1200	1800	10000	19000	--	
07/11/02	86.99	13.96	0.00	73.03	-0.32	--	5900	330	ND<10	230	600	--	3400	
10/15/02	86.99	14.71	0.00	72.28	-0.75	--	470	16	ND<2.5	14	16	--	390	
01/14/03	86.99	12.77	0.00	74.22	1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	49	
04/16/03	86.99	13.18	0.00	73.81	-0.41	--	510	57	0.62	29	61	--	160	
07/16/03	86.99	14.26	0.00	72.73	-1.08	--	27000	260	23	730	3200	--	1200	
10/02/03	86.99	14.95	0.00	72.04	-0.69	--	45000	1400	32	2900	7600	--	3200	
01/07/04	86.99	12.30	0.00	74.69	2.65	--	34000	690	41	1600	5200	--	2600	
04/02/04	86.99	13.18	0.00	73.81	-0.88	--	350	1.8	ND<0.50	6.2	30	--	19	
07/29/04	86.99	14.61	0.00	72.38	-1.43	--	41000	550	ND<20	2000	6100	--	1200	
11/24/04	86.99	14.98	0.00	72.01	-0.37	--	55000	910	28	3100	11000	--	1600	
01/24/05	86.99	12.98	0.00	74.01	2.00	--	24000	240	ND<20	1100	3600	--	1800	
06/23/05	86.99	13.39	0.00	73.60	-0.41	--	24000	140	ND<25	1100	2900	--	600	
09/28/05	86.99	14.63	0.00	72.36	-1.24	--	8200	22	0.97	290	660	--	320	
12/20/05	86.99	11.42	0.00	75.57	3.21	--	10000	17	29	180	840	--	2400	
03/10/06	86.99	10.98	0.00	76.01	0.44	--	10000	35	ND<5.0	470	1300	--	960	
06/23/06	86.99	11.85	0.00	75.14	-0.87	--	11000	110	ND<5.0	610	1600	--	780	
09/27/06	86.99	14.11	0.00	72.88	-2.26	--	8500	22	ND<10	270	740	--	460	
12/22/06	86.99	13.66	0.00	73.33	0.45	--	7300	35	ND<5.0	370	850	--	210	

MW-2 **(Screen Interval in feet: DNA)**

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
11/03/92	76.61	--	--	--	--	140	--	2.2	ND	ND	2.0	--	--	
01/25/93	76.61	--	--	--	--	2100	--	56	1.1	90	140	--	--	
04/29/93	76.61	9.73	0.00	66.88	--	1500	--	290	ND	33	11	--	--	
07/16/93	76.61	10.17	0.00	66.44	-0.44	510	--	17	0.60	3.2	2.5	--	--	
10/19/93	76.61	11.18	0.00	65.43	-1.01	670	--	24	1.1	7.7	23	--	--	
01/20/94	76.61	11.12	0.00	65.49	0.06	820	--	97	ND	12	ND	--	--	
04/13/94	76.61	10.12	0.00	66.49	1.00	550	--	71	ND	5.1	1.3	--	--	
07/13/94	76.61	10.86	0.00	65.75	-0.74	2000	--	490	ND	17	13	--	--	
10/10/94	76.61	11.48	0.00	65.13	-0.62	2300	--	340	ND	25	ND	--	--	
01/10/95	76.61	8.71	0.00	67.90	2.77	850	--	3.8	ND	8.5	1.3	--	--	
04/17/95	76.61	8.90	0.00	67.71	-0.19	1300	--	4.7	ND	8.3	1.2	--	--	
07/24/95	76.61	9.94	0.00	66.67	-1.04	960	--	20	ND	4.2	6.2	--	--	
10/23/95	76.61	10.70	0.00	65.91	-0.76	ND	--	ND	ND	ND	ND	19	--	
01/18/96	76.61	10.11	0.00	66.50	0.59	900	--	300	86	7.6	18	4300	--	
04/18/96	81.66	9.27	0.00	72.39	5.89	18000	--	3600	680	890	4100	19000	--	
07/24/96	81.66	10.02	0.00	71.64	-0.75	100000	--	13000	21000	2700	16000	120000	--	
10/24/96	81.66	10.78	0.00	70.88	-0.76	800	--	110	17	11	20	20000	--	
01/28/97	81.66	7.70	0.00	73.96	3.08	45000	--	2400	2900	2000	7600	29000	--	
07/29/97	81.66	10.28	0.00	71.38	-2.58	ND	--	1.2	0.72	0.63	0.62	17000	--	
01/14/98	81.66	8.63	0.00	73.03	1.65	14000	--	1000	150	790	3300	23000	--	
07/01/98	81.66	9.53	0.00	72.13	-0.90	2700	--	100	ND	180	78	7100	--	
06/18/99	--	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-3	**(Screen Interval in feet: DNA)**													
11/03/92	77.48	--	--	--	--	2100	--	120	15	38	200	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
01/25/93	77.48	--	--	--	--	2300	--	80	1	55	52	--	--	
04/29/93	77.48	11.37	0.00	66.11	--	4500	--	1700	ND	200	140	--	--	
07/16/93	77.48	12.09	0.00	65.39	-0.72	4000	--	1100	28	52	70	--	--	
10/19/93	77.48	12.69	0.00	64.79	-0.60	3800	--	42	ND	50	56	--	--	
01/20/94	77.48	12.65	0.00	64.83	0.04	4200	--	11	ND	21	15	--	--	
04/13/94	77.48	12.02	0.00	65.46	0.63	4200	--	210	ND	36	53	--	--	
07/13/94	77.48	12.46	0.00	65.02	-0.44	1800	--	16	16	ND	21	--	--	
10/10/94	77.48	12.98	0.00	64.50	-0.52	4300	--	11	ND	12	ND	--	--	
01/10/95	77.48	10.42	0.00	67.06	2.56	310	--	4.6	ND	3.5	2.1	--	--	
04/17/95	77.48	10.42	0.00	67.06	0.00	7800	--	ND	4.6	300	450	--	--	
07/24/95	77.48	11.76	0.00	65.72	-1.34	3200	--	170	ND	22	16	--	--	
10/23/95	77.48	12.50	0.00	64.98	-0.74	3900	--	55	ND	19	11	4500	--	
01/18/96	77.48	11.79	0.00	65.69	0.71	2200	--	270	33	26	18	5500	--	
04/18/96	82.55	11.30	0.00	71.25	5.56	6000	--	1800	ND	100	230	48000	--	
07/24/96	82.55	12.17	0.00	70.38	-0.87	ND	--	2500	ND	ND	ND	71000	--	
10/24/96	82.55	12.65	0.00	69.90	-0.48	3800	--	660	ND	15	ND	65000	--	
01/28/97	82.55	9.50	0.00	73.05	3.15	4400	--	250	13	87	47	54000	--	
07/29/97	82.55	11.99	0.00	70.56	-2.49	ND	--	3500	ND	220	ND	75000	--	
01/14/98	82.55	10.30	0.00	72.25	1.69	ND	--	430	ND	100	380	37000	--	
07/01/98	82.55	11.70	0.00	70.85	-1.40	ND	--	430	ND	ND	ND	45000	--	
06/18/99	--	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-4	**(Screen Interval in feet: DNA)**													
04/18/96	82.04	9.83	0.00	72.21	--	ND	--	630	ND	ND	ND	18000	--	
07/24/96	82.04	10.47	0.00	71.57	-0.64	ND	--	ND	ND	ND	5.2	3900	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
10/24/96	82.04	11.14	0.00	70.90	-0.67	ND	--	ND	ND	ND	ND	6300	--	
01/28/97	82.04	7.94	0.00	74.10	3.20	1200	--	490	ND	17	6.8	16000	--	
07/29/97	82.04	10.86	0.00	71.18	-2.92	50	--	1.5	0.61	0.73	0.78	15000	--	
01/14/98	82.04	8.73	0.00	73.31	2.13	ND	--	ND	ND	ND	ND	5200	--	
07/01/98	82.04	10.51	0.00	71.53	-1.78	ND	--	ND	ND	ND	ND	640	--	
06/18/99	82.04	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-5	**(Screen Interval in feet: DNA)**													
04/18/96	81.80	9.65	0.00	72.15	--	31000	--	5500	1400	1700	8100	66000	--	
07/24/96	81.80	10.80	0.00	71.00	-1.15	32000	--	6400	ND	1600	6100	120000	--	
10/24/96	81.80	11.40	0.00	70.40	-0.60	17000	--	6900	ND	970	130	84000	--	
01/28/97	81.80	7.76	0.00	74.04	3.64	19000	--	6100	62	82	310	160000	--	
07/29/97	81.80	11.58	0.00	70.22	-3.82	ND	--	ND	ND	ND	ND	71000	--	
01/14/98	81.80	9.08	0.00	72.72	2.50	ND	--	3600	ND	ND	ND	80000	--	
07/01/98	81.80	11.25	0.00	70.55	-2.17	6400	--	2100	21	120	330	61000	--	
06/18/99	81.80	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-6	**(Screen Interval in feet: 5.0-25.0)**													
06/18/99	78.91	9.30	0.00	69.61	--	2100	--	21	29	ND	47	97000	71000	
01/21/00	78.91	9.37	0.00	69.54	-0.07	1880	--	143	31.2	106	196	41200	48800	
07/10/00	78.91	8.94	0.00	69.97	0.43	5710	--	869	209	301	1430	22200	19500	
01/04/01	78.91	9.21	0.00	69.70	-0.27	ND	--	ND	ND	ND	ND	--	9510	
07/16/01	78.91	9.42	0.00	69.49	-0.21	4800	--	200	21	150	440	29000	34000	
01/31/02	78.91	8.50	0.00	70.41	0.92	12000	--	250	92	500	1500	26000	31000	
04/11/02	79.67	9.08	0.00	70.59	0.18	3600	--	42	32	39	280	120000	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
07/11/02	79.67	9.70	0.00	69.97	-0.62	--	12000	ND<100	ND<100	ND<100	ND<200	--	15000	
10/15/02	79.67	9.96	0.00	69.71	-0.26	--	1300	ND<10	ND<10	ND<10	ND<20	--	3200	
01/14/03	79.67	8.31	0.00	71.36	1.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
04/16/03	79.67	8.21	0.00	71.46	0.10	--	270	ND<0.50	ND<0.50	ND<0.50	1.3	--	15	
07/16/03	79.67	9.43	0.00	70.24	-1.22	--	290	39	0.60	ND<0.50	15	--	150	
10/02/03	79.67	9.92	0.00	69.75	-0.49	--	200	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	220	
01/07/04	79.67	8.08	0.00	71.59	1.84	--	140	2.4	ND<1.0	8.6	13	--	86	
04/02/04	79.67	8.63	0.00	71.04	-0.55	--	3200	ND<20	ND<20	ND<20	ND<40	--	5900	
07/29/04	79.67	9.75	0.00	69.92	-1.12	--	170	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	160	
11/24/04	79.67	9.59	0.00	70.08	0.16	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
01/24/05	79.67	8.33	0.00	71.34	1.26	--	100	1.1	ND<0.50	0.60	1.1	--	40	
06/23/05	79.67	8.33	0.00	71.34	0.00	--	230	0.52	ND<0.50	3.6	9.6	--	200	
09/28/05	79.67	9.56	0.00	70.11	-1.23	--	500	ND<0.50	ND<0.50	ND<0.50	1.2	--	980	
12/20/05	79.67	7.82	0.00	71.85	1.74	--	640	0.79	ND<0.50	0.68	2.3	--	2400	
03/10/06	79.67	6.83	0.00	72.84	0.99	--	970	1.2	ND<0.50	1.3	5.0	--	3600	
06/23/06	79.67	8.13	0.00	71.54	-1.30	--	1700	ND<12	ND<12	ND<12	ND<25	--	1100	
09/27/06	79.67	9.44	0.00	70.23	-1.31	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	620	
12/22/06	79.67	8.60	0.00	71.07	0.84	--	9100	ND<10	ND<10	ND<10	ND<10	--	600	
MW-7	**(Screen Interval in feet: 5.0-25.0)**													
06/18/99	79.92	8.70	0.00	71.22	--	ND	--	ND	ND	ND	ND	16000	13000	
01/21/00	79.92	9.30	0.00	70.62	-0.60	ND	--	ND	ND	ND	ND	12300	18200	
07/10/00	79.92	8.72	0.00	71.20	0.58	ND	--	ND	ND	ND	ND	16900	13800	
01/04/01	79.92	9.17	0.00	70.75	-0.45	ND	--	ND	ND	ND	0.719	--	37.3	
07/16/01	79.92	9.02	0.00	70.90	0.15	ND	--	ND	ND	ND	ND	7200	4700	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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-7 continued														
01/31/02	79.92	7.91	0.00	72.01	1.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8900	9900	
04/11/02	80.67	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
07/11/02	80.67	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/15/02	80.67	9.81	0.00	70.86	--	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	12000	
01/14/03	80.67	7.89	0.00	72.78	1.92	--	ND<25000	ND<250	ND<250	ND<250	ND<500	--	33000	
04/16/03	80.67	8.04	0.00	72.63	-0.15	--	ND<25000	ND<250	ND<250	ND<250	ND<500	--	37000	
07/16/03	80.67	9.19	0.00	71.48	-1.15	--	25000	ND<250	ND<250	ND<250	ND<500	--	38000	
10/02/03	80.67	9.89	0.00	70.78	-0.70	--	17000	ND<100	ND<100	ND<100	ND<200	--	22000	
01/07/04	80.67	7.27	0.00	73.40	2.62	--	ND<20000	ND<200	460	ND<200	540	--	19000	
04/02/04	80.67	8.09	0.00	72.58	-0.82	--	3400	ND<20	ND<20	ND<20	ND<40	--	5100	
07/29/04	80.67	9.40	0.00	71.27	-1.31	--	7400	ND<50	ND<50	ND<50	ND<100	--	11000	
11/24/04	80.67	9.65	0.00	71.02	-0.25	--	6200	ND<50	ND<50	ND<50	ND<100	--	6800	
01/24/05	80.67	7.92	0.00	72.75	1.73	--	ND<5000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13000	
06/23/05	80.67	8.56	0.00	72.11	-0.64	--	8700	ND<25	ND<25	ND<25	ND<50	--	12000	
09/28/05	80.67	9.37	0.00	71.30	-0.81	--	1200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5700	
12/20/05	80.67	6.31	0.00	74.36	3.06	--	1100	0.90	ND<0.50	24	37	--	8200	
03/10/06	80.67	5.84	0.00	74.83	0.47	--	1200	24	ND<0.50	3.6	ND<1.0	--	4700	
06/23/06	80.67	6.83	0.00	73.84	-0.99	--	1800	21	ND<12	ND<12	ND<25	--	1500	
09/27/06	80.67	8.95	0.00	71.72	-2.12	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	350	
12/22/06	80.67	8.35	0.00	72.32	0.60	--	24000	ND<50	ND<50	ND<50	ND<50	--	190	
MW-8	**(Screen Interval in feet: 5.0-25.0)**													
06/18/99	80.96	9.10	0.00	71.86	--	ND	--	ND	ND	ND	ND	290	160	
01/21/00	80.96	10.00	0.00	70.96	-0.90	ND	--	ND	ND	ND	1.09	224	221	
07/10/00	80.96	7.94	0.00	73.02	2.06	ND	--	ND	ND	ND	ND	234	223	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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-8 continued														
01/04/01	80.96	9.76	0.00	71.20	-1.82	3790	--	141	8.92	128	375	--	34200	
07/16/01	80.96	9.15	0.00	71.81	0.61	ND	--	ND	ND	ND	ND	66	70	
01/31/02	80.96	7.99	0.00	72.97	1.16	5900	--	86	ND<10	630	390	670	700	
04/11/02	81.71	9.00	0.00	72.71	-0.26	250	--	2.0	ND<0.50	38	2.2	410	--	
07/11/02	81.71	9.60	0.00	72.11	-0.60	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
10/15/02	81.71	10.60	0.00	71.11	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
01/14/03	81.71	8.63	0.00	73.08	1.97	--	ND<250	2.6	ND<2.5	18	ND<5.0	--	430	
04/16/03	81.71	8.98	0.00	72.73	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
07/16/03	81.71	9.63	0.00	72.08	-0.65	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	140	
10/02/03	81.71	10.41	0.00	71.30	-0.78	--	75	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	78	
01/07/04	81.71	8.21	0.00	73.50	2.20	--	ND<5000	ND<50	ND<50	ND<50	340	--	3700	
04/02/04	81.71	8.51	0.00	73.20	-0.30	--	3000	ND<20	ND<20	ND<20	ND<40	--	5200	
07/29/04	81.71	9.78	0.00	71.93	-1.27	--	3200	ND<25	ND<25	ND<25	ND<50	--	5500	
11/24/04	81.71	10.19	0.00	71.52	-0.41	--	2100	ND<10	ND<10	ND<10	ND<20	--	2400	
01/24/05	81.71	8.49	0.00	73.22	1.70	--	ND<2500	4.0	0.52	ND<0.50	29	--	1800	
06/23/05	81.71	8.34	0.00	73.37	0.15	--	490	ND<0.50	ND<0.50	1.5	ND<1.0	--	980	
09/28/05	81.71	9.61	0.00	72.10	-1.27	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	520	
12/20/05	81.71	7.35	0.00	74.36	2.26	--	2700	ND<0.50	ND<0.50	78	82	--	86	
03/10/06	81.71	6.63	0.00	75.08	0.72	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	51	
06/23/06	81.71	6.56	0.00	75.15	0.07	--	3600	ND<0.50	ND<0.50	100	57	--	ND<0.50	
09/27/06	81.71	9.64	0.00	72.07	-3.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/22/06	81.71	9.42	0.00	72.29	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.50	--	16	
MW-9	**(Screen Interval in feet: DNA)**													
01/31/02	82.07	14.72	0.00	67.35	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	680	910	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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-9 continued														
04/11/02	82.07	14.85	0.00	67.22	-0.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	620	--	
07/11/02	82.07	15.39	0.00	66.68	-0.54	--	580	ND<5.0	ND<5.0	ND<5.0	ND<10	--	580	
10/15/02	82.07	16.16	0.00	65.91	-0.77	--	570	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1400	
01/14/03	82.07	14.75	0.00	67.32	1.41	--	ND<200	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	220	
04/16/03	82.07	14.51	0.00	67.56	0.24	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	860	
07/16/03	82.07	15.54	0.00	66.53	-1.03	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	1300	
10/02/03	82.07	16.28	0.00	65.79	-0.74	--	820	ND<5.0	ND<5.0	ND<5.0	ND<10	--	990	
01/07/04	82.07	14.65	0.00	67.42	1.63	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1200	
04/02/04	82.07	15.08	0.00	66.99	-0.43	--	510	ND<5.0	ND<5.0	ND<5.0	ND<10	--	850	
07/29/04	82.07	15.81	0.00	66.26	-0.73	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1300	
11/24/04	82.07	16.25	0.00	65.82	-0.44	--	1100	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1300	
01/24/05	82.07	14.96	0.00	67.11	1.29	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2300	
06/23/05	82.07	14.40	0.00	67.67	0.56	--	1500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	2000	
09/28/05	82.07	15.67	0.00	66.40	-1.27	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	2400	
12/20/05	82.07	14.61	0.00	67.46	1.06	--	560	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2800	
03/10/06	82.07	13.39	0.00	68.68	1.22	--	1100	ND<5.0	ND<5.0	ND<5.0	ND<10	--	2100	
06/23/06	82.07	13.68	0.00	68.39	-0.29	--	1700	ND<12	ND<12	ND<12	ND<25	--	1700	
09/27/06	82.07	14.83	0.00	67.24	-1.15	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	1400	
12/22/06	82.07	14.75	0.00	67.32	0.08	--	680	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1100	
MW-10	**(Screen Interval in feet: DNA)**													
01/31/02	74.98	8.02	0.00	66.96	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.2	
04/11/02	74.98	7.60	0.00	67.38	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/11/02	74.98	8.91	0.00	66.07	-1.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
10/15/02	74.98	11.49	0.00	63.49	-2.58	--	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

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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-10 continued														
01/14/03	74.98	8.47	0.00	66.51	3.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/16/03	74.98	7.92	0.00	67.06	0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/16/03	74.98	7.03	0.00	67.95	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	74.98	7.63	0.00	67.35	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/07/04	74.98	6.22	0.00	68.76	1.41	--	54	ND<0.50	ND<0.50	1.3	4.5	--	ND<2.0	
04/02/04	74.98	7.49	0.00	67.49	-1.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.0	
07/29/04	74.98	7.41	0.00	67.57	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/24/04	74.98	7.55	0.00	67.43	-0.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.5	
01/24/05	74.98	6.40	0.00	68.58	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.71	
06/23/05	74.98	6.46	0.00	68.52	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/28/05	74.98	7.52	0.00	67.46	-1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/05	74.98	6.04	0.00	68.94	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.57	
03/10/06	74.98	5.86	0.00	69.12	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	74.98	6.42	0.00	68.56	-0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.50	
09/27/06	74.98	6.92	0.00	68.06	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	48	
12/22/06	74.98	5.90	0.00	69.08	1.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8.5	
MW-11	**(Screen Interval in feet: DNA)**													
01/31/02	77.31	11.71	0.00	65.60	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
04/11/02	77.31	11.95	0.00	65.36	-0.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/11/02	77.31	12.79	0.00	64.52	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
10/15/02	77.31	13.67	0.00	63.64	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/14/03	77.31	13.31	0.00	64.00	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/16/03	77.31	14.08	0.00	63.23	-0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/16/03	77.31	12.98	0.00	64.33	1.10	--	65	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2006

76 Station 1871

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-11	**continued**													
10/02/03	77.31	12.96	0.00	64.35	0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/07/04	77.31	16.20	0.00	61.11	-3.24	--	63	ND<0.50	ND<0.50	0.68	2.2	--	ND<2.0	
04/02/04	77.31	18.01	0.00	59.30	-1.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/29/04	77.31	14.39	0.00	62.92	3.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/24/04	77.31	16.72	0.00	60.59	-2.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/24/05	77.31	17.44	0.00	59.87	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/05	77.31	12.37	0.00	64.94	5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/28/05	77.31	16.78	0.00	60.53	-4.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/05	77.31	17.06	0.00	60.25	-0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/10/06	77.31	16.20	0.00	61.11	0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	77.31	12.65	0.00	64.66	3.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/06	77.31	14.78	0.00	62.53	-2.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/22/06	77.31	13.48	0.00	63.83	1.30	--	55	ND<0.50	ND<0.50	2.1	5.4	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-1													
06/18/99	--	ND	ND	ND	--	ND	ND	ND	--	--	--	--	--
07/16/01	--	ND	ND	ND	--	ND	ND	ND	--	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
07/16/03	--	--	ND<10000	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<25000	--	--	--	--	--	--	25.1	45.7	80.1	21.0
01/07/04	--	--	ND<20000	--	--	--	--	--	--	12.12	12.31	142	24
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.33	13.42	36	34
07/29/04	--	--	ND<2000	--	--	--	--	--	--	5.37	5.51	-2	-4
11/24/04	--	--	ND<2000	--	--	--	--	--	6.58	3.08	4.73	-43	-39
01/24/05	--	--	ND<2000	--	--	--	--	--	--	14.3	17.0	100	96
06/23/05	--	--	ND<50000	--	--	--	--	--	--	--	4.79	-103	--
09/28/05	--	--	ND<1000	--	--	--	--	--	--	3.45	4.73	-91	-94
12/20/05	--	--	ND<250	--	--	--	--	--	--	4.16	2.76	-210	-328
03/10/06	--	--	ND<2500	--	--	--	--	--	--	1.45	1.64	-511	-615
06/23/06	--	--	ND<2500	--	--	--	--	--	--	--	4.31	-030	--
09/27/06	--	--	ND<5000	--	--	--	--	--	--	4.50	4.72	-32	-25
12/22/06	--	--	ND<2500	--	--	--	--	--	--	6.80	2.35	-121	-72
MW-4													
04/18/96	110	--	--	--	--	--	--	--	--	--	--	--	--
07/24/96	ND	--	--	--	--	--	--	--	--	--	--	--	--
10/24/96	ND	--	--	--	--	--	--	--	--	--	--	--	--
01/28/97	210	--	--	--	--	--	--	--	--	--	--	--	--
07/29/97	ND	--	--	--	--	--	--	--	--	--	--	--	--
01/14/98	ND	--	--	--	--	--	--	--	--	--	--	--	--
07/01/98	ND	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-6													
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
07/11/02	--	ND<1000	ND<5000	ND<100	ND<100	ND<200	ND<100	ND<100	--	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<1000	--	--	--	--	--	--	15.5	26.2	139	175
01/07/04	--	--	ND<1000	--	--	--	--	--	--	12.63	14.29	-12	24
04/02/04	--	--	ND<2000	--	--	--	--	--	--	12.63	12.72	9	23
07/29/04	--	--	ND<100	--	--	--	--	--	--	4.74	4.79	-19	-8
11/24/04	--	--	ND<50	--	--	--	--	--	6.99	2.81	5.54	-29	-12
01/24/05	--	--	ND<50	--	--	--	--	--	--	14.5	15.3	72	70
06/23/05	--	--	ND<1000	--	--	--	--	--	--	1.86	1.73	70	71
09/28/05	--	--	ND<1000	--	--	--	--	--	--	2.63	2.57	-74	-80
12/20/05	--	--	ND<250	--	--	--	--	--	--	1.52	2.30	-280	-217
03/10/06	--	--	ND<250	--	--	--	--	--	--	5.25	0.80	173	224
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	3.39	-105	--
09/27/06	--	--	ND<6200	--	--	--	--	--	--	2.54	3.01	-109	-104
12/22/06	--	--	ND<5000	--	--	--	--	--	--	1.22	4.03	-46	-67
MW-7													
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
01/14/03	--	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	--	--
07/16/03	--	--	ND<250000	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<100000	--	--	--	--	--	--	24.3	28.2	109	153
01/07/04	--	--	ND<200000	--	--	--	--	--	--	10.79	10.85	23	5
04/02/04	--	--	ND<2000	--	--	--	--	--	--	12.41	11.32	24	10

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-7 continued													
07/29/04	--	--	ND<5000	--	--	--	--	--	--	4.10	3.96	17	18
11/24/04	--	--	ND<5000	--	--	--	--	--	6.60	1.99	3.29	-43	-24
01/24/05	--	--	ND<5000	--	--	--	--	--	--	17.2	14.5	71	48
06/23/05	--	--	ND<50000	--	--	--	--	--	--	2.84	2.18	-37	-32
09/28/05	--	--	ND<1000	--	--	--	--	--	--	3.45	3.63	-81	-85
12/20/05	--	--	ND<250	--	--	--	--	--	--	2.04	2.03	-263	-256
03/10/06	--	--	ND<250	--	--	--	--	--	--	1.28	0.95	164	-179
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	3.95	-119	--
09/27/06	--	--	ND<6200	--	--	--	--	--	--	3.16	3.98	-107	-95
12/22/06	--	--	ND<25000	--	--	--	--	--	--	2.25	2.03	-86	-101
MW-8													
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
01/14/03	--	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	23.6	28.5	188	197
01/07/04	--	--	ND<50000	--	--	--	--	--	--	9.94	13.13	-15	21
04/02/04	--	--	ND<2000	--	--	--	--	--	--	13.37	12.82	-10	16
07/29/04	--	--	ND<2500	--	--	--	--	--	--	3.68	3.73	18	30
11/24/04	--	--	ND<1000	--	--	--	--	--	6.67	3.97	2.71	-36	-20
01/24/05	--	--	ND<2500	--	--	--	--	--	--	41.6	41.2	56	60
06/23/05	--	--	ND<1000	--	--	--	--	--	--	2.05	2.13	58	56
09/28/05	--	--	ND<1000	--	--	--	--	--	--	2.12	1.98	-40	-26
12/20/05	--	--	ND<250	--	--	--	--	--	--	2.02	3.72	-402	-326
03/10/06	--	--	ND<250	--	--	--	--	--	--	1.51	0.99	-182	-181
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	2.81	-135	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-8 continued													
09/27/06	--	--	ND<250	--	--	--	--	--	--	4.87	4.91	-155	-139
12/22/06	--	--	ND<250	--	--	--	--	--	--	1.80	2.40	16	12
MW-9													
01/31/02	--	ND<140	ND<3600	ND<7.1	ND<7.1	ND<7.1	ND<7.1	ND<7.1	--	--	--	--	--
01/14/03	--	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	--	--	--	--	--
07/16/03	--	--	ND<25000	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<5000	--	--	--	--	--	--	29.5	28.4	201	203
01/07/04	--	--	ND<10000	--	--	--	--	--	--	10.45	12.00	9	27
04/02/04	--	--	ND<500	--	--	--	--	--	--	16.37	13.21	12	32
07/29/04	--	--	ND<1000	--	--	--	--	--	--	--	--	--	--
11/24/04	--	--	ND<500	--	--	--	--	--	6.47	3.24	1.71	-68	-67
01/24/05	--	--	ND<1000	--	--	--	--	--	--	26.0	22.5	-45	-45
06/23/05	--	--	ND<10000	--	--	--	--	--	--	1.50	1.44	-136	-144
09/28/05	--	--	ND<50000	--	--	--	--	--	--	2.51	1.67	-94	-119
12/20/05	--	--	ND<250	--	--	--	--	--	--	5.05	4.67	-102	-42
03/10/06	--	--	ND<2500	--	--	--	--	--	--	2.82	2.13	160	161
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	0.84	-65	--
09/27/06	--	--	ND<6200	--	--	--	--	--	--	0.68	0.75	-61	-43
12/22/06	--	--	ND<250	--	--	--	--	--	--	9.00	4.89	-44	-70
MW-10													
01/31/02	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	24.8	25.7	192	213
01/07/04	--	--	ND<500	--	--	--	--	--	--	10.04	11.62	35	59
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.91	12.02	42	45

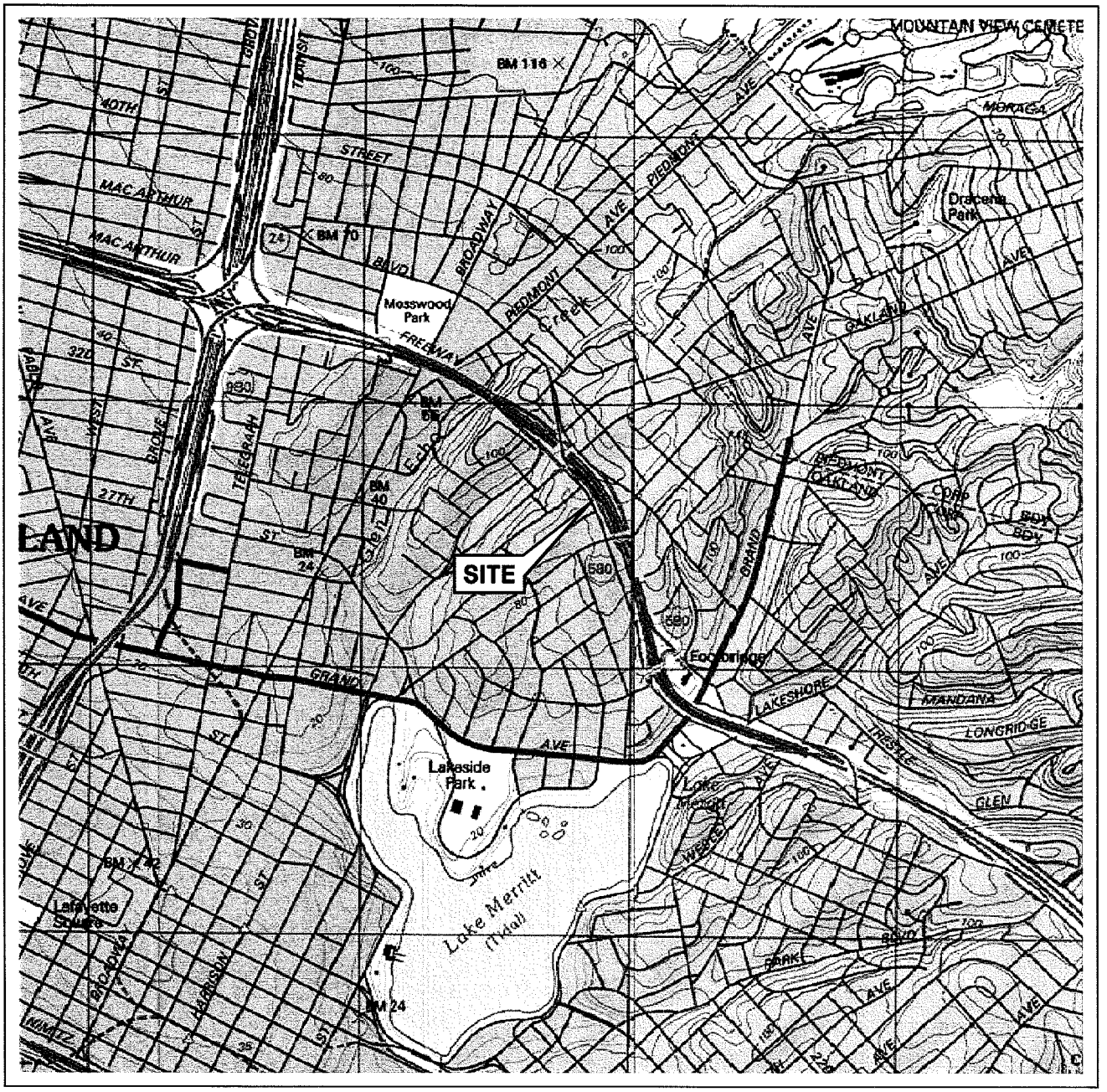
Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-10 continued													
07/29/04	--	--	ND<50	--	--	--	--	--	--	4.81	4.83	83	102
11/24/04	--	--	ND<50	--	--	--	--	--	6.89	2.59	3.07	-39	-29
01/24/05	--	--	ND<50	--	--	--	--	--	--	27.5	25.5	87	84
06/23/05	--	--	ND<1000	--	--	--	--	--	--	7.83	176	40	44
09/28/05	--	--	ND<1000	--	--	--	--	--	--	6.95	2.37	-66	-64
12/20/05	--	--	ND<250	--	--	--	--	--	--	3.85	3.45	59	58
03/10/06	--	--	ND<250	--	--	--	--	--	--	2.52	4.48	87	83
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	1.49	-68	--
09/27/06	--	--	ND<250	--	--	--	--	--	--	1.79	1.55	-85	-65
12/22/06	--	--	ND<250	--	--	--	--	--	--	3.20	3.00	107	85
MW-11													
01/31/02	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	33.7	23.2	202	255
01/07/04	--	--	ND<500	--	--	--	--	--	--	11.69	13.82	99	103
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.94	14.08	-1	108
07/29/04	--	--	ND<50	--	--	--	--	--	--	--	--	--	--
11/24/04	--	--	ND<50	--	--	--	--	--	6.75	3.85	4.32	82	143
01/24/05	--	--	ND<50	--	--	--	--	--	--	30.01	32.6	79	83
06/23/05	--	--	ND<1000	--	--	--	--	--	--	2.17	2.16	76	82
09/28/05	--	--	ND<1000	--	--	--	--	--	--	4.97	4.59	-4	-1
12/20/05	--	--	ND<250	--	--	--	--	--	--	5.16	4.77	35	070
03/10/06	--	--	ND<250	--	--	--	--	--	--	5.11	9.99	68	97
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	7.74	-26	--
09/27/06	--	--	ND<250	--	--	--	--	--	--	5.72	5.98	32	40

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	pH	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)	(mV)
MW-11 continued													
12/22/06	--	--	ND<250	--	--	--	--	--	--	3.81	4.35	46	44

FIGURES



SOURCE:

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

VICINITY MAP

76 Station 1871
96 MacArthur Boulevard
Oakland, California

FIGURE 1

TRC

PS = 1:1 L:\ V I C I N I T Y M A P S\1871vm.dwg Oct 10, 2006 - 12:59pm lwinters

INTERSTATE HIGHWAY 580

WESTBOUND ON-RAMP TO I-580

SIDEWALK

SANTA CLARA AVENUE

MACARTHUR BLVD. OVERCROSSING EASTBOUND ON-RAMP

PLANTER

MACARTHUR BOULEVARD

SIDEWALK

DRIVEWAY

QUICK STOP MARKET BUILDING

MW-9
67.32

OVERHEAD RAMP

SIDEWALK

MW-8
72.29

DRIVEWAY

SP-H

UST

UST

SP-C

MW-7
72.32

SP-DS

CANOPY

DISPENSER ISLANDS

SP-A

SP-F

DRIVEWAY

CONCRETE ISLAND

CONC. DRAINAGE DITCH

MW-10
69.08

SIDEWALK

CONC. BRIDGE COLUMS (TYP.)

MW-6
71.07

SP-E

SP-C

SP-BS
SP-BD

SP-DS
SP-DD

MW-1
73.33

DRIVEWAY

SIDEWALK

OVERHEAD FREEWAY STRUCTURE

HARRISON STREET

72.00

SIDEWALK

WESTBOUND ON-RAMP TO I-580

MW-11
63.83

CONC. BRIDGE COLUMS (TYP.)

DIRT & LANDSCAPING

WESTBOUND ON-RAMP TO I-580

LANDSCAPING

MACARTHUR BOULEVARD

68.00

64.00

N

LEGEND

MW-11 ⊕ Monitoring Well with Groundwater Elevation (feet)

SP-H ⊕ Ozone Sparge Well

72.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

SCALE (FEET)

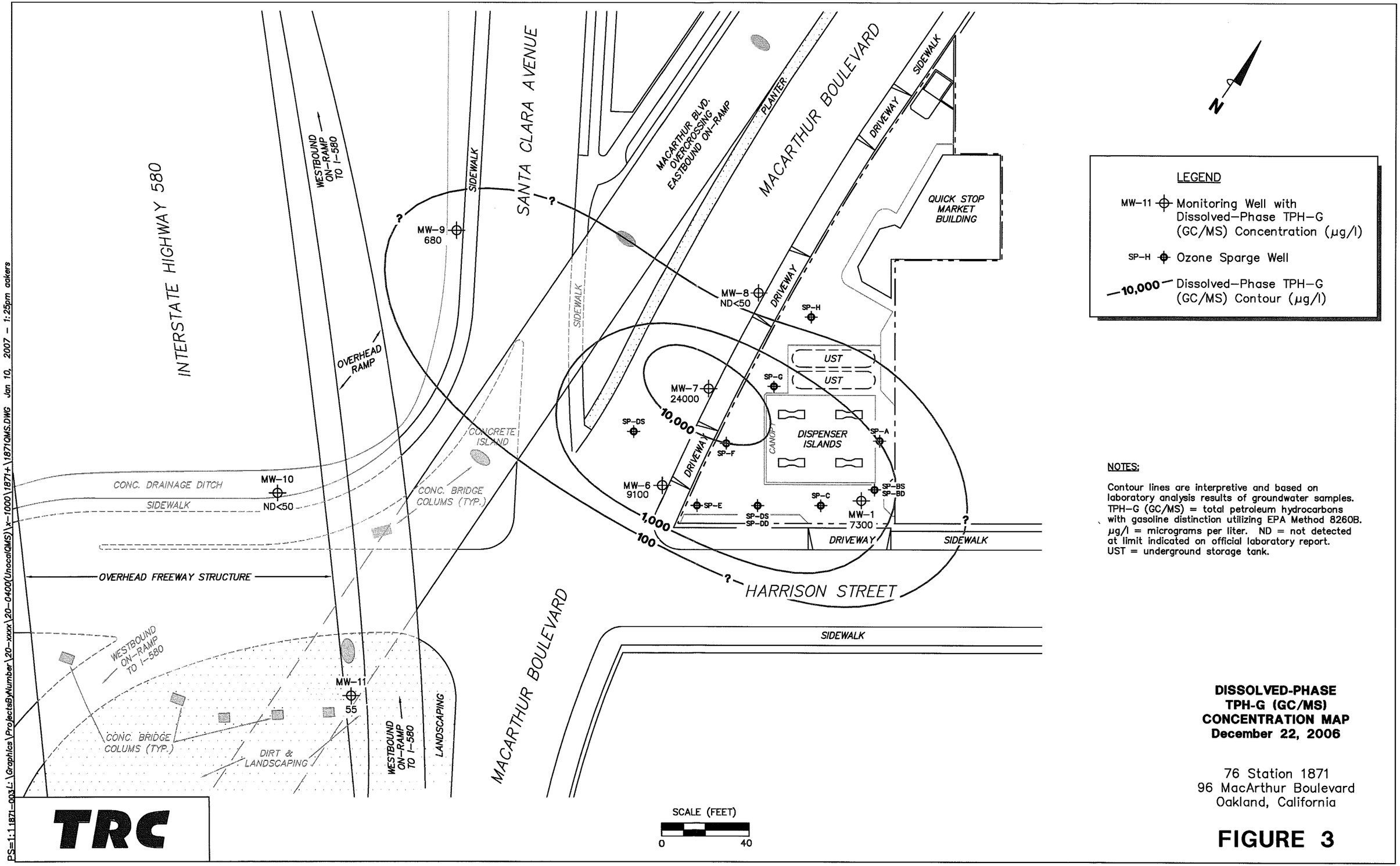
0 40

TRC

GROUNDWATER ELEVATION CONTOUR MAP
December 22, 2006

76 Station 1871
96 MacArthur Boulevard
Oakland, California

FIGURE 2



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
December 22, 2006

76 Station 1871
96 MacArthur Boulevard
Oakland, California

FIGURE 3

TRC

PS=1:1 1871-003 L: \Graphics \ProjectsByNumber \20-xxxx \20-0400(UnocalQMS) \x-1000 \1871+ \1871QMS.DWG Jan 10, 2007 - 1:25pm akers

PS=1:1 1871-003L: \Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-1000\1871+\1871QMS.DWG Jan 10, 2007 - 1:15pm aakers

INTERSTATE HIGHWAY 580

WESTBOUND ON-RAMP TO I-580

OVERHEAD RAMP

SIDEWALK

SANTA CLARA AVENUE

MACARTHUR BLVD. OVERCROSSING EASTBOUND ON-RAMP

MACARTHUR BOULEVARD

PLANTER

SIDEWALK

DRIVEWAY

QUICK STOP MARKET BUILDING

MW-9
ND<0.50

MW-8
ND<0.50

SP-H

UST

UST

SP-G

MW-7
ND<50

SP-DS

DRIVEWAY

SP-F

CANOPY

DISPENSER ISLANDS

SP-A

MW-6
ND<10

SP-E

SP-C

SP-BS
SP-BD

SP-DS
SP-DD

MW-1
35

DRIVEWAY

SIDEWALK

10

1.0

HARRISON STREET

CONCRETE ISLAND

CONC. DRAINAGE DITCH

SIDEWALK

MW-10
ND<0.50

CONC. BRIDGE COLUMS (TYP.)

OVERHEAD FREEWAY STRUCTURE

WESTBOUND ON-RAMP TO I-580

MW-11
ND<0.50

CONC. BRIDGE COLUMS (TYP.)

DIRT & LANDSCAPING

WESTBOUND ON-RAMP TO I-580

LANDSCAPING

MACARTHUR BOULEVARD

SIDEWALK

N

LEGEND

MW-11 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

SP-H ⊕ Ozone Sparge Well

10 Dissolved-Phase Benzene Contour (µg/l)

NOTES:

Contour lines are interpretive and are based on laboratory analysis results of groundwater samples µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

SCALE (FEET)

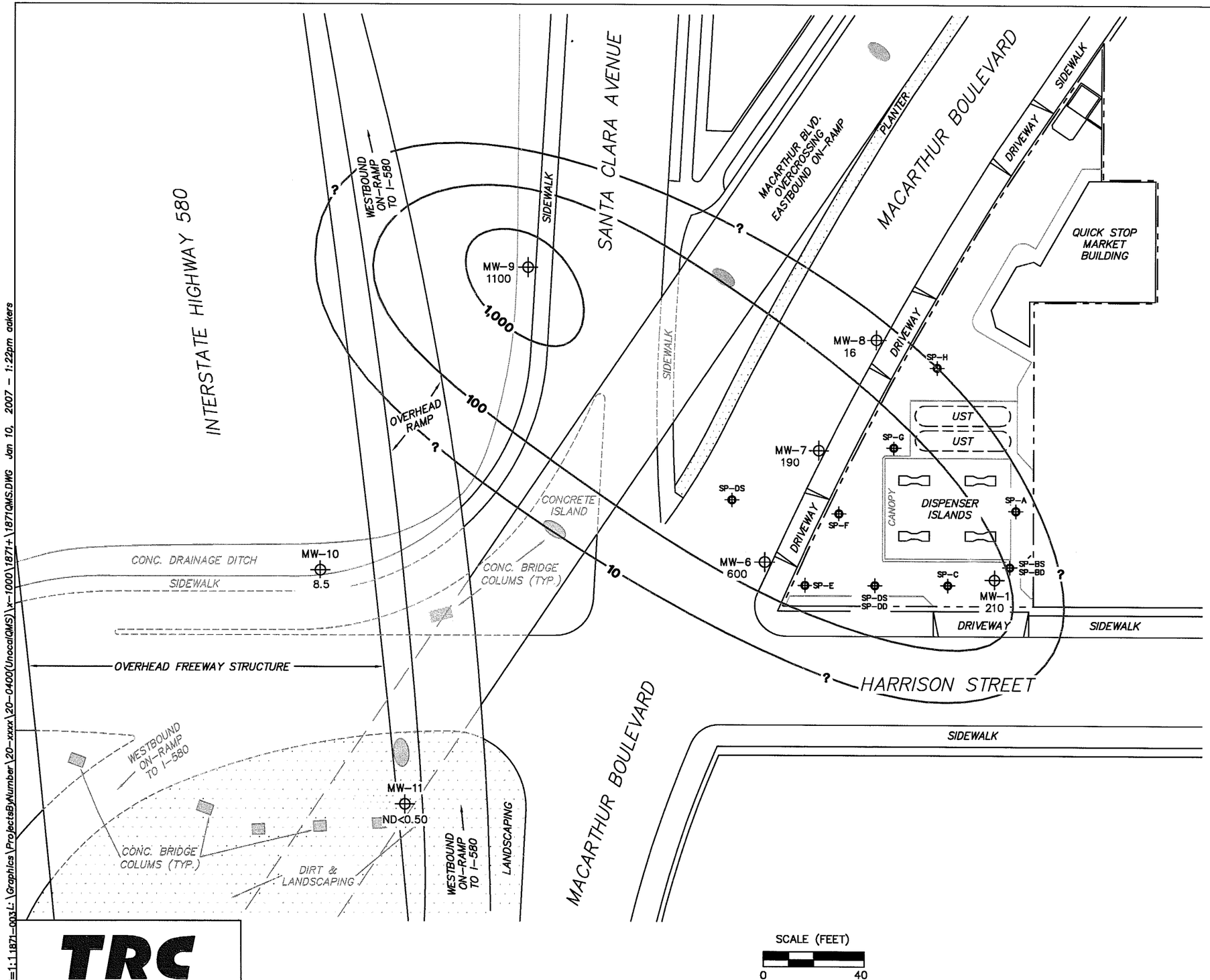
0 40

TRC

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 22, 2006

76 Station 1871
96 MacArthur Boulevard
Oakland, California

FIGURE 4



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. UST = underground storage tank. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 22, 2006

76 Station 1871
96 MacArthur Boulevard
Oakland, California

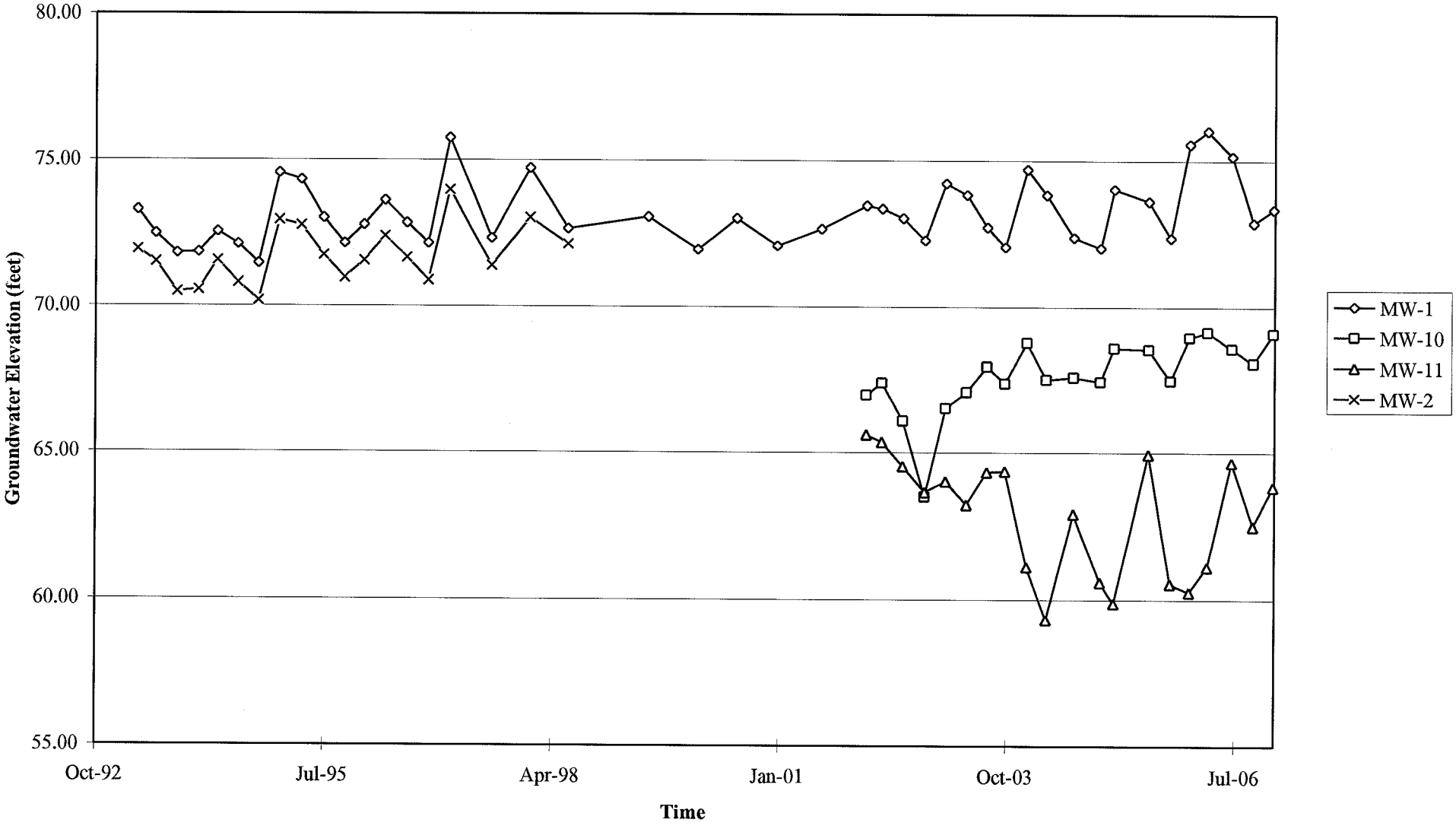
FIGURE 5

TRC

PS=1:1 1871-003-L: \Graphics \ProjectsByNumber \20-xxxx \20-0400(UnocalQMS) \x-1000 \1871+ \1871QMS.DWG Jan 10, 2007 - 1:22pm akers

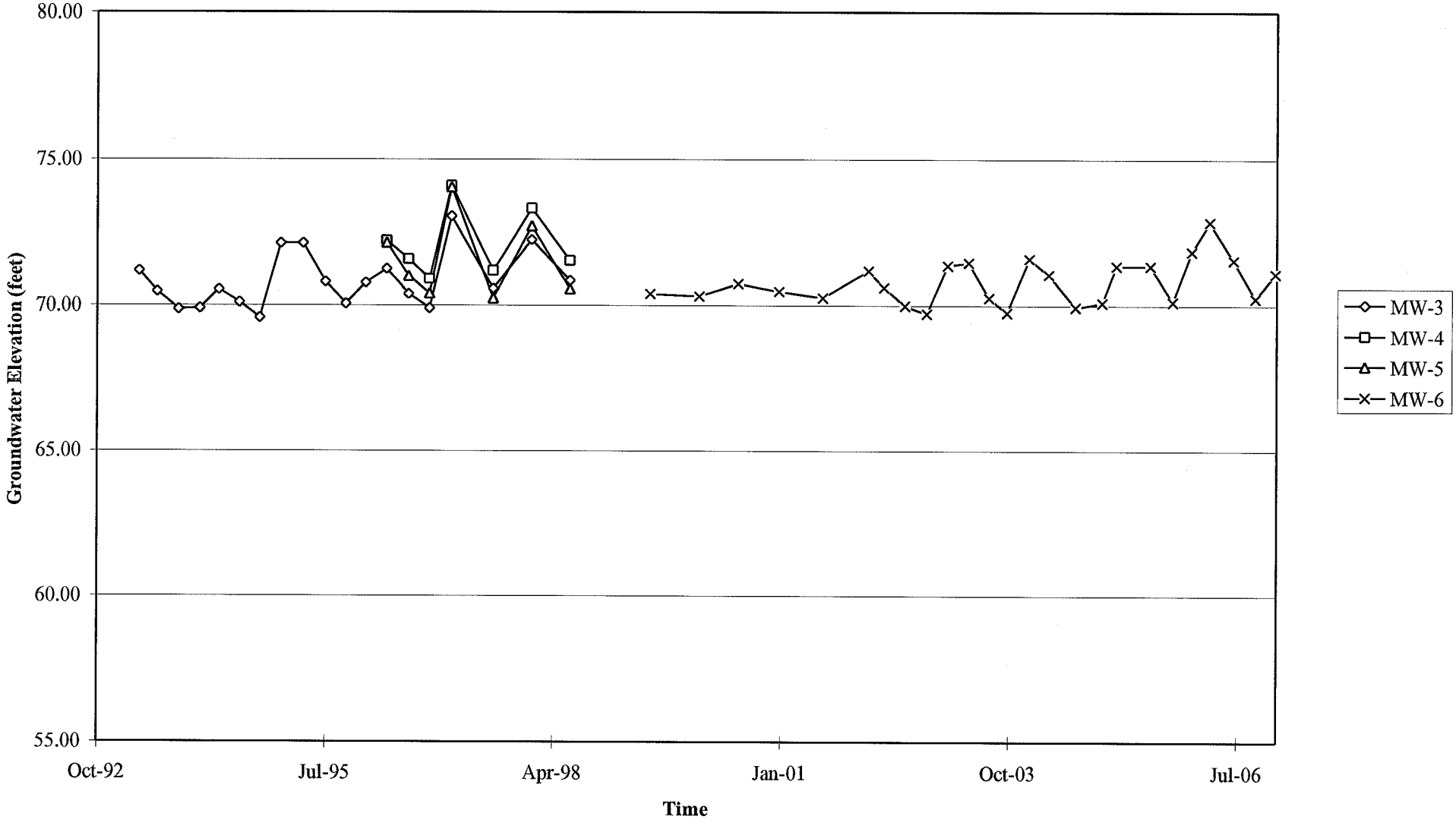
GRAPHS

Groundwater Elevations vs. Time
76 Station 1871



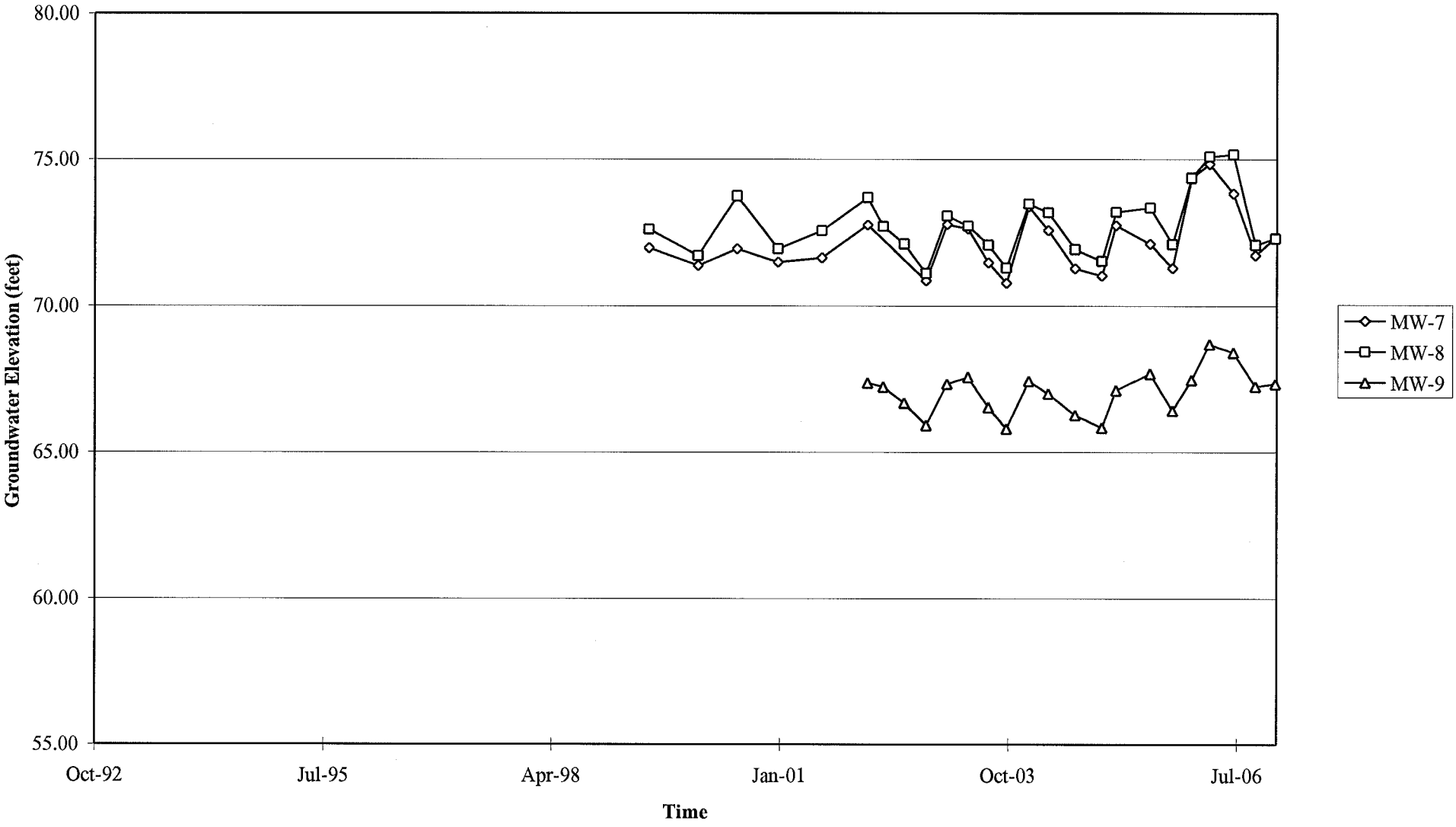
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 1871



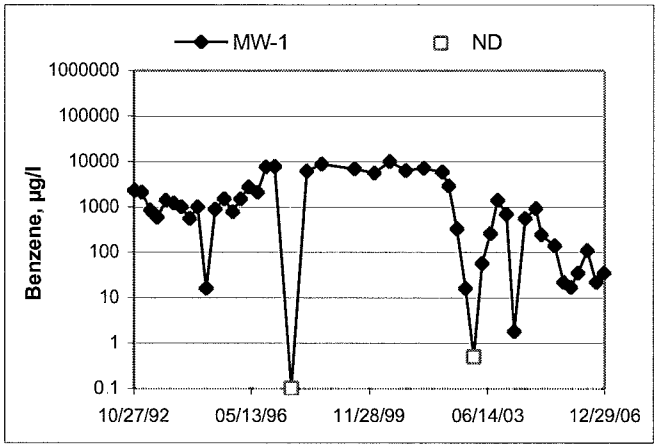
Elevations may have been corrected for apparent changes due to resurvey

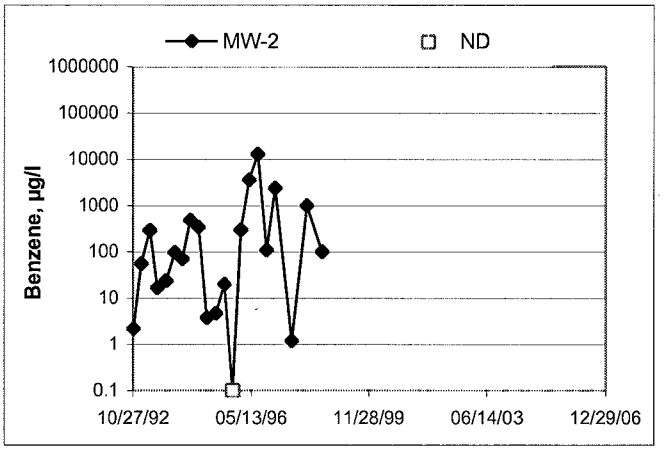
Groundwater Elevations vs. Time
76 Station 1871

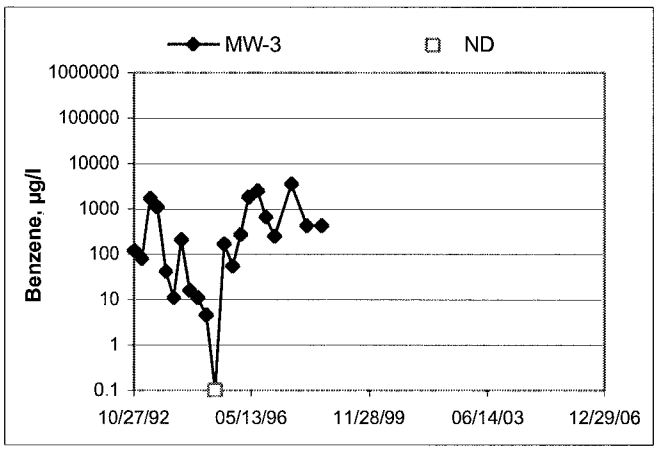


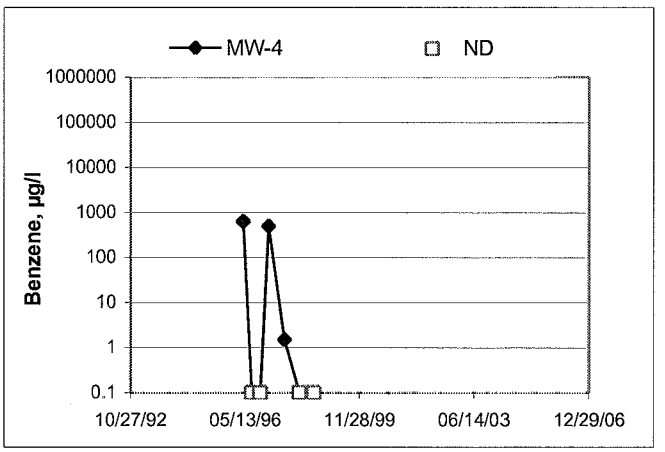
Elevations may have been corrected for apparent changes due to resurvey

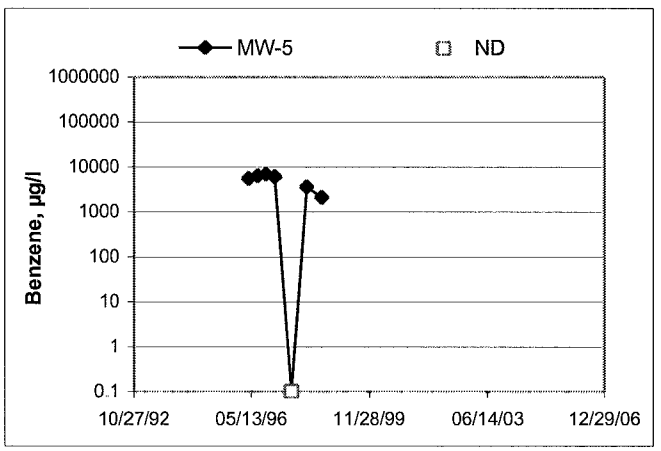
Benzene Concentrations vs Time
76 Station 1871

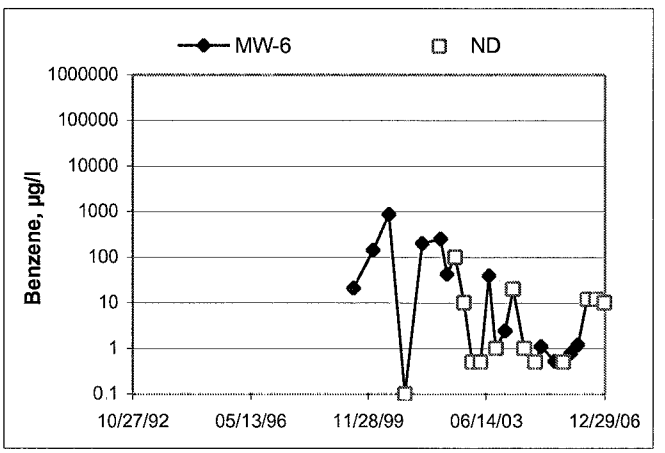


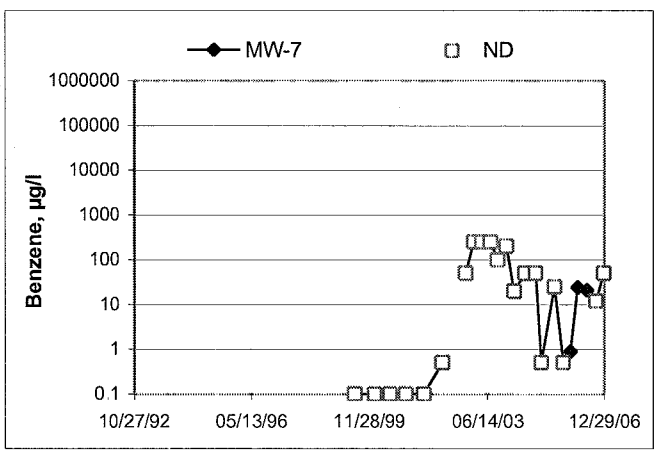


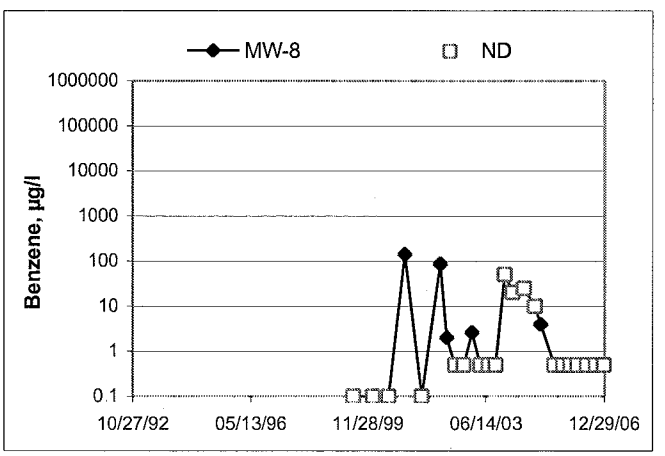




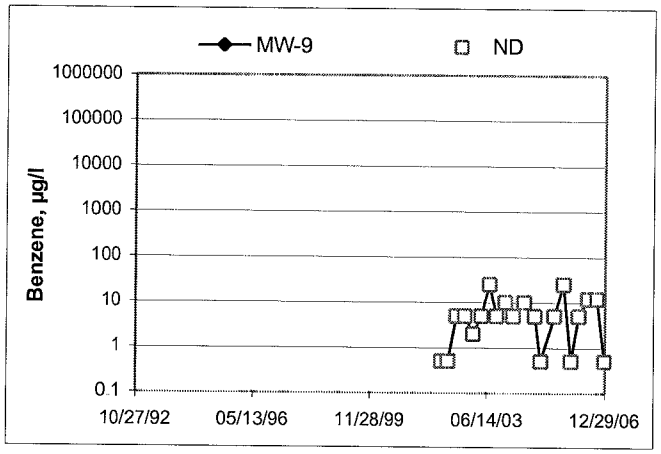


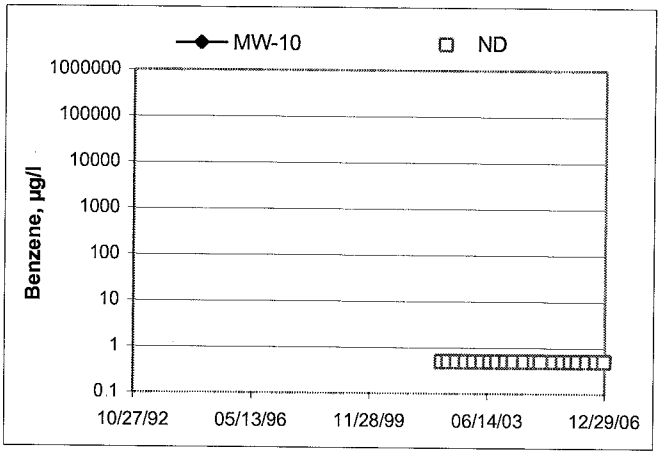


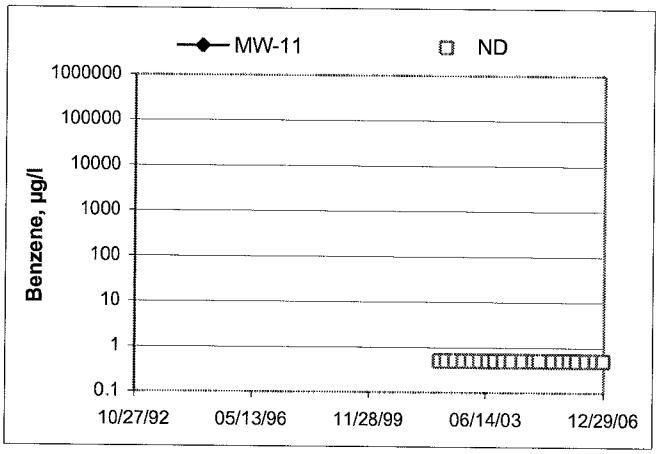




Benzene Concentrations vs Time
76 Station 1871







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 measurements 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, sample time, and the sampler's 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 the 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 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 wells, 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: JOE Job #/Task #: 41060001 Date: 12-22-06

Site # 1871 Project Manager A. Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-11	0538	X	30.04	13.48	—	—	1020	2"
MW-8	0550	X	24.28	9.42	—	—	0835	2"
MW-10	0605	X	19.97	5.90	—	—	1053	2"
MW-7	0618	X	24.30	8.35	—	—	1107	2"
MW-6	0624	X	24.50	8.60	—	—	1115	2"
MW-9	0633	X	19.82	14.75	—	—	1130	2"
MW-1	0645	X	23.97	13.66	—	—	1006	4" ~~1006~~ JC

FIELD DATA COMPLETE ✓	QA/QC ✓	COC ✓	WELL BOX CONDITION SHEETS ✓
WTT CERTIFICATE	MANIFEST	DRUM INVENTORY ✓	TRAFFIC CONTROL ✓

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site 1871 Project No. 41060001 Date 12-22-06

Well No. MW-11 Purge Method DTA

Depth to Water (feet) 13.48 Depth to Product (feet) —

Total Depth (feet) 30.04 LPH & Water Recovered (gallons) —

Water Column (feet) 16.56 Casing Diameter (Inches) 2"

80% Recharge Depth(feet) 16.79 1 Well Volume (gallons) 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0900			3	2265	13.5	7.01	4.35	46	
			6	2290	15.1	7.05	4.26	42	
	0903		9	2242	15.2	7.08	3.81	44	

Static at Time Sampled	Total Gallons Purged	Sample Time
20.10	9	1020

Comments: DID NOT Recharge In 2 Hours

Well No. MW-8 Purge Method DTA

Depth to Water (feet) 9.42 Depth to Product (feet) —

Total Depth (feet) 24.28 LPH & Water Recovered (gallons) —

Water Column (feet) 14.86 Casing Diameter (Inches) 2"

80% Recharge Depth(feet) 12.39 1 Well Volume (gallons) 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0823			3	676.9	15.9	6.74	2.40	66	
			6	676.2	17.0	6.67	1.92	14	
	0825		9	665.5	17.5	6.65	1.80	12	

Static at Time Sampled	Total Gallons Purged	Sample Time
10.40	9	0835

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871 Project No.: 41060001 Date: 12-22-06

Well No. MW-10 Purge Method: DTA

Depth to Water (feet): 5.90 Depth to Product (feet): —

Total Depth (feet) 19.97 LPH & Water Recovered (gallons): —

Water Column (feet): 14.07 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 8.71 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O.	ORP	Turbidity
0851			2	528.2	13.9	7.44	3.00	107	
			4	540.1	14.7	7.13	2.75	93	
	0852		6	556.9	14.8	7.15	3.20	85	

Static at Time Sampled	Total Gallons Purged	Sample Time
10.62	6	1053

Comments: DID NOT Recharge In 2 Hours

Well No. MW-7 Purge Method: DTA

Depth to Water (feet): 8.35 Depth to Product (feet): —

Total Depth (feet) 24.30 LPH & Water Recovered (gallons): —

Water Column (feet) 15.95 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): _____ 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O.	ORP	Turbidity
0910			3	510.1	16.1	7.07	2.03	-86	
			6	512.7	18.0	7.00	2.00	-104	
	0911		9	512.2	18.0	7.02	2.25	-101	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.67	9	1107

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871 Project No.: 41060001 Date: 12-22-06

Well No. MW-6 Purge Method: DIA

Depth to Water (feet): 8.60 Depth to Product (feet): —

Total Depth (feet) 24.50 LPH & Water Recovered (gallons): —

Water Column (feet) 15.90 Casing Diameter (Inches): 2"

80% Recharge Depth(feet) 11.78 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O.	ORP	Turbidity
0924			3	893.6	16.9	6.73	4.03	-46	
			6	893.4	18.1	6.69	3.49	-57	
	0926		9	830.4	18.5	7.11	4.22	-67	

Static at Time Sampled	Total Gallons Purged	Sample Time
8.73	9	1115

Comments:

Well No. MW-9 Purge Method: JZ ~~HB~~ DEA

Depth to Water (feet) 14.75 Depth to Product (feet) —

Total Depth (feet) 19.82 LPH & Water Recovered (gallons): —

Water Column (feet) 5.07 Casing Diameter (Inches): 2"

80% Recharge Depth(feet) 15.76 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F (C))	pH	D.O.	ORP	Turbidity
0940			1	630.9	15.1	6.75	4.89	-44	
			2	607.9	15.9	7.10	8.97	-67	
	0941		3	613.3	15.9	7.20	9.15	-73	
			4	611.4	15.7	7.16	9.00	-70	

Static at Time Sampled	Total Gallons Purged	Sample Time
14.90	4	1130

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871 Project No.: 41060001 Date: 12-22-06

Well No. MW-1 Purge Method DFA

Depth to Water (feet): 13.66 Depth to Product (feet): —

Total Depth (feet): 23.97 LPH & Water Recovered (gallons): —

Water Column (feet): 10.31 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 15.72 1 Well Volume (gallons): 7

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0734			7	450.4	18.0	6.72	2.35	-121	
			14	534.4	18.3	6.61	1.42	-108	
	0741		21	630.8	16.9	7.36	6.80	-72	

Static at Time Sampled	Total Gallons Purged	Sample Time
17.36	19	1006

Comments: WENT DRY AT 19 GALS. TOOK 3RD READING AT 19 GALS. DID NOT RECHARGE IN 45 MINS. DID NOT RECHARGE IN 2 HOURS

Well No. _____ Purge Method _____

Depth to Water (feet): _____ Depth to Product (feet): _____

Total Depth (feet): _____ LPH & Water Recovered (gallons): _____

Water Column (feet): _____ Casing Diameter (Inches): _____

80% Recharge Depth(feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

BC LABORATORIES, INC.

Date of Report: 01/02/2007

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 1871
BC Work Order: 0613467

Enclosed are the results of analyses for samples received by the laboratory on 12/22/2006 19:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 1871 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/02/2007 10:19

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613467-01	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 10:20	Global ID: T0600101493
	Sampling Location:	MW-11	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-11	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:
0613467-02	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 08:35	Global ID: T0600101493
	Sampling Location:	MW-8	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-8	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:
0613467-03	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 10:53	Global ID: T0600101493
	Sampling Location:	MW-10	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-10	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:
0613467-04	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 11:07	Global ID: T0600101493
	Sampling Location:	MW-7	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:
0613467-05	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 11:15	Global ID: T0600101493
	Sampling Location:	MW-6	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0613467-06	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 11:30	Global ID: T0600101493
	Sampling Location:	MW-9	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-9	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:
0613467-07	**COC Number:**	---	**Receive Date:**	12/22/2006 00:00	Delivery Work Order:
	Project Number:	1871	**Sampling Date:**	12/22/2006 10:06	Global ID: T0600101493
	Sampling Location:	MW-1	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Joe of TRCI			Cooler ID:

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-01 | **Client Sample Name:** 1871, MW-11, MW-11, 12/22/2006 10:20:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
Ethylbenzene	2.1	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
Total Xylenes	5.4	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	V11
Total Purgeable Petroleum Hydrocarbons	55	ug/L	50		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450	ND	
1,2-Dichloroethane-d4 (Surrogate)	80.8	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450		
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:30	DKC	MS-V6	1	BPL1450		

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-02 | **Client Sample Name:** 1871, MW-8, MW-8, 12/22/2006 8:35:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
Methyl t-butyl ether	16	ug/L	0.50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
Total Xylenes	0.50	ug/L	0.50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	V11
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450	ND	
1,2-Dichloroethane-d4 (Surrogate)	84.8	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450		
Toluene-d8 (Surrogate)	96.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450		
4-Bromofluorobenzene (Surrogate)	93.8	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 02:02	DKC	MS-V6	1	BPL1450		

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 1871 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-03 | **Client Sample Name:** 1871, MW-10, MW-10, 12/22/2006 10:53:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
Methyl t-butyl ether	8.5	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	V11
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450	ND	
1,2-Dichloroethane-d4 (Surrogate)	84.5	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450		
Toluene-d8 (Surrogate)	95.5	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450		
4-Bromofluorobenzene (Surrogate)	94.3	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/27/06 23:55	DKC	MS-V6	1	BPL1450		

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-04 | **Client Sample Name:** 1871, MW-7, MW-7, 12/22/2006 11:07:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	50		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01
Ethylbenzene	ND	ug/L	50		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01
Methyl t-butyl ether	190	ug/L	25		EPA-8260	12/27/06	12/28/06 00:20	DKC	MS-V6	50	BPL1450	ND	A01
Toluene	ND	ug/L	50		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01
Total Xylenes	ND	ug/L	50		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01
Ethanol	ND	ug/L	25000		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01,V11
Total Purgeable Petroleum Hydrocarbons	24000	ug/L	5000		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504		
1,2-Dichloroethane-d4 (Surrogate)	80.7	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:20	DKC	MS-V6	50	BPL1450		
Toluene-d8 (Surrogate)	95.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504		
Toluene-d8 (Surrogate)	97.8	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:20	DKC	MS-V6	50	BPL1450		
4-Bromofluorobenzene (Surrogate)	92.8	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:20	DKC	MS-V6	50	BPL1450		
4-Bromofluorobenzene (Surrogate)	98.6	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 01:20	DKC	MS-V6	100.00	BPL1504		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-05 | **Client Sample Name:** 1871, MW-6, MW-6, 12/22/2006 11:15:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	10		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01
Ethylbenzene	ND	ug/L	10		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01
Methyl t-butyl ether	600	ug/L	25		EPA-8260	12/27/06	12/28/06 00:46	DKC	MS-V6	50	BPL1450	ND	A01
Toluene	ND	ug/L	10		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01
Total Xylenes	ND	ug/L	10		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01
Ethanol	ND	ug/L	5000		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01,V11
Total Purgeable Petroleum Hydrocarbons	9100	ug/L	1000		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504		
1,2-Dichloroethane-d4 (Surrogate)	81.9	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:46	DKC	MS-V6	50	BPL1450		
Toluene-d8 (Surrogate)	97.3	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504		
Toluene-d8 (Surrogate)	96.5	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:46	DKC	MS-V6	50	BPL1450		
4-Bromofluorobenzene (Surrogate)	99.5	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 00:46	DKC	MS-V6	50	BPL1450		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:54	DKC	MS-V6	20	BPL1504		

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 1871 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-06 | **Client Sample Name:** 1871, MW-9, MW-9, 12/22/2006 11:30:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	
Methyl t-butyl ether	1100	ug/L	25		EPA-8260	12/27/06	12/28/06 01:11	DKC	MS-V6	50	BPL1450	ND	A01
Toluene	ND	ug/L	0.50		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	V11
Total Purgeable Petroleum Hydrocarbons	680	ug/L	50		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504		
1,2-Dichloroethane-d4 (Surrogate)	83.1	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:11	DKC	MS-V6	50	BPL1450		
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:11	DKC	MS-V6	50	BPL1450		
Toluene-d8 (Surrogate)	94.4	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/29/06 00:29	DKC	MS-V6	1	BPL1504		
4-Bromofluorobenzene (Surrogate)	93.8	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:11	DKC	MS-V6	50	BPL1450		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0613467-07 | **Client Sample Name:** 1871, MW-1, MW-1, 12/22/2006 10:06:00AM, Joe

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	35	ug/L	5.0		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
Ethylbenzene	370	ug/L	5.0		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
Methyl t-butyl ether	210	ug/L	5.0		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
Toluene	ND	ug/L	5.0		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
Total Xylenes	850	ug/L	5.0		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
Ethanol	ND	ug/L	2500		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01,V11
Total Purgeable Petroleum Hydrocarbons	7300	ug/L	500		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	84.6	%	76 - 114 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450		
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450		
4-Bromofluorobenzene (Surrogate)	99.8	%	86 - 115 (LCL - UCL)		EPA-8260	12/27/06	12/28/06 01:36	DKC	MS-V6	10	BPL1450		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BPL1450	Matrix Spike	0612868-25	0	30.517	25.000	ug/L		122		70 - 130	
		Matrix Spike Duplicate	0612868-25	0	30.896	25.000	ug/L	1.6	124	20	70 - 130	
Toluene	BPL1450	Matrix Spike	0612868-25	0	24.024	25.000	ug/L		96.1		70 - 130	
		Matrix Spike Duplicate	0612868-25	0	23.938	25.000	ug/L	0.3	95.8	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BPL1450	Matrix Spike	0612868-25	ND	8.1085	10.000	ug/L		81.1		76 - 114	
		Matrix Spike Duplicate	0612868-25	ND	8.1890	10.000	ug/L		81.9		76 - 114	
Toluene-d8 (Surrogate)	BPL1450	Matrix Spike	0612868-25	ND	9.6587	10.000	ug/L		96.6		88 - 110	
		Matrix Spike Duplicate	0612868-25	ND	9.5692	10.000	ug/L		95.7		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPL1450	Matrix Spike	0612868-25	ND	9.6334	10.000	ug/L		96.3		86 - 115	
		Matrix Spike Duplicate	0612868-25	ND	9.8028	10.000	ug/L		98.0		86 - 115	
Benzene	BPL1504	Matrix Spike	0613555-01	0	18.970	25.000	ug/L		75.9		70 - 130	
		Matrix Spike Duplicate	0613555-01	0	19.191	25.000	ug/L	1.2	76.8	20	70 - 130	
Toluene	BPL1504	Matrix Spike	0613555-01	0	24.602	25.000	ug/L		98.4		70 - 130	
		Matrix Spike Duplicate	0613555-01	0	24.736	25.000	ug/L	0.5	98.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BPL1504	Matrix Spike	0613555-01	ND	10.331	10.000	ug/L		103		76 - 114	
		Matrix Spike Duplicate	0613555-01	ND	10.700	10.000	ug/L		107		76 - 114	
Toluene-d8 (Surrogate)	BPL1504	Matrix Spike	0613555-01	ND	9.4907	10.000	ug/L		94.9		88 - 110	
		Matrix Spike Duplicate	0613555-01	ND	9.4052	10.000	ug/L		94.1		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPL1504	Matrix Spike	0613555-01	ND	10.454	10.000	ug/L		105		86 - 115	
		Matrix Spike Duplicate	0613555-01	ND	10.661	10.000	ug/L		107		86 - 115	

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BPL1450	BPL1450-BS1	LCS	30.073	25.000	0.50	ug/L	120		70 - 130		
Toluene	BPL1450	BPL1450-BS1	LCS	23.406	25.000	0.50	ug/L	93.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPL1450	BPL1450-BS1	LCS	8.0335	10.000		ug/L	80.3		76 - 114		
Toluene-d8 (Surrogate)	BPL1450	BPL1450-BS1	LCS	9.5217	10.000		ug/L	95.2		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPL1450	BPL1450-BS1	LCS	9.6531	10.000		ug/L	96.5		86 - 115		
Benzene	BPL1504	BPL1504-BS1	LCS	19.856	25.000	0.50	ug/L	79.4		70 - 130		
Toluene	BPL1504	BPL1504-BS1	LCS	26.184	25.000	0.50	ug/L	105		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPL1504	BPL1504-BS1	LCS	10.675	10.000		ug/L	107		76 - 114		
Toluene-d8 (Surrogate)	BPL1504	BPL1504-BS1	LCS	9.7094	10.000		ug/L	97.1		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPL1504	BPL1504-BS1	LCS	10.297	10.000		ug/L	103		86 - 115		

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Irvine, CA 92618-2302

Project: 1871
Project Number: [none]
Project Manager: Anju Farfan

Reported: 01/02/2007 10:19

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPL1450	BPL1450-BLK1	ND	ug/L	0.50		
Ethylbenzene	BPL1450	BPL1450-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BPL1450	BPL1450-BLK1	ND	ug/L	0.50		
Toluene	BPL1450	BPL1450-BLK1	ND	ug/L	0.50		
Total Xylenes	BPL1450	BPL1450-BLK1	ND	ug/L	1.0		
Ethanol	BPL1450	BPL1450-BLK1	ND	ug/L	1000		
Total Purgeable Petroleum Hydrocarbons	BPL1450	BPL1450-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BPL1450	BPL1450-BLK1	83.0	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPL1450	BPL1450-BLK1	94.6	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPL1450	BPL1450-BLK1	94.8	%	86 - 115 (LCL - UCL)		
Benzene	BPL1504	BPL1504-BLK1	ND	ug/L	0.50		
Ethylbenzene	BPL1504	BPL1504-BLK1	ND	ug/L	0.50		
Toluene	BPL1504	BPL1504-BLK1	ND	ug/L	0.50		
Total Xylenes	BPL1504	BPL1504-BLK1	ND	ug/L	0.50		
Ethanol	BPL1504	BPL1504-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BPL1504	BPL1504-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BPL1504	BPL1504-BLK1	100	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPL1504	BPL1504-BLK1	97.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPL1504	BPL1504-BLK1	99.3	%	86 - 115 (LCL - UCL)		

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 1871 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 01/02/2007 10:19

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A53	Chromatogram not typical of gasoline.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 06-13467 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID BW Emissivity 0.98
Temperature: 1.5 °C Container Qta
Thermometer ID: #48

Date/Time 12/22/06
Analyst Init OTO

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A:3	A:3	A:3	A:3	A:3	A:3	A:3			
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____
Sample Numbering Completed By: OTO Date/Time: 12/22/06 2300

CHK BY DISTRIBUTION SUB-OUT

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

06-13467

Circle one: Phillips 66 / Unocal

Address: 66 MacArthur Blvd.

City: Oakland

State: CA **Zip:**

COP Manager: Shelby Lathrop

Consultant Firm: TRC
21 Technology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan

4-digit site#: 1871

Work Order# 01120-4506956696

Project #: 41060001

Sampler Name: JOE LEWIS

MATRIX
(GW) Groundwater
(S) Soil
(WW) Wastewater
(SL) Sludge

Analysis Requested

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, TPH-g by 8015	TPH -g by 8015M	TPH -D by 8015	TPH-g by GC/MS	BTEX/MTBE/~~OXYS~~ BY 8260B	EDB/EDC by 8260B	ETHANOL by 8260B				Turnaround Time Requested
	-1	MW-11	12-22-06 1020	GW				X	X		X				STD
	-2	MW-8	12-22-06 0835	GW				X	X		X				STD
	-3	MW-10	12-22-06 1053	GW				X	X		X				STD
	-4	MW-7	12-22-06 1107	GW				X	X		X				STD
	-5	MW-6	12-22-06 1115	GW				X	X		X				STD
	-6	MW-9	12-22-06 1130	GW				X	X		X				STD
	-7	MW-1	12-22-06 1006	GW				X	X		X				STD

Comments:

Global ID: T0600101493

	Received by:	Date & Time:
Relinquished by: Joe D. Lewis	Refrigerator	12-22-06 1330
Relinquished by (Signature): Joe D. Lewis	Ross Dickey	12/22/06 1345
Relinquished by (Signature): Ross Dickey 12/22/06	J Macato	12/22/06 1545

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Rel J Macato 12/22/06 1915 Teri Obafemi 12/22/06 1915

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, Calif ornia. 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 pr ovided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid -phase hydrocarbons was accumulated separately in drums 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 prac tice 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 so lely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.

environ strategy consultants, inc.

30 Hughes, Suite 209
Irvine, California 92618
tel 949.581.3222
fax 949.581.3207

January 8, 2007

Project No. 328-A

Mr. Keith Woodburne, R.G.
Senior Project Geologist
TRC Solutions, Inc.
1590 Solano Way, Suite A
Concord, CA 94520

Fourth Quarter 2006
Ozone Injection System O&M Report
76 Service Station No. 1871
96 MacArthur Boulevard
Oakland, California

Dear Mr. Woodburne:

Environ Strategy Consultants, Inc. is pleased to submit this ozone injection system operation and maintenance (O&M) report for 76 Service Station No. 1871, located at 96 MacArthur Boulevard, Oakland, California. An ozone injection system was started on June 23, 2003 to remediate hydrocarbon-impacted groundwater.

Type of Remediation System:	Ozone Injection System
Operation Data During: Reporting Period: Oct. 1, 2006 – Dec. 31, 2006	Operated 95 days during the period Hours of Operation: 702
System Operation Data Since Startup: June 23, 2003	Total Hours of Operation: 10,983
Note: System down time occurred throughout the fourth quarter of 2006 due to tripped ozone sensor and tripped GFI.	

Environ Strategy appreciates the opportunity to be of service. If you have any questions or require additional information regarding this report, please do not hesitate to call us at (949) 581-3222.

Respectfully submitted,

Hung Tran
Staff Engineer

Jinghui Niu, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
JINGHUI NIU
C 051072
Exp. 9/30/07
CIVIL
STATE OF CALIFORNIA

Attachments: Figure - Site Plan

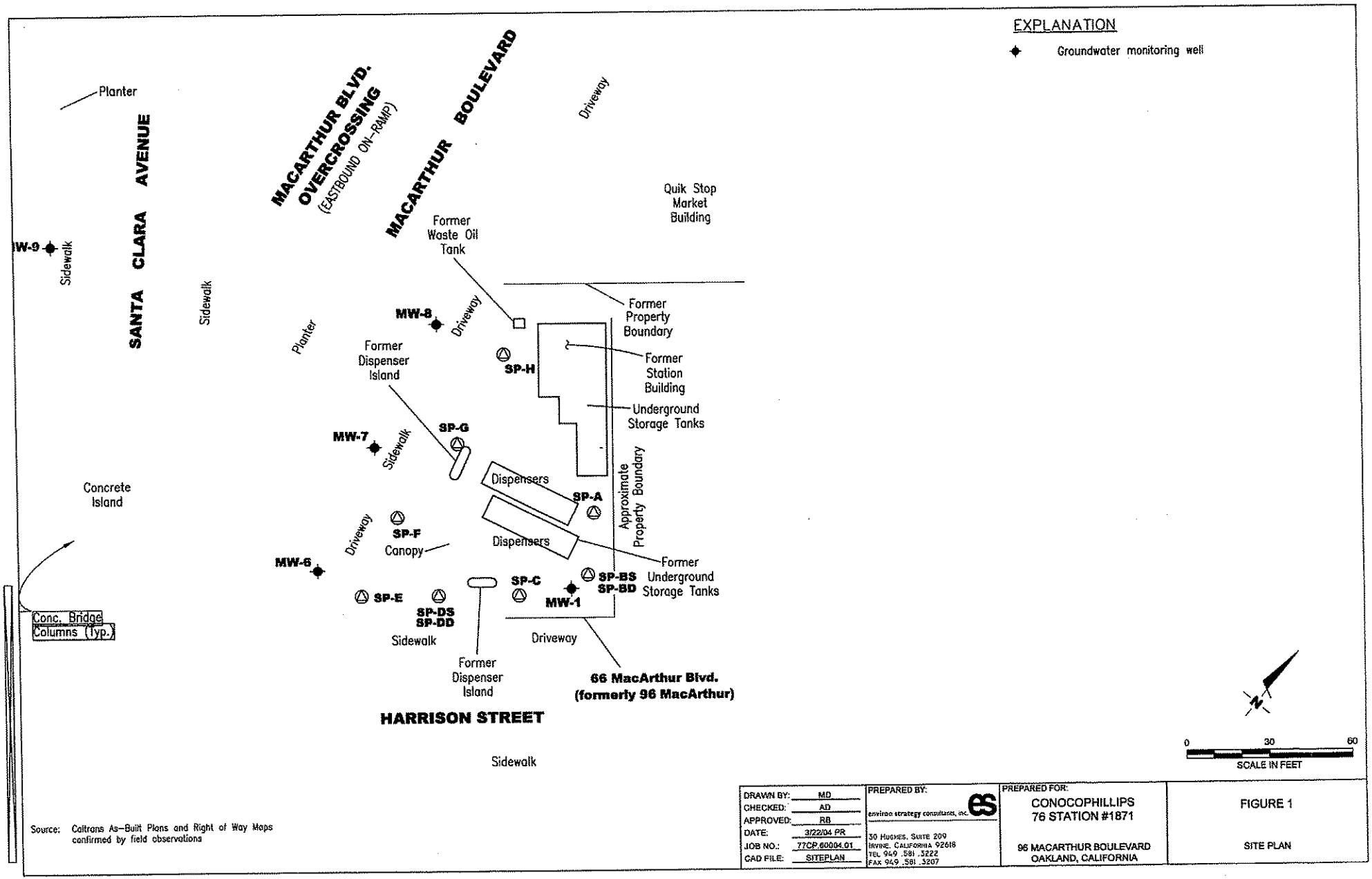
Table 1 - Ozone Injection - System Operation Data
Table 2 - Ozone Injection - Groundwater Monitoring Data

Graph 1 - MW-1 TPHg, Benzene, and MtBE Groundwater Concentrations
Graph 2 - MW-7 TPHg, Benzene, and MtBE Groundwater Concentrations

Appendix A – Field Notes

cc: Shelby Lathrop, ConocoPhillips Company (electronic copy)

Figure



Source: Caltrans As-Built Plans and Right of Way Maps confirmed by field observations

DRAWN BY:	MD
CHECKED:	AD
APPROVED:	RB
DATE:	3/22/04 PR
JOB NO.:	77CP.60004.01
CAD FILE:	SITEPLAN

PREPARED BY:
environ strategy consultants, inc.
30 Hughes, Suite 209
Irvine, California 92618
Tel 949 .581 .5222
Fax 949 .581 .5207

PREPARED FOR:
CONOCOPHILLIPS
76 STATION #1871
96 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

FIGURE 1
SITE PLAN

Tables

Table 1
Ozone Injection - System Operation Data
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California

		OZONE SPARGE SYSTEM						OZ-1	OZ-2	OZ-3	OZ-4	OZ-5	OZ-6	OZ-7	OZ-8	OZ-9	OZ-10
Date	Notes	System Status (On/Off) Arrival	System Status (On/Off) Departure	Hourmeter Reading	Period Online Factor	Cumulative Online Factor	Ozone Injected (lbs)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)
6/23/03		On	On	8807.26	--	0.95	--	20	18	19	20	21	23	20	26	14	26
7/16/03		Off	On	8850.46	0.09	0.95	0.39	27	18	31	40	28	29	31	38	24	25
8/30/03		On	On	9180.61	0.35	0.95	2.97	17	15	17	19	19	19	20	26	19	26
9/18/03		On	On	9327.43	0.37	0.95	1.32	13.5	14.7	17.0	16.3	16.0	19.7	16.8	19.8	15.7	20
10/16/03		On	On	--	--	0.95	--	27.0	19.5	40.8	39.0	40.8	38.5	34.2	46.4	24.2	39.8
11/17/03		On	On	9896.55	0.29	0.95	--	11.0	20.0	17.0	18.0	17.5	17.0	16.0	21.0	51.0	22.0
12/5/03		On	On	9804.98	0.29	0.95	0.98	33.0	21.0	44.0	40.0	43.0	39.0	33.5	44.0	26.0	33.0
1/16/04		On	On	10471.28	0.76	0.95	6.00	12.5	11.0	18.5	16.5	17.5	17.0	16.0	20.0	16.0	20.0
2/3/04		On	On	10727.69	0.68	0.95	2.31	12.3	11.5	18.2	16.5	18.2	17.3	16.0	19.0	16.0	18.2
3/24/04		On	On	11424.95	0.66	0.95	6.28	31.0	18.3	37.5	26.0	34.0	33.2	32.3	41.5	23.0	31.0
4/14/04		On	On	11676.10	0.57	0.95	2.26	32.0	19.0	38.7	26.0	37.7	37.1	32.8	41.8	23.8	29.5
4/15/04	a	On	On	11685.29	0.44	0.95	0.08	--	--	--	--	--	--	--	--	--	--
4/16/04	a	On	On	11693.80	0.41	0.95	0.08	--	--	--	--	--	--	--	--	--	--
4/19/04	a	On	On	11742.90	0.78	0.95	0.44	--	--	--	--	--	--	--	--	--	--
4/23/04	a	On	On	11773.10	0.36	0.95	0.27	--	--	--	--	--	--	--	--	--	--
5/4/04		Off	On	11837.70	0.28	0.95	0.58	32.2	20.5	39.4	36.2	38.1	32.0	33.5	60.0	25.8	33.1
5/11/04		On	On	11950.51	0.77	0.95	1.02	32.5	20.0	38.5	29.8	38.8	39.5	34.8	60.0	23.5	35.9
6/14/04	b,c	On	On	12464.64	0.72	0.95	4.63	20.0	21.0	38.8	27.2	37.0	38.2	35.2	60.0	24.0	32.1
7/29/04	d	On	On	844.62	0.99	0.95	7.60	22	15	--	26	35	34	35	--	25	33
8/12/04	e	On	On	1075.97	0.98	0.95	2.08	--	--	--	--	--	--	--	--	--	--
9/10/04		On	On	1490.23	0.85	0.95	3.73	32	32	33	33	21	24	30	20	26	30
10/5/04		On	On	1868.83	0.90	0.95	3.41	31	32	33	31	22	23	31	21	26	28
11/5/04		On	On	2360.90	0.93	0.95	4.43	22	26	12	18	12	22	30	32	26	22
12/2/04	f	Off	Off	2802.02	0.97	0.95	3.97	--	--	--	--	--	--	--	--	--	--
1/13/05		Off	On	2802.07	0.00	0.95	0.00	23	27	15	20	15	23	31	34	28	25
2/25/05	g	Off	Off	2802.42	0.00	0.94	0.00	--	--	--	--	--	--	--	--	--	--
3/8/05	h,i	Off	Off	2802.42	0.00	0.94	0.00	--	--	--	--	--	--	--	--	--	--
4/5/05	i	Off	Off	2802.42	0.00	0.94	0.00	--	--	--	--	--	--	--	--	--	--
5/4/05	j	Off	On	2802.49	0.00	0.94	0.00	14	11	16	12	20	27	25	29	25	31
6/2/05	k	On	On	3407.97	1.00	0.94	5.45	35	25	Off	40	41	36	35	34	27	25
7/7/05	k,l,m	On	On	4067.42	1.29	0.94	5.94	31	23	Off	30	Off	26	32	28	25	Off
8/26/05	n	On	On	4865.98	0.81	0.94	5.39	13	13	Off	14	Off	13	12	12	13	Off
9/23/05	o	On	On	4947.97	0.69	0.94	2.54	16	15	Off	Off	Off	16	16	16	16	Off
10/23/05	p	On	On	5264.28	0.72	0.94	2.85	16	16	Off	Off	Off	16	16	16	16	Off
11/11/05	q,r	On	Off	0.90	--	0.94	--	--	--	--	--	--	--	--	--	--	--
11/15/05	s	Off	On	0.90	0.00	0.94	0.00	35	16	16	22	23	18	23	23	23	24
12/6/05	t	Off	On	2.49	0.01	0.94	0.01	22	20	19	24	24	22	26	23	24	25
1/4/06	u	Off	On	6	0.01	0.94	0.03	20	20	18	17	23	20	25	19	22	20
1/18/06	u	Off	On	203	0.96	0.94	1.77	22	19	19	20	19	18	21	22	22	23
2/1/06	v	Off	On	316	0.55	0.94	1.02	20	20	18	22	22	18	23	23	22	25
2/15/06	v	Off	On	344	0.14	0.94	0.25	20	19	18	17	19	20	23	19	22	20
3/1/06	v	Off	On	417	0.35	0.94	0.66	21	20	19	19	21	17	24	23	21	21
3/16/06	u	Off	On	501	0.38	0.94	0.76	20	19	18	17	19	20	23	20	22	20
3/29/06	u	Off	On	560	0.31	0.94	0.53	20	20	19	19	20	21	25	21	22	21
4/16/06	u	Off	On	624	0.24	0.94	0.58	20	19	18	17	19	20	23	20	23	21
4/25/06	u	Off	On	718	0.71	0.94	0.85	20	20	19	18	20	22	24	21	22	20
5/9/06	u	Off	On	776	0.28	0.94	0.52	20	19	19	17	19	21	22	20	22	20
5/23/06	u	Off	On	834	0.28	0.94	0.52	19	20	18	18	20	20	23	20	23	21
6/6/06	u	Off	On	1042	1.01	0.94	1.87	20	19	18	17	19	20	23	20	22	20
6/20/06	w	Off	On	1206	0.80	0.94	1.48	19	20	18	18	19	20	25	21	23	21
7/7/06	x	Off	Off	1313	0.43	0.94	0.96	--	--	--	--	--	--	--	--	--	--
7/28/06	y	Off	On	1313	0.00	0.94	0.00	19	17	16	19	24	17	22	19	21	23
8/15/06	u	Off	On	1616	1.15	0.94	2.73	19	17	17	16	19	19	23	19	21	21
8/29/06	u	Off	On	1801	0.90	0.94	1.67	19	19	17	17	21	18	21	19	22	23
9/12/06	u	Off	On	2022	1.07	0.94	1.99	23	19	17	16	19	19	25	19	22	21
9/22/06	u	Off	On	2204	1.24	0.94	1.64	21	21	19	20	23	21	26	23	25	27
10/4/06	u	Off	On	2313	0.62	0.94	0.98	18	18	17	18	18	18	25	23	22	21
10/18/06	u	Off	On	2401	0.43	0.94	0.79	20	19	17	16	18	19	20	20	21	27
10/31/06	w	Off	On	2516	0.60	0.94	1.04	22	20	19	20	19	19	23	21	25	23
11/14/06	u	Off	On	2636	0.58	0.94	1.08	18	18	17	17	18	18	22	24	22	24
11/28/06	u	Off	On	2744	0.52	0.94	0.97	20	20	19	20	22	21	25	25	22	23
12/14/06	u	Off	On	2801	0.24	0.94	0.51	19	19	18	18	19	19	22	22	23	22
12/26/06	u	Off	On	2906	0.60	0.94	0.95	20	20	19	20	21	20	25	25	20	24
						Sparge time per cycle (min)		7	7	7	7	7	7	7	7	7	7

Table 1
Ozone Injection - System Operation Data
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California

Reporting Period: Fourth Quarter 2006 (10/01/06 to 12/31/06)
Total Hours Operational: 10,983
Total Pounds Ozone Injected: 99
Period Hours Operational: 702
Period Percent Operational: 31%
Period Pounds Ozone Injected: 6.32

Definitions:

psi	Pounds per square inch
--	Data not available
NA	Not applicable
lbs	Pounds

Notes:

	System cycles through program 18 times per day, for 53% utilization
a	Troubleshooting time counter
b	Hourmeter replaced
c	Solenoid 8 has high pressure, taken offline
d	Solenoid 3 leaking, taken off line
e	Pressures not properly recorded
f	Ozone generator hose ruptured on effluent side to solenoid manifold. No Readings.
g	System down due to bad GFI
h	New GFI was installed.
i	Fan in compressor broken and tubing from compressor to manifold needs to be replaced. System left off until repairs made.
j	Installed new motor fan and manifold fittings, restarted system.
k	OZ-3 turned off due to high pressure of over 60 psi.
l	OZ-5 too brittle. Left off until lines are replaced.
m	OZ-10 turned off due to leak in secondary containment
n	Hourmeter reading not correct, will check next visit
o	Hourmeter not working properly.
p	Pressure gauge stuck at 16 psi.
q	New hourmeter, panel fan, and GFCI installed
r	Fuse blown in ozone generator, system left off
s	Replaced tubing to all wells and replaced ozone generator circuit board and pressure gauge
t	System down due to tripped GFI; foam on door may have been pressing reset button. Foam removed.
u	Ozone sensor tripped; system restarted.
v	Rainbird meter malfunction.
w	System down time due to tripped GFI; system restarted.
x	System off due to bad compressor.
y	Compressor repaired; system restarted.

Table 2
Ozone Injection - Groundwater Monitoring Data
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California

		Monitoring Well: MW-1								Monitoring Well: MW-7							
Date	Notes	ORP (mV)	DO (mg/l)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)	ORP (mV)	DO (mg/l)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (total) (µg/L)	MtBE (µg/L)
4/16/2003	a	NM	NM	510	57	0.62	29	61	160	NM	NM	<25,000	<250	<250	<250	<500	37,000
6/23/2003	a	NM	NM	75	<0.50	<0.50	<0.50	5.3	12	NM	NM	20,000	260	<0.50	<0.50	<1.0	20,000
8/29/2003	a	NM	NM	11,000	64	<10	330	1,400	440	NM	NM	<10,000	<100	<100	<100	<200	24,000
9/18/2003		NM	NM	390	2.3	<0.50	3.6	31	30	NM	NM	--	--	--	--	--	--
10/16/2003		NM	NM	2,100	6.0	<0.50	24.0	120	110	NM	NM	--	--	--	--	--	--
11/17/2003		NM	NM	130	0.51	<0.50	2.1	7.9	43	NM	NM	16,000	<130	<130	<130	<250	17,000
12/5/2003		NM	NM	<50	<0.50	<0.50	<0.50	<1.0	36	NM	NM	12,000	<100	<100	<100	<200	19,000
1/16/2004	b	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	<2.0	NM	NM	17,000	160	270	<130	<250	19,000
2/3/2004		238	NM	<50	<0.50	<0.50	<0.50	<1.0	<2.0	72	NM	10,000	<25	<25	<25	<50	15,000
3/24/2004	b	169	NM	**55**	<0.50	<0.50	**0.80**	**2.9**	**7.8**	56	NM	**13,000**	<100	<100	<100	<200	**15,000**
4/14/2004	b	0.4	NM	**23,000**	**310**	**10**	**590**	**2400**	**1700**	42	NM	**9,000**	<50	<50	<50	<100	**11,000**
5/11/2004		c	NM	**7,800**	**160**	<10	**170**	**700**	**720**	-3	NM	**8,300**	<50	<50	<50	<100	**11,000**
6/14/2004		20	5.25	**110**	<0.50	<0.50	**1.0**	**6.4**	**3.4**	35	1.45	<5,000	<50	<50	<50	<100	**6,500**
7/26/2004		NM	NM	<50	<0.50	<0.50	<0.50	<1.0	**3.2**	NM	NM	<5,000	<50	<50	<50	<100	**3,100**
8/12/2004		171	0.07	<50	<0.50	<0.50	<0.50	<1.0	**0.80**	117	0.06	**2,100**	<10	<10	<10	<20	**2,700**
9/10/2004		180	0.08	<50	<0.50	<0.50	<0.50	<1.0	**5.7**	122	0.07	**3,100**	<13	<13	<13	<25	**4,400**
10/5/2004		175	0.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	117	0.08	<50	<0.50	<0.50	<0.50	<1.0	**7.1**
11/5/2004	d	117	0.05	<50	<0.50	<0.50	<0.50	<1.0	**0.89**	210	0.06	**50**	<0.50	<0.50	<0.50	<1.0	**1.1**
12/2/2004		109	0.03	**83**	**0.83**	<0.50	<0.50	**1.2**	**44**	214	0.03	**180**	**1.6**	<0.50	**66**	**4.5**	**51**
1/13/2005		105	0.04	**1,100**	**26**	**1.2**	**2.10**	**70**	**630**	201	0.05	**1,000**	**25**	**1**	**1.9**	**68**	**460**
2/25/2005	c,f	--	2.67	**24,000**	**350**	**10**	**820**	**2,200**	**1,300**	21	2.05	**680**	<2.0	<2.0	**2.3**	**58**	**2,500**
3/8/2005	g	-35	4.43	**23,000**	**410**	<10	**1,100**	**2,300**	**1,300**	NR	NR	--	--	--	--	--	--
4/5/2005		-30	4.56	**34,000**	**300**	<10	**910**	**2,000**	**1,100**	135	6.53	<5,000	<.50	<.50	<.50	<1.00	**19,000**
5/4/2005		-59	2.40	**26,000**	**220**	**7.4**	**790**	**2,100**	**860**	-24	1.13	<2,000	<0.50	<0.50	<0.50	<1.0	**7,100**
6/2/2005		-20	7.34	<50	<0.50	<0.50	<0.50	<1.0	**3.5**	-12	1.01	**3500**	<0.50	<0.50	<0.50	<1.0	**4,000**
7/7/2005	i,j	142	7.42	<50	<0.50	<0.50	<0.50	<1.0	**0.61**	154	1.40	**5000**	<0.50	<0.50	<0.50	<1.0	**8,900**
9/23/2005		16	7.77	<50	<0.50	<0.50	<0.50	<1.0	<0.50	56	1.39	<500	<5.0	<5.0	<5.0	<10	**1,900**
10/23/2005		154	7.13	<50	<0.50	<0.50	<0.50	<1.0	**0.56**	191	1.59	<250	<2.5	<2.5	<2.5	<5	**680**
11/1/2005	k	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Definitions:

TPHg = Total petroleum hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
µg/L = Micrograms per liter

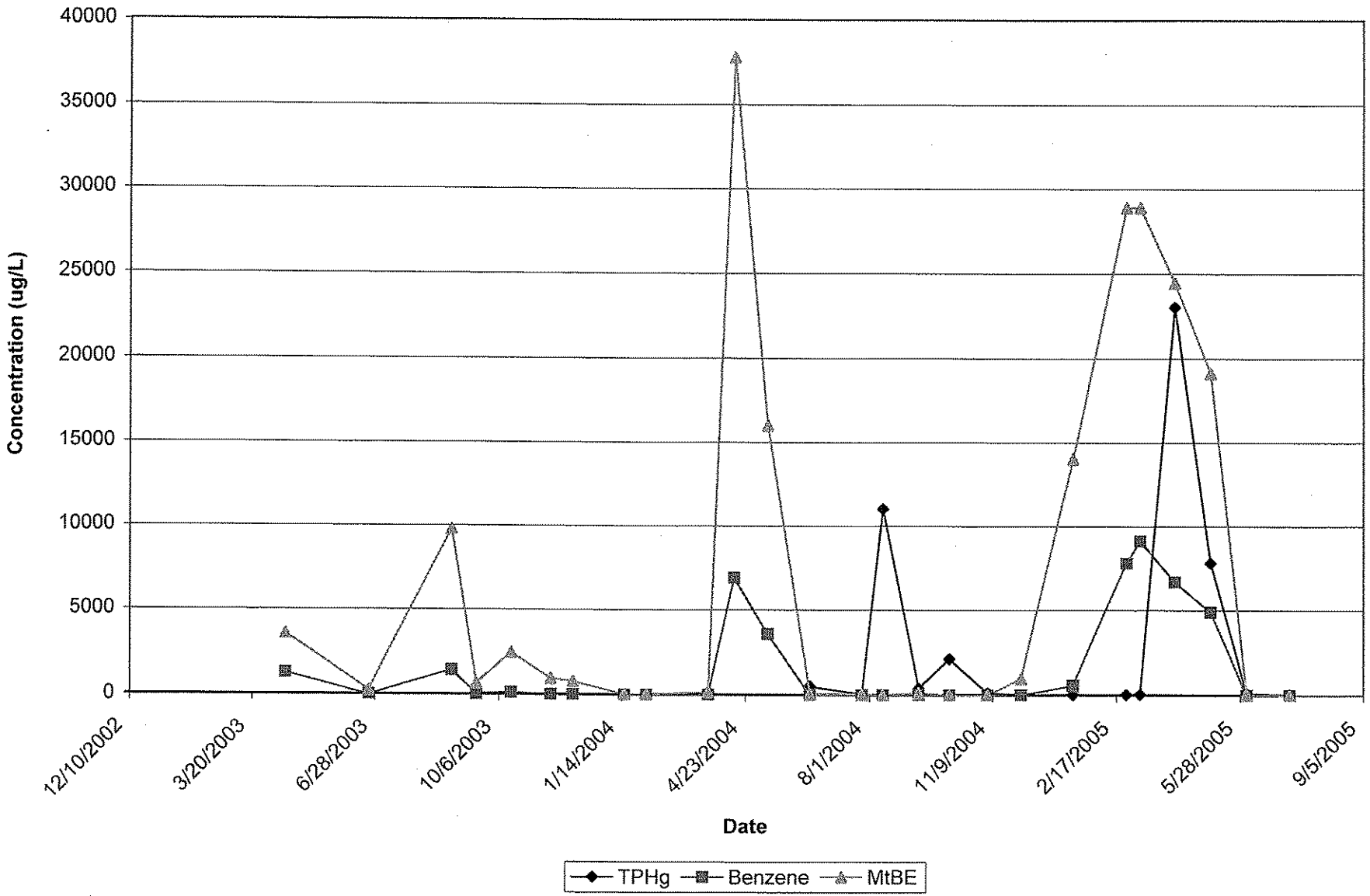
ORP = Oxidation Reduction Potential
DO = Dissolved Oxygen
mV = Millivolts
mg/l = Milligrams per liter

Notes:

-- Data not available
NM Not Measured
a Sampled by Gettler-Ryan, Inc.
b Hydrocarbon in gasoline range does not match laboratory gasoline standard.
c ORP reading under the range
d Quantity of unknown hydrocarbon(s) in sample based on gasoline.
e Data not available at time of reporting
f MW-7 Estimated value of MtBE; concentration exceeded the calibration of analysis
g Car parked on MW-7.
h Data not available at time of reporting
i Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 58 ug/L. (MW-1).
j The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern. (MW-1)
k Sampling discontinued at the request of ConocoPhillips

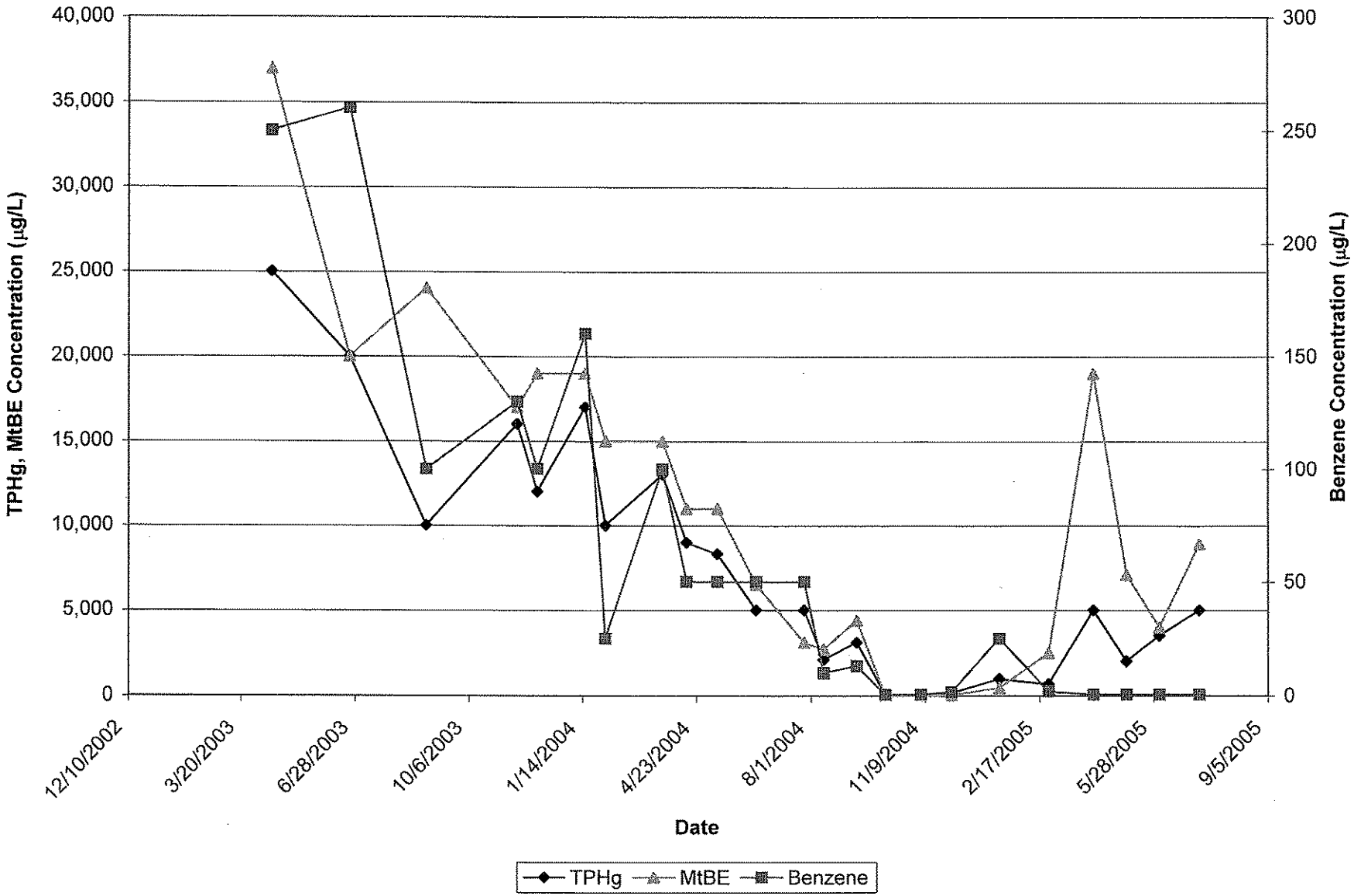
Graphs

Graph 1
MW-1 TPHg, Benzene, and MtBE Groundwater Concentrations
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California



1871 RM&R Ozone Sparge Workbook Dec 06.xls

Graph 2
MW-7 TPHg, Benzene, and MtBE Groundwater Concentrations
76 Service Station No. 1871
96 MacArthur Blvd., Oakland, California



1871 RM&R Ozone Sparge Workbook Dec 06.xls

Appendix A
Field Notes

ConocoPhillips Ozone Injection System Data

Station No. T1871 City: OAKLAND

Date	Notes/ Date Sampled	Status ON/OFF	Cycles/ Day	Hour Meter	Well ID: OZ-1 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-2 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-3 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)
4 Oct 06	A	off / on	18	2313	18		7		18		7		17		7	
18 Oct 06	A	off / on	18	2401	20		7		19		7		17		7	
31 Oct 06	E	off / on	18	2516	22		7		20		7		19		7	
14 Nov 06	A	off / on	18	2636	18		7		18		7		17		7	
28 Nov 06	A	off / on	18	2744	20		7		20		7		19		7	
14 Dec 06	A	off / on	18	2801	19		7		19		7		18		7	
26 Dec 06	A	off / on	18	2906	20		7		20		7		19		7	

Date	Well ID: OZ-4 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-5 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-6 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-7 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)
4 Oct 06	18		7		18		7		18		7		25		7	
18 Oct 06	16		7		18		7		19		7		20		7	
31 Oct 06	20		7		19		7		19		7		23		7	
14 Nov 06	17		7		18		7		18		7		22		7	
28 Nov 06	20		7		22		7		21		7		25		7	
14 Dec 06	18		7		19		7		19		7		22		7	
26 Dec 06	20		7		21		7		20		7		25		7	

Date	Well ID: OZ-8 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-9 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: OZ-10 Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)	Well ID: Pressure (psi)	Temp. (°F)	Run Time (min)	Flowrate (acfm)
4 Oct 06	23		7		22		7		21		7					
18 Oct 06	20		7		21		7		27		7					
31 Oct 06	21		7		25		7		23		7					
14 Nov 06	24		7		22		7		24		7					
28 Nov 06	25		7		22		7		23		7					
14 Dec 06	22		7		23		7		22		7					
26 Dec 06	25		7		20		7		24		7					

Ozone Injection System Maintenance and Inspection Log

Date	Check Hose Fittings Valves	Measure Blower Running Amperage	Check Electrical Fittings and Controller Operation	Adjust Controller Program	Particle Filter Inspect/ Replace	Check Flow Pressure Assembly	Check Well Head Connect	Test all Safety Override Systems
31 Oct 06	OK	—	OK	—	OK	OK	OK	OK
28 Nov 06	OK	—	OK	—	OK	OK	OK	OK
26 Dec 06	OK	—	OK	—	OK	OK	OK	OK

Comments:

Notes: A = System down-breaker thrown B = Hour meter malfunction C = New hour meter installed D = Rainbird meter malfunction E = GFI Tripped