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76 Broadway
Sacramento, California 95818

January 12, 2007

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal
Quarterly Report
Fourth Quarter – 2006
76 Service Station #6034
4700 First Street
Livermore, CA**

Dear Mr. Wickham:

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,

A handwritten signature in black ink that reads "Thomas H. Kosel". The signature is written in a cursive, flowing style.

Thomas Kosel
Risk Management & Remediation

Attachment

January 15, 2007

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Quarterly Summary Report – Fourth Quarter 2006
Delta Project No. C106034031



Dear Mr. Wickham:

On behalf of ConocoPhillips (COP), Delta Environmental Consultants, Inc. (Delta) is forwarding the quarterly summary report for the following location:

Service Station

76 Service Station No. 6034

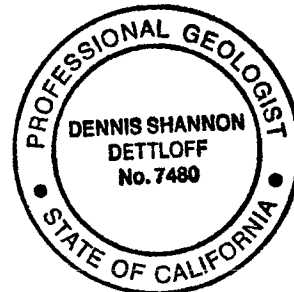
Location

4700 First Street
Livermore, California

Sincerely,
Delta Consultants

Ben Wright
Staff Geologist

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480



cc: Ms. Shelby Lathrop, ConocoPhillips (electronic copy)

QUARTERLY SUMMARY REPORT
Fourth Quarter 2006
76 Service Station No. 6034
4700 First Street
Livermore, California

PREVIOUS ASSESSMENT

Two underground storage tanks (USTs), one waste oil UST, and the product lines were removed from the site in August 1989. Analytical data from soil samples collected beneath the fuel USTs indicated that hydrocarbon concentrations ranged from below the laboratories indicated reporting limits to moderate. The fuel UST pit was subsequently over excavated to a depth of 17.5 feet below ground surface (bgs), where groundwater was encountered, to remove hydrocarbon impacted soil. Petroleum hydrocarbon concentrations in soil samples collected from beneath the waste oil UST were below the laboratories indicated reporting limits.

In October 1989, four monitoring wells (MW-1 through MW-4) were constructed to depths ranging from 26 to 29 feet bgs. Groundwater was encountered at depths ranging from 14.5 to 17.5 feet bgs.

In April 1991, three additional monitor wells (MW-5 through MW-7) were constructed to an average depth of 25 feet bgs. Groundwater was initially encountered at a depth of approximately 16 feet bgs.

In August 1995, an oxygen-releasing compound (magnesium peroxide) was placed in monitoring well MW-2 to enhance biodegradation of petroleum hydrocarbons. Also, a non-attainment zone status was sought from the regulatory agencies.

On October 30, 2003, five soil borings (SB-1 though SB-5) were completed to depths of 20 feet bgs. Methyl tertiary butyl ether (MTBE) was reported in two of the four soil samples analyzed with concentrations ranging from 0.042 to 0.064 milligram per kilogram (mg/kg), which exceeded the applicable Tier 1 environmental screening level (ESL) of the San Francisco Bay Regional Water Quality Control Board of 0.023 mg/kg. In addition, analytical data from the groundwater sample collected from SB-3 indicated that MTBE was present at 13 micrograms per liter ($\mu\text{g/L}$), above the applicable ESL of 5.0 $\mu\text{g/L}$.

On July 21, 2006, soil boring SB-6 was advanced in the vicinity of the USTs to a total depth of 63 feet bgs. Soil samples were collected at 5 feet, 15 feet, 25 feet, 30 feet, and 56 feet bgs. Analytical data from these soil samples indicated that petroleum hydrocarbons were not present above the laboratories indicated reporting limits. Two grab groundwater samples were collected from soil boring SB-6 at 18 feet and 62 feet bgs. Low concentrations of petroleum hydrocarbons were reported in the groundwater sample collected at the depth of 18 feet bgs.

SENSITIVE RECEPTORS

The site is located adjacent to and northwest of Arroyo Seco, an intermittent drainage stream.

GROUNDWATER MONITORING AND SAMPLING

Groundwater at the site is currently monitored and sampled on a semi-annual basis during the second and fourth quarters of each year. During the most recent groundwater monitoring event conducted on November 21, 2006, depth to groundwater ranged from 12.23 feet (MW-5) to 15.62 feet (MW-1) below top of casing (TOC). The groundwater flow direction was calculated to be to the southwest at a gradient of 0.03 foot per foot (ft/ft). Historic groundwater flow directions are shown in Attachment A.

During the November 2006 groundwater sampling event, maximum detectable hydrocarbon concentrations were as follows: total petroleum hydrocarbons as gasoline (TPH-G) (240 µg/L, MW-2), ethyl-benzene (7.6 µg/L, MW-2), total xylenes (8.0 µg/L, MW-2), and MTBE (1.1 µg/L, MW-2). Overall, the dissolved hydrocarbon concentrations are decreasing in monitoring well MW-2.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

CHARACTERIZATION STATUS

Dissolved hydrocarbon concentrations have been present primarily in groundwater samples from monitoring wells MW-2 and MW-4. Groundwater samples from monitoring well MW-2 contained the highest TPH-G (160-240 µg/L) and MTBE (ND<0.50-1.1 µg/L) concentrations during the last three monitoring events. Groundwater in the site area is designated as a possible drinking water source. MTBE levels are well within State of California requirements for drinking water.

RECENT CORRESPONDENCE

The Alameda County Health Agency has acknowledged that the site may be reviewed for no further action, pending receipt of additional documentation such as the current property owner contact information.

THIS QUARTER ACTIVITIES (Fourth Quarter 2006)

1. TRC conducted the semi-annual monitoring and sampling event at the site.

WASTE DISPOSAL SUMMARY

No waste was generated during this reporting period.

NEXT QUARTER ACTIVITIES (First Quarter 2007)

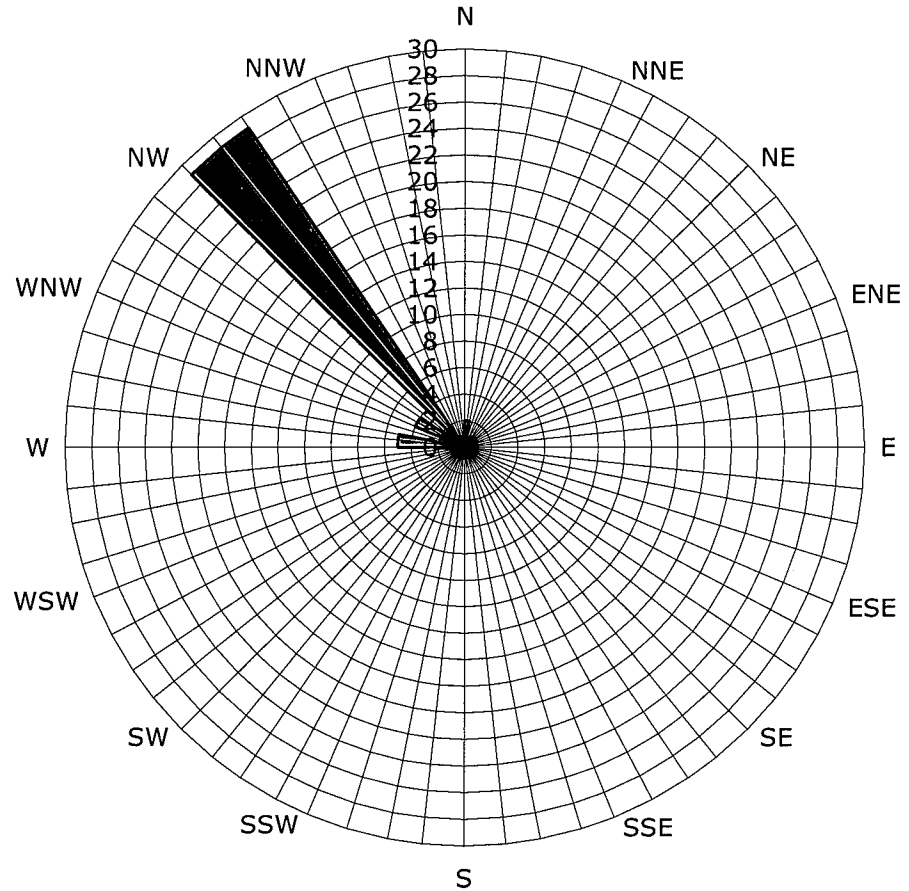
1. Submit to the regulator any required information to facilitate site closure review.
2. Prepare and submit the Fourth Quarter 2006, Quarterly Summary Report.

CONSULTANT: Delta Environmental Consultants, Inc.

Attachment A – Historic Groundwater Flow Directions

Attachment A
Historic Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 6034
4700 First Street
Livermore, California



■ Groundwater Flow Direction

Legend
Concentric circles represent
quarterly monitoring events
First Quarter 1990 through Fourth
Quarter 2006
41 data points shown



December 22, 2006

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MS. SHELBY LATHROP

SITE: 76 STATION 6034
4700 FIRST STREET
LIVERMORE, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
JULY THROUGH DECEMBER 2006

Dear Ms. Lathrop:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 6034, located at 4700 First Street, Livermore, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read 'Anju Farfan'.

Anju Farfan
QMS Operations Manager

CC: Mr. Dennis Dettloff, Delta Environmental Consultants, Inc. (1 copy)

Enclosures
20-0400/6034R11.QMS





**SEMI-ANNUAL MONITORING REPORT
JULY THROUGH DECEMBER 2006**

76 STATION 6034
4700 First Street
Livermore, California

Prepared For:

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

By:




Senior Project Geologist, Irvine Operations
December 15, 2006



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 Sheet – 11/21/06 Groundwater Sampling Field Notes – 11/21/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
July through December 2006
76 Station 6034
4700 First Street
Livermore, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-558-7609**

Water Sampling Contractor: **TRC**
Compiled by: **Daniel Lee**

Date(s) of Gauging/Sampling Event: **11/21/06**

Sample Points

Groundwater wells: **7** onsite, **0** offsite Wells gauged: **7** Wells sampled: **2**
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: **12.23 feet** Maximum: **15.62 feet**
Average groundwater elevation (relative to available local datum): **506.67 feet**
Average change in groundwater elevation since previous event: **1.30 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.03 ft/ft, southwest**
 Previous event: **0.01 ft/ft, north (07/19/06)**

Selected Laboratory Results

Wells with detected **Benzene**: **0** Wells above MCL (1.0 µg/l): **n/a**
 Maximum reported benzene concentration: **n/a**

Wells with **TPH-G** **0**

Wells with **MTBE** **1** Maximum: **1.1 µg/l (MW-2)**

Notes:

Casing elevations for wells MW-2, MW-3, MW-6, MW-7 were modified during well repair activities on 10/2/2006. Tables have been modified to reflect the absence of survey data since modification. MW-1=Monitored Only, MW-2=Casing elevation modified on 10/2/06, MW-3=Casing elevation modified on 10/2/06, MW-5=Monitored Only, MW-6=Dry; Casing elevation modified on 10/2/06, MW-7=Casing elevation modified on 10/2/06,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
ug/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: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 6034 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables

Site: 76 Station 6034

Current Event

Table 1	Well/ Date	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
Table 1a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME						

Historic Data

Table 2	Well/ Date	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
Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Trichloro- ethene (TCE)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 21, 2006
76 Station 6034

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: 11.0-28.5)												
11/21/06	520.64	15.62	0.00	505.02	-0.14	--	--	--	--	--	--	--	--	Monitored Only
MW-2		(Screen Interval in feet: 11.0-25.0)												
11/21/06	--	15.08	0.00	--	--	--	240	ND<0.50	ND<0.50	7.6	8.0	--	1.1	Casing elevation modified on 10/2/06
MW-3		(Screen Interval in feet: 11.0-25.0)												
11/21/06	--	13.93	0.00	--	--	--	--	--	--	--	--	--	--	Casing elevation modified on 10/2/06
MW-4		(Screen Interval in feet: 11.0-25.0)												
11/21/06	519.61	12.66	0.00	506.95	0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-5		(Screen Interval in feet: 10.0-24.0)												
11/21/06	520.27	12.23	0.00	508.04	3.08	--	--	--	--	--	--	--	--	Monitored Only
MW-6		(Screen Interval in feet: 10.0-24.0)												
11/21/06	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry; Casing elevation modified on 10/2/06
MW-7		(Screen Interval in feet: 10.0-24.0)												
11/21/06	--	14.82	0.00	--	--	--	--	--	--	--	--	--	--	Casing elevation modified on 10/2/06

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 6034

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2							
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4							
11/21/06	--	ND<250	--	--	--	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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: 11.0-28.5)														
11/18/89	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/08/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/07/90	--	--	--	--	--	ND	--	ND	1.2	ND	ND	--	--	
12/24/90	--	--	--	--	--	ND	--	ND	ND	ND	0.4	--	--	
04/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/22/93	520.88	15.47	0.00	505.41	--	--	--	--	--	--	--	--	--	
07/20/93	520.88	18.04	0.00	502.84	-2.57	--	--	--	--	--	--	--	--	
10/20/93	520.64	15.69	0.00	504.95	2.11	--	--	--	--	--	--	--	--	
01/20/94	520.64	15.65	0.00	504.99	0.04	--	--	--	--	--	--	--	--	
04/21/94	520.64	15.58	0.00	505.06	0.07	ND	--	ND	ND	ND	ND	--	--	
07/21/94	520.64	15.62	0.00	505.02	-0.04	--	--	--	--	--	--	--	--	Sampled Annually
10/19/94	520.64	15.28	0.00	505.36	0.34	--	--	--	--	--	--	--	--	
01/18/95	520.64	14.56	0.00	506.08	0.72	--	--	--	--	--	--	--	--	
04/17/95	520.64	14.82	0.00	505.82	-0.26	ND	--	ND	ND	ND	ND	--	--	
07/18/95	520.64	14.78	0.00	505.86	0.04	--	--	--	--	--	--	--	--	
10/17/95	520.64	14.83	0.00	505.81	-0.05	--	--	--	--	--	--	--	--	
01/17/96	520.64	14.96	0.00	505.68	-0.13	--	--	--	--	--	--	--	--	
04/17/96	520.64	14.47	0.00	506.17	0.49	ND	--	ND	ND	ND	ND	ND	--	
07/16/96	520.64	14.57	0.00	506.07	-0.10	--	--	--	--	--	--	--	--	
10/16/96	520.64	14.50	0.00	506.14	0.07	--	--	--	--	--	--	--	--	
04/08/97	520.64	15.05	0.00	505.59	-0.55	--	--	--	--	--	--	--	--	Sampling Discontinued

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
10/06/97	520.64	15.00	0.00	505.64	0.05	--	--	--	--	--	--	--	--	
04/02/98	520.64	14.80	0.00	505.84	0.20	--	--	--	--	--	--	--	--	
10/07/98	520.64	14.72	0.00	505.92	0.08	--	--	--	--	--	--	--	--	
04/14/99	520.64	14.89	0.00	505.75	-0.17	--	--	--	--	--	--	--	--	
10/12/99	520.64	14.79	0.00	505.85	0.10	--	--	--	--	--	--	--	--	
04/10/00	520.64	14.93	0.00	505.71	-0.14	--	--	--	--	--	--	--	--	
10/02/00	520.64	15.18	0.00	505.46	-0.25	--	--	--	--	--	--	--	--	
04/02/01	520.64	14.72	0.00	505.92	0.46	--	--	--	--	--	--	--	--	
10/05/01	520.64	15.51	0.00	505.13	-0.79	--	--	--	--	--	--	--	--	
04/01/02	520.64	15.40	0.00	505.24	0.11	--	--	--	--	--	--	--	--	
10/16/02	520.64	15.54	0.00	505.10	-0.14	--	--	--	--	--	--	--	--	
04/03/03	520.64	15.41	0.00	505.23	0.13	--	--	--	--	--	--	--	--	
10/02/03	520.64	15.58	0.00	505.06	-0.17	--	--	--	--	--	--	--	--	Monitored Only
04/30/04	520.64	15.65	0.00	504.99	-0.07	--	--	--	--	--	--	--	--	Monitored only
12/01/04	520.64	15.81	0.00	504.83	-0.16	--	--	--	--	--	--	--	--	Sampled Semi-Annually
06/13/05	520.64	15.49	0.00	505.15	0.32	--	--	--	--	--	--	--	--	Monitored Only
10/24/05	520.64	15.63	0.00	505.01	-0.14	--	--	--	--	--	--	--	--	Monitored Only
06/23/06	520.64	15.49	0.00	505.15	0.14	--	--	--	--	--	--	--	--	Monitored Only
07/19/06	520.64	15.48	0.00	505.16	0.01	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	520.64	15.62	0.00	505.02	-0.14	--	--	--	--	--	--	--	--	Monitored Only
MW-2 (Screen Interval in feet: 11.0-25.0)														
11/18/89	--	--	--	--	--	53000	--	540	500	130	22000	--	--	
03/08/90	--	--	--	--	--	26000	--	230	410	1300	2100	--	--	
06/05/90	--	--	--	--	--	31000	--	250	460	950	9200	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
09/07/90	--	--	--	--	--	ND	--	ND	1.5	ND	ND	--	--	
12/24/90	--	--	--	--	--	32000	--	440	340	460	13000	--	--	
04/10/91	--	--	--	--	--	22000	--	170	190	490	6200	--	--	
07/10/91	--	--	--	--	--	14000	--	70	160	570	5400	--	--	
10/14/91	--	--	--	--	--	11000	--	79	130	660	4700	--	--	
01/14/92	--	--	--	--	--	5600	--	36	120	450	2600	--	--	
04/06/92	--	--	--	--	--	760	--	6.3	2.1	ND	130	--	--	
07/07/92	--	--	--	--	--	44000	--	160	1100	1000	17000	--	--	
10/16/92	--	--	--	--	--	290	--	2.3	ND	5.1	15	--	--	
01/14/93	--	--	--	--	--	19000	--	75	430	900	8400	--	--	
04/22/93	520.17	14.98	0.00	505.19	--	49000	--	150	1000	3000	18000	--	--	
07/20/93	520.17	17.41	0.00	502.76	-2.43	25000	--	68	94	1000	6200	--	--	
10/20/93	519.82	15.08	0.00	504.74	1.98	12000	--	27	10	100	3000	--	--	
01/20/94	519.82	15.02	0.00	504.80	0.06	20000	--	ND	ND	270	3300	--	--	
04/21/94	519.82	14.96	0.00	504.86	0.06	27000	--	85	65	880	5300	--	--	
07/21/94	519.82	14.99	0.00	504.83	-0.03	31000	--	58	29	940	6200	--	--	
10/19/94	519.82	14.80	0.00	505.02	0.19	4100	--	16	3.5	8.6	1100	--	--	
01/18/95	519.82	14.10	0.00	505.72	0.70	5100	--	6.8	7.3	100	1500	--	--	
04/17/95	519.82	14.13	0.00	505.69	-0.03	320	--	1.3	0.67	6.6	74	--	--	
07/18/95	519.82	14.11	0.00	505.71	0.02	12000	--	25	24	550	3700	--	--	
10/17/95	519.82	14.15	0.00	505.67	-0.04	77000	--	60	58	760	8300	220	--	
01/17/96	519.82	14.35	0.00	505.47	-0.20	7000	--	15	ND	150	1600	370	--	
04/17/96	519.82	13.93	0.00	505.89	0.42	19000	--	ND	ND	600	4900	6100	--	
07/16/96	519.82	14.00	0.00	505.82	-0.07	23000	--	16	22	900	4500	410	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
10/16/96	519.82	14.12	0.00	505.70	-0.12	14000	--	28	31	1600	6900	9600	--	
01/13/97	519.82	--	--	--	--	4300	--	12	5.0	28	890	1300	--	
04/08/97	519.82	14.49	0.00	505.33	--	4700	--	ND	6.5	170	830	290	--	
10/06/97	519.82	14.41	0.00	505.41	0.08	5800	--	14	ND	19	860	570	--	
04/02/98	519.82	14.26	0.00	505.56	0.15	24000	--	ND	ND	980	5200	6800	--	
10/07/98	519.82	14.35	0.00	505.47	-0.09	41000	--	ND	ND	2100	7800	3700	2700	
04/14/99	519.82	14.54	0.00	505.28	-0.19	720	--	1.2	ND	29	260	95	57	
10/12/99	519.82	14.50	0.00	505.32	0.04	2200	--	ND	ND	78	480	52	11	
04/10/00	519.82	14.72	0.00	505.10	-0.22	ND	--	ND	ND	0.815	2.99	28.5	40.1	
10/02/00	519.82	14.91	0.00	504.91	-0.19	ND	--	ND	ND	0.71	1.0	9.2	11	
04/02/01	519.82	14.12	0.00	505.70	0.79	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	519.82	15.02	0.00	504.80	-0.90	1300	--	4.4	ND<2.5	29	79	ND<25	12	
04/01/02	519.82	14.94	0.00	504.88	0.08	3500	--	5.1	ND<5.0	120	460	ND<50	14	
10/16/02	519.82	15.06	0.00	504.76	-0.12	240	--	ND<0.50	ND<0.50	8.2	15	--	ND<2.0	
04/03/03	519.82	14.96	0.00	504.86	0.10	1300	--	1.5	1.8	23	160	--	6.6	
10/02/03	519.82	15.11	0.00	504.71	-0.15	--	15000	ND<13	ND<13	290	1400	--	ND<50	
04/30/04	519.82	15.25	0.00	504.57	-0.14	--	8000	ND<13	ND<13	140	550	--	ND<13	
12/01/04	519.82	15.37	0.00	504.45	-0.12	--	4700	ND<1.0	ND<1.0	81	240	--	5.9	
06/13/05	519.82	15.12	0.00	504.70	0.25	--	3300	ND<0.50	ND<0.50	47	200	--	2.5	
10/24/05	519.82	15.23	0.00	504.59	-0.11	--	270	ND<0.50	ND<0.50	4.6	10	--	1.5	
06/23/06	519.82	15.13	0.00	504.69	0.10	--	160	ND<0.50	ND<0.50	3.1	8.1	--	1.1	
07/19/06	519.82	15.12	0.00	504.70	0.01	62	--	ND<0.50	ND<0.50	2.1	4.5	--	ND<0.50	
11/21/06	--	15.08	0.00	--	--	--	240	ND<0.50	ND<0.50	7.6	8.0	--	1.1	Casing elevation modified on 10/2/06

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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 (Screen Interval in feet: 11.0-25.0)														
11/18/89	--	--	--	--	--	ND	--	0.35	ND	ND	ND	--	--	
03/08/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/07/90	--	--	--	--	--	1100	--	11	ND	6.6	16	--	--	
12/24/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/22/93	519.91	14.33	0.00	505.58	--	ND	--	ND	ND	ND	ND	--	--	
07/20/93	519.91	16.90	0.00	503.01	-2.57	ND	--	ND	ND	ND	ND	--	--	
10/20/93	519.66	14.42	0.00	505.24	2.23	ND	--	ND	ND	ND	ND	--	--	
01/20/94	519.66	14.37	0.00	505.29	0.05	--	--	--	--	--	--	--	--	Sampled Annually
04/21/94	519.66	14.30	0.00	505.36	0.07	ND	--	ND	ND	ND	ND	--	--	
07/21/94	519.66	14.34	0.00	505.32	-0.04	--	--	--	--	--	--	--	--	Sampled Semi-Annually
10/19/94	519.66	14.08	0.00	505.58	0.26	ND	--	ND	0.61	ND	0.51	--	--	
01/18/95	519.66	13.23	0.00	506.43	0.85	--	--	--	--	--	--	--	--	
04/17/95	519.66	13.20	0.00	506.46	0.03	ND	--	ND	ND	ND	ND	--	--	
07/18/95	519.66	13.19	0.00	506.47	0.01	--	--	--	--	--	--	--	--	
10/17/95	519.66	13.24	0.00	506.42	-0.05	ND	--	ND	ND	ND	ND	ND	--	Sampled Annually

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-3 continued														
01/17/96	519.66	13.68	0.00	505.98	-0.44	--	--	--	--	--	--	--	--	
04/17/96	519.66	13.04	0.00	506.62	0.64	ND	--	ND	ND	ND	ND	ND	--	
07/16/96	519.66	13.24	0.00	506.42	-0.20	--	--	--	--	--	--	--	--	
10/16/96	519.66	13.10	0.00	506.56	0.14	--	--	--	--	--	--	--	--	
04/08/97	519.66	13.73	0.00	505.93	-0.63	--	--	--	--	--	--	--	--	Sampling Discontinued
10/06/97	519.66	13.70	0.00	505.96	0.03	--	--	--	--	--	--	--	--	
04/02/98	519.66	13.43	0.00	506.23	0.27	--	--	--	--	--	--	--	--	
10/07/98	519.66	13.33	0.00	506.33	0.10	--	--	--	--	--	--	--	--	
04/14/99	519.66	13.47	0.00	506.19	-0.14	--	--	--	--	--	--	--	--	
10/12/99	519.66	13.38	0.00	506.28	0.09	--	--	--	--	--	--	--	--	
04/10/00	519.66	13.51	0.00	506.15	-0.13	--	--	--	--	--	--	--	--	
10/02/00	519.66	13.62	0.00	506.04	-0.11	--	--	--	--	--	--	--	--	
04/02/01	519.66	13.38	0.00	506.28	0.24	--	--	--	--	--	--	--	--	
10/05/01	519.66	14.10	0.00	505.56	-0.72	--	--	--	--	--	--	--	--	
04/01/02	519.66	13.98	0.00	505.68	0.12	--	--	--	--	--	--	--	--	
10/16/02	519.66	14.16	0.00	505.50	-0.18	--	--	--	--	--	--	--	--	
04/03/03	519.66	13.98	0.00	505.68	0.18	--	--	--	--	--	--	--	--	
10/02/03	519.66	14.15	0.00	505.51	-0.17	--	--	--	--	--	--	--	--	Monitored Only
04/30/04	519.66	14.20	0.00	505.46	-0.05	--	--	--	--	--	--	--	--	Monitored only
12/01/04	519.66	14.37	0.00	505.29	-0.17	--	--	--	--	--	--	--	--	Sampled Semi-Annually
06/13/05	519.66	13.98	0.00	505.68	0.39	--	--	--	--	--	--	--	--	Monitored Only
10/24/05	519.66	14.17	0.00	505.49	-0.19	--	--	--	--	--	--	--	--	Monitored Only
06/23/06	519.66	13.98	0.00	505.68	0.19	--	--	--	--	--	--	--	--	Monitored Only
07/19/06	519.66	13.96	0.00	505.70	0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
11/21/06	--	13.93	0.00	--	--	--	--	--	--	--	--	--	--	Casing elevation modified on 10/2/06
MW-4 (Screen Interval in feet: 11.0-25.0)														
11/18/89	--	--	--	--	--	990	--	9.8	10	7.1	4.7	--	--	
03/08/90	--	--	--	--	--	1200	--	18	8.4	37	28	--	--	
06/05/90	--	--	--	--	--	1400	--	1.2	4.7	24	12	--	--	
09/07/90	--	--	--	--	--	15000	--	100	140	210	4600	--	--	
12/24/90	--	--	--	--	--	1400	--	ND	8.7	15	10	--	--	
04/10/91	--	--	--	--	--	950	--	0.84	4.3	9.6	5.0	--	--	
07/10/91	--	--	--	--	--	830	--	8.4	19	7.7	7.2	--	--	
10/14/91	--	--	--	--	--	880	--	3.8	2.2	8.6	5.8	--	--	
01/14/92	--	--	--	--	--	1500	--	4.2	7.1	18	9.2	--	--	
04/06/92	--	--	--	--	--	660	--	1.3	3.8	2.9	4.1	--	--	
07/07/92	--	--	--	--	--	340	--	ND	2.2	2.4	2.4	--	--	
10/16/92	--	--	--	--	--	300	--	2.1	ND	4.8	13	--	--	
01/14/93	--	--	--	--	--	920	--	ND	6.3	12	3.9	--	--	
04/22/93	520.12	14.30	0.00	505.82	--	1100	--	8.8	1.0	7.2	6.0	--	--	
07/20/93	520.12	16.35	0.00	503.77	-2.05	--	--	--	--	--	--	--	--	Not sampled - Sampling access denied
10/20/93	519.61	14.16	0.00	505.45	1.68	640	--	ND	2.5	2.3	1.9	--	--	
01/20/94	519.61	14.15	0.00	505.46	0.01	1200	--	ND	2.6	4.7	7.4	--	--	
04/21/94	519.61	14.13	0.00	505.48	0.02	380	--	0.83	1.2	1.2	1.7	--	--	
07/21/94	519.61	14.26	0.00	505.35	-0.13	320	--	0.51	1.4	1.0	1.6	--	--	
10/19/94	519.61	13.95	0.00	505.66	0.31	750	--	ND	3.6	4.2	3.4	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
01/18/95	519.61	13.16	0.00	506.45	0.79	790	--	1.5	3.3	1.2	2.6	--	--	
04/17/95	519.61	13.19	0.00	506.42	-0.03	570	--	2.8	ND	3.3	3.9	--	--	
07/18/95	519.61	13.21	0.00	506.40	-0.02	340	--	1.0	1.9	2.8	2.7	--	--	
10/17/95	519.61	13.22	0.00	506.39	-0.01	260	--	1.1	0.57	0.69	1.6	2.0	--	
01/17/96	519.61	13.02	0.00	506.59	0.20	--	--	--	--	--	--	--	--	Sampled Semi-Annually
04/17/96	519.61	13.08	0.00	506.53	-0.06	720	--	3.0	2.6	6.1	6.9	ND	--	
07/16/96	519.61	12.91	0.00	506.70	0.17	--	--	--	--	--	--	--	--	
10/16/96	519.61	12.98	0.00	506.63	-0.07	1100	--	6.6	23	24	85	15	--	
01/13/97	519.61	--	0.00	--	--	--	--	--	--	--	--	--	--	
04/08/97	519.61	13.36	0.00	506.25	--	470	--	1.2	1.9	1.2	6.9	ND	--	
10/06/97	519.61	13.42	0.00	506.19	-0.06	240	--	ND	0.85	0.83	2.3	ND	--	
04/02/98	519.61	12.76	0.00	506.85	0.66	270	--	ND	1.2	ND	4.5	10	--	
10/07/98	519.61	13.04	0.00	506.57	-0.28	350	--	ND	ND	ND	4.8	ND	--	
04/14/99	519.61	13.21	0.00	506.40	-0.17	250	--	1.6	ND	3.1	5.6	ND	16	
10/12/99	519.61	13.16	0.00	506.45	0.05	200	--	1.4	ND	2.3	3.9	ND	--	
04/10/00	519.61	13.48	0.00	506.13	-0.32	52.8	--	ND	ND	ND	ND	ND	--	
10/02/00	519.61	13.25	0.00	506.36	0.23	57	--	ND	ND	0.50	0.90	30	--	
04/02/01	519.61	13.11	0.00	506.50	0.14	ND	--	ND	ND	ND	ND	ND	--	
10/05/01	519.61	14.04	0.00	505.57	-0.93	150	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
04/01/02	519.61	13.76	0.00	505.85	0.28	130	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
10/16/02	519.61	14.10	0.00	505.51	-0.34	130	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.8	
04/03/03	519.61	13.69	0.00	505.92	0.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.6	
10/02/03	519.61	14.20	0.00	505.41	-0.51	--	81	ND<0.50	0.86	4.1	9.4	--	ND<2.0	
04/30/04	519.61	14.12	0.00	505.49	0.08	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.5	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
12/01/04	519.61	14.17	0.00	505.44	-0.05	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
06/13/05	519.61	13.68	0.00	505.93	0.49	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.60	
10/24/05	519.61	14.01	0.00	505.60	-0.33	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	519.61	13.68	0.00	505.93	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/19/06	519.61	13.62	0.00	505.99	0.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	519.61	12.66	0.00	506.95	0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-5 (Screen Interval in feet: 10.0-24.0)														
04/10/91	--	--	--	--	--	630	--	35	14	47	30	--	--	
07/10/91	--	--	--	--	--	220	--	5.1	8.7	9.1	9.7	--	--	
10/14/91	--	--	--	--	--	660	--	55	4.4	50	66	--	--	
01/14/92	--	--	--	--	--	99	--	1.0	1.2	ND	0.32	1.2	--	
04/06/92	--	--	--	--	--	240	--	ND	ND	0.35	ND	--	--	
07/07/92	--	--	--	--	--	76	--	0.48	1.1	0.32	1.3	1.5	--	
10/16/92	--	--	--	--	--	180	--	7.8	1.1	17	6.4	2.0	--	
01/14/93	--	--	--	--	--	91	--	ND	0.53	1.2	11	--	--	
04/22/93	520.58	15.24	0.00	505.34	--	94	--	1.2	ND	ND	1.3	0.82	--	
07/20/93	520.58	17.38	0.00	503.20	-2.14	89	--	1.1	0.51	ND	1.8	2.2	--	
10/20/93	520.27	15.56	0.00	504.71	1.51	110	--	0.8	ND	ND	ND	--	--	
01/20/94	520.27	15.39	0.00	504.88	0.17	ND	--	ND	ND	ND	ND	--	--	
04/21/94	520.27	15.41	0.00	504.86	-0.02	ND	--	ND	ND	ND	ND	--	--	
07/21/94	520.27	15.55	0.00	504.72	-0.14	ND	--	ND	ND	ND	ND	--	--	
10/19/94	520.27	15.20	0.00	505.07	0.35	ND	--	ND	0.71	ND	0.57	--	--	
01/18/95	520.27	14.52	0.00	505.75	0.68	ND	--	ND	ND	ND	ND	--	--	
04/17/95	520.27	14.50	0.00	505.77	0.02	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-5 continued														
07/18/95	520.27	14.41	0.00	505.86	0.09	ND	--	ND	ND	ND	1.1	--	--	
10/17/95	520.27	14.46	0.00	505.81	-0.05	ND	--	ND	ND	ND	ND	ND	--	
01/17/96	520.27	14.48	0.00	505.79	-0.02	--	--	--	--	--	--	--	--	Sampled Annually
04/17/96	520.27	14.22	0.00	506.05	0.26	ND	--	ND	ND	ND	ND	ND	--	
07/16/96	520.27	14.27	0.00	506.00	-0.05	--	--	--	--	--	--	--	--	
10/16/96	520.27	14.15	0.00	506.12	0.12	--	--	--	--	--	--	--	--	
04/08/97	520.27	14.71	0.00	505.56	-0.56	--	--	--	--	--	--	--	--	Sampling Discontinued
10/06/97	520.27	14.71	0.00	505.56	0.00	--	--	--	--	--	--	--	--	
04/02/98	520.27	14.28	0.00	505.99	0.43	--	--	--	--	--	--	--	--	
10/07/98	520.27	14.40	0.00	505.87	-0.12	--	--	--	--	--	--	--	--	
04/14/99	520.27	14.63	0.00	505.64	-0.23	--	--	--	--	--	--	--	--	
10/12/99	520.27	14.48	0.00	505.79	0.15	--	--	--	--	--	--	--	--	
04/10/00	520.27	14.76	0.00	505.51	-0.28	--	--	--	--	--	--	--	--	
10/02/00	520.27	14.65	0.00	505.62	0.11	--	--	--	--	--	--	--	--	
04/02/01	520.27	14.20	0.00	506.07	0.45	--	--	--	--	--	--	--	--	
10/05/01	520.27	15.47	0.00	504.80	-1.27	--	--	--	--	--	--	--	--	
04/01/02	520.27	15.18	0.00	505.09	0.29	--	--	--	--	--	--	--	--	
10/16/02	520.27	15.50	0.00	504.77	-0.32	--	--	--	--	--	--	--	--	
04/03/03	520.27	15.14	0.00	505.13	0.36	--	--	--	--	--	--	--	--	
10/02/03	520.27	15.66	0.00	504.61	-0.52	--	--	--	--	--	--	--	--	Monitored Only
04/30/04	520.27	15.55	0.00	504.72	0.11	--	--	--	--	--	--	--	--	Monitored only
12/01/04	520.27	15.62	0.00	504.65	-0.07	--	--	--	--	--	--	--	--	Sampled Semi-Annually
06/13/05	520.27	15.31	0.00	504.96	0.31	--	--	--	--	--	--	--	--	Monitored Only
10/24/05	520.27	15.51	0.00	504.76	-0.20	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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-5 continued														
06/23/06	520.27	15.29	0.00	504.98	0.22	--	--	--	--	--	--	--	--	Monitored Only
07/19/06	520.27	15.31	0.00	504.96	-0.02	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	520.27	12.23	0.00	508.04	3.08	--	--	--	--	--	--	--	--	Monitored Only
MW-6 (Screen Interval in feet: 10.0-24.0)														
04/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed
01/14/93	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed
04/22/93	519.34	--	0.00	--	--	--	--	--	--	--	--	--	--	Obstructed
07/20/93	519.34	--	0.00	--	--	--	--	--	--	--	--	--	--	Obstructed
10/20/93	518.75	14.20	0.00	504.55	--	ND	--	ND	ND	ND	ND	--	--	
01/20/94	518.75	14.14	0.00	504.61	0.06	ND	--	ND	ND	ND	ND	--	--	
04/21/94	518.75	14.10	0.00	504.65	0.04	ND	--	ND	ND	ND	ND	--	--	
07/21/94	518.75	14.12	0.00	504.63	-0.02	ND	--	ND	ND	ND	ND	--	--	
10/19/94	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
01/18/95	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
04/17/95	518.75	13.82	0.00	504.93	--	ND	--	ND	ND	ND	ND	--	--	
07/18/95	518.75	13.84	0.00	504.91	-0.02	ND	--	ND	ND	ND	ND	--	--	
10/17/95	518.75	13.90	0.00	504.85	-0.06	ND	--	ND	ND	ND	ND	2.2	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
01/17/96	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Sampled Annually - Obstructed by roots
04/17/96	518.75	13.66	0.00	505.09	--	ND	--	ND	ND	ND	ND	ND	ND	
07/16/96	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/16/96	518.75	13.72	0.00	505.03	--	--	--	--	--	--	--	--	--	
04/08/97	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/06/97	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
04/02/98	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/07/98	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
04/14/99	518.75	13.82	0.00	504.93	--	--	--	--	--	--	--	--	--	
10/12/99	518.75	13.72	0.00	505.03	0.10	--	--	--	--	--	--	--	--	
04/10/00	518.75	13.40	0.00	505.35	0.32	--	--	--	--	--	--	--	--	
10/02/00	518.75	13.63	0.00	505.12	-0.23	--	--	--	--	--	--	--	--	
04/02/01	518.75	13.31	0.00	505.44	0.32	--	--	--	--	--	--	--	--	
10/05/01	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in Well
04/01/02	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in Well
10/16/02	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry
04/03/03	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry
10/02/03	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
04/30/04	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
12/01/04	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
06/13/05	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/24/05	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
06/23/06	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
11/21/06	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry; Casing elevation modified on 10/2/06
MW-7 (Screen Interval in feet: 10.0-24.0)														
04/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/10/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/06/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/07/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/14/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/22/93	519.37	14.25	0.00	505.12	--	ND	--	ND	ND	ND	ND	--	--	
07/20/93	519.37	16.68	0.00	502.69	-2.43	ND	--	ND	ND	ND	ND	--	--	
10/20/93	518.83	14.29	0.00	504.54	1.85	ND	--	ND	ND	ND	ND	--	--	
01/20/94	518.83	14.22	0.00	504.61	0.07	ND	--	ND	ND	ND	ND	--	--	
04/21/94	518.83	14.17	0.00	504.66	0.05	ND	--	ND	ND	ND	ND	--	--	
07/21/94	518.83	14.21	0.00	504.62	-0.04	ND	--	ND	ND	ND	ND	--	--	
10/19/94	518.83	14.05	0.00	504.78	0.16	ND	--	ND	0.87	ND	0.61	--	--	
01/18/95	518.83	13.34	0.00	505.49	0.71	ND	--	ND	ND	ND	ND	--	--	
04/17/95	518.83	13.38	0.00	505.45	-0.04	ND	--	ND	ND	ND	ND	--	--	
07/18/95	518.83	13.36	0.00	505.47	0.02	ND	--	ND	ND	ND	ND	--	--	
10/17/95	518.83	13.41	0.00	505.42	-0.05	ND	--	ND	ND	ND	ND	3.5	--	
01/17/96	518.83	13.56	0.00	505.27	-0.15	--	--	--	--	--	--	--	--	Sampled Annually
04/17/96	518.83	13.21	0.00	505.62	0.35	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through November 2006
76 Station 6034

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														
07/16/96	518.83	13.22	0.00	505.61	-0.01	--	--	--	--	--	--	--	--	
10/16/96	518.83	13.58	0.00	505.25	-0.36	--	--	--	--	--	--	--	--	
04/08/97	518.83	13.73	0.00	505.10	-0.15	--	--	--	--	--	--	--	--	Sampling Discontinued
10/06/97	518.83	13.65	0.00	505.18	0.08	--	--	--	--	--	--	--	--	
04/02/98	518.83	13.55	0.00	505.28	0.10	--	--	--	--	--	--	--	--	
10/07/98	518.83	13.64	0.00	505.19	-0.09	--	--	--	--	--	--	--	--	
04/14/99	518.83	13.75	0.00	505.08	-0.11	--	--	--	--	--	--	--	--	
10/12/99	518.83	13.61	0.00	505.22	0.14	--	--	--	--	--	--	--	--	
04/10/00	518.83	13.85	0.00	504.98	-0.24	--	--	--	--	--	--	--	--	
10/02/00	518.83	14.19	0.00	504.64	-0.34	--	--	--	--	--	--	--	--	
04/02/01	518.83	13.86	0.00	504.97	0.33	--	--	--	--	--	--	--	--	Sampling Discontinued
10/05/01	518.83	14.30	0.00	504.53	-0.44	--	--	--	--	--	--	--	--	
04/01/02	518.83	14.23	0.00	504.60	0.07	--	--	--	--	--	--	--	--	
10/16/02	518.83	14.30	0.00	504.53	-0.07	--	--	--	--	--	--	--	--	
04/03/03	518.83	14.27	0.00	504.56	0.03	--	--	--	--	--	--	--	--	
10/02/03	518.83	14.35	0.00	504.48	-0.08	--	--	--	--	--	--	--	--	Monitored Only
04/30/04	518.83	14.35	0.00	504.48	0.00	--	--	--	--	--	--	--	--	Monitored only
12/01/04	518.83	14.66	0.00	504.17	-0.31	--	--	--	--	--	--	--	--	Sampled Semi-Annually
06/13/05	518.83	15.47	0.00	503.36	-0.81	--	--	--	--	--	--	--	--	Monitored Only
10/24/05	518.83	15.65	0.00	503.18	-0.18	--	--	--	--	--	--	--	--	Monitored Only
06/23/06	518.83	14.49	0.00	504.34	1.16	--	--	--	--	--	--	--	--	Monitored Only
07/19/06	518.83	14.46	0.00	504.37	0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	--	14.82	0.00	--	--	--	--	--	--	--	--	--	--	Casing elevation modified on 10/2/06

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6034

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Trichloroethene (TCE)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-1												
03/08/90	--	--	--	--	--	--	--	4.7	ND	ND	--	--
06/05/90	--	--	--	--	--	--	--	ND	ND	ND	--	--
09/07/90	--	--	--	--	--	--	--	ND	ND	ND	--	--
12/24/90	--	--	--	--	--	--	--	ND	ND	ND	--	--
04/10/91	--	--	--	--	--	--	--	ND	ND	ND	--	--
07/10/91	--	--	--	--	--	--	--	ND	ND	ND	--	--
04/21/94	--	--	--	--	--	--	--	ND	ND	ND	--	--
04/17/95	--	--	--	--	--	--	--	ND	0.69	ND	--	--
04/17/96	--	--	--	--	--	--	--	ND	ND	ND	--	--
07/16/96	--	--	--	--	--	--	--	--	--	--	4.28	4.24
07/19/06	ND<10	ND<250	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
MW-2												
07/18/95	--	--	--	--	--	--	--	--	--	--	4.22	--
10/17/95	--	--	--	--	--	--	--	--	--	--	3.96	--
01/17/96	--	--	--	--	--	--	--	--	--	--	5.25	--
04/17/96	--	--	--	--	--	--	--	--	--	--	2.59	--
07/16/96	--	--	--	--	--	--	--	--	--	--	4.35	4.46
10/16/96	--	--	--	--	--	--	--	--	--	--	2.92	3.87
01/13/97	--	--	--	--	--	--	--	--	--	--	--	4.76
04/08/97	--	--	--	--	--	--	--	--	--	--	3.42	3.76
10/06/97	--	--	--	--	--	--	--	--	--	--	3.59	4.13
04/02/98	--	--	--	--	--	--	--	--	--	--	3.16	6.32
10/07/98	--	--	--	--	--	--	--	--	--	--	--	3.85
04/14/99	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	3.14
10/12/99	ND	ND	--	--	ND	ND	ND	--	--	--	--	2.96
04/10/00	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	3.47

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6034

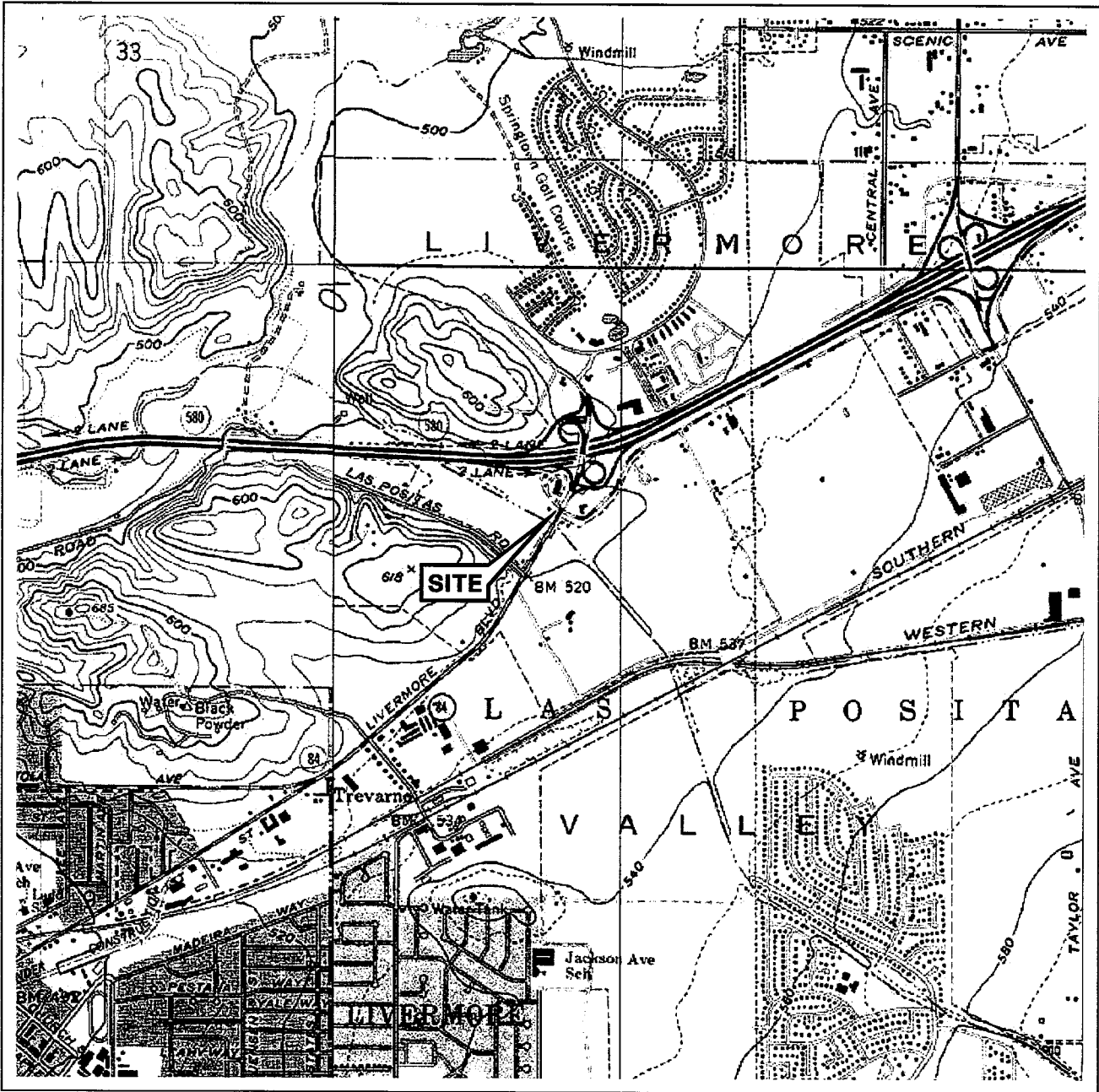
Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Trichloroethene (TCE)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-2 continued												
10/02/00	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	3.77
04/02/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	3.95
10/05/01	ND<100	ND<1000	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--	2.89
04/01/02	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--	3.15
10/16/02	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--	3.08
04/03/03	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--	2.60
10/02/03	ND<2500	ND<13000	ND<50	ND<50	ND<50	ND<50	ND<50	--	--	--	--	3.53
04/30/04	ND<130	ND<1300	ND<13	ND<13	ND<25	ND<13	ND<13	--	--	--	--	1.78
12/01/04	32	ND<100	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	--	--	--	5.66	5.42
06/13/05	9.6	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	4.79	5.76
10/24/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	2.16	2.29
06/23/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	4.53
07/19/06	ND<10	ND<250	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
MW-3												
07/16/96	--	--	--	--	--	--	--	--	--	--	4.20	4.19
07/19/06	ND<10	ND<250	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
MW-4												
07/16/96	--	--	--	--	--	--	--	--	--	--	4.30	4.25
01/13/97	--	--	--	--	--	--	--	--	--	--	--	4.97
04/14/99	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
10/02/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
04/30/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/01/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
06/13/05	--	ND<50	--	--	--	--	--	--	--	--	--	--
10/24/05	--	ND<250	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6034

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Trichloroethene (TCE)	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-4 continued												
06/23/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
07/19/06	ND<10	ND<250	--	--	2.2	--	ND<0.50	--	--	--	--	--
11/21/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
MW-5												
07/16/96	--	--	--	--	--	--	--	--	--	--	4.21	4.18
07/19/06	ND<10	ND<250	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--
MW-7												
07/16/96	--	--	--	--	--	--	--	--	--	--	4.19	4.20
07/19/06	ND<10	ND<250	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--

FIGURES

PS = 1:1 L:\VICINITY M.A.P.S\6034vm.dwg Jul 03, 2006 - 2:43pm lwinters



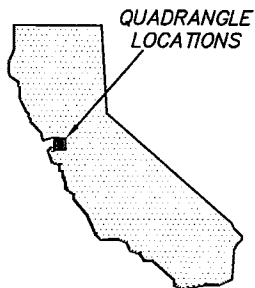
0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Livermore & Altamont Quadrangles



VICINITY MAP

76 Station 6034
4700 First Street
Livermore, California

TRC

FIGURE 1

FIGURE 2



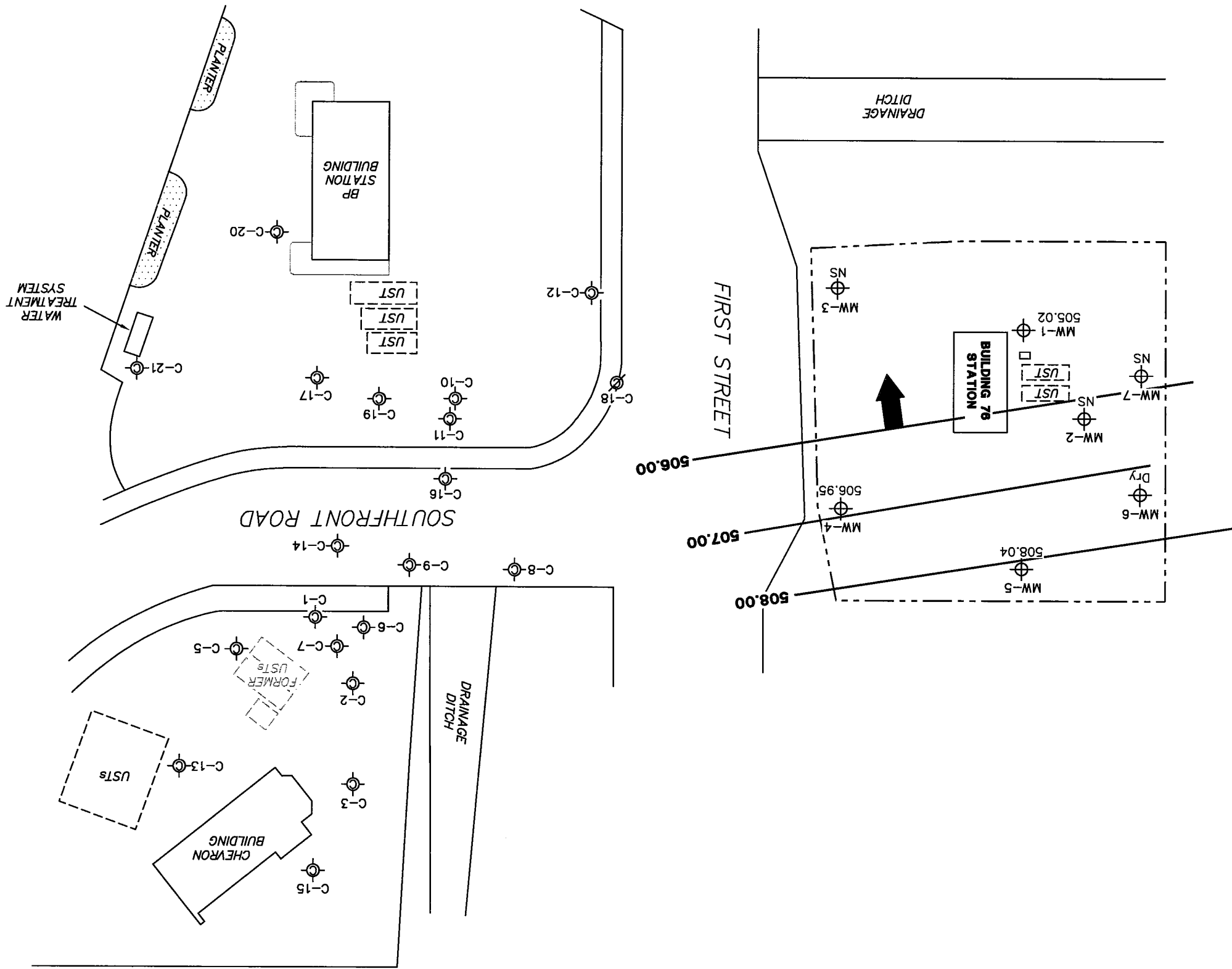
76 Station 6034
4700 First Street
Livermore, California

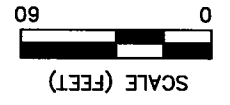
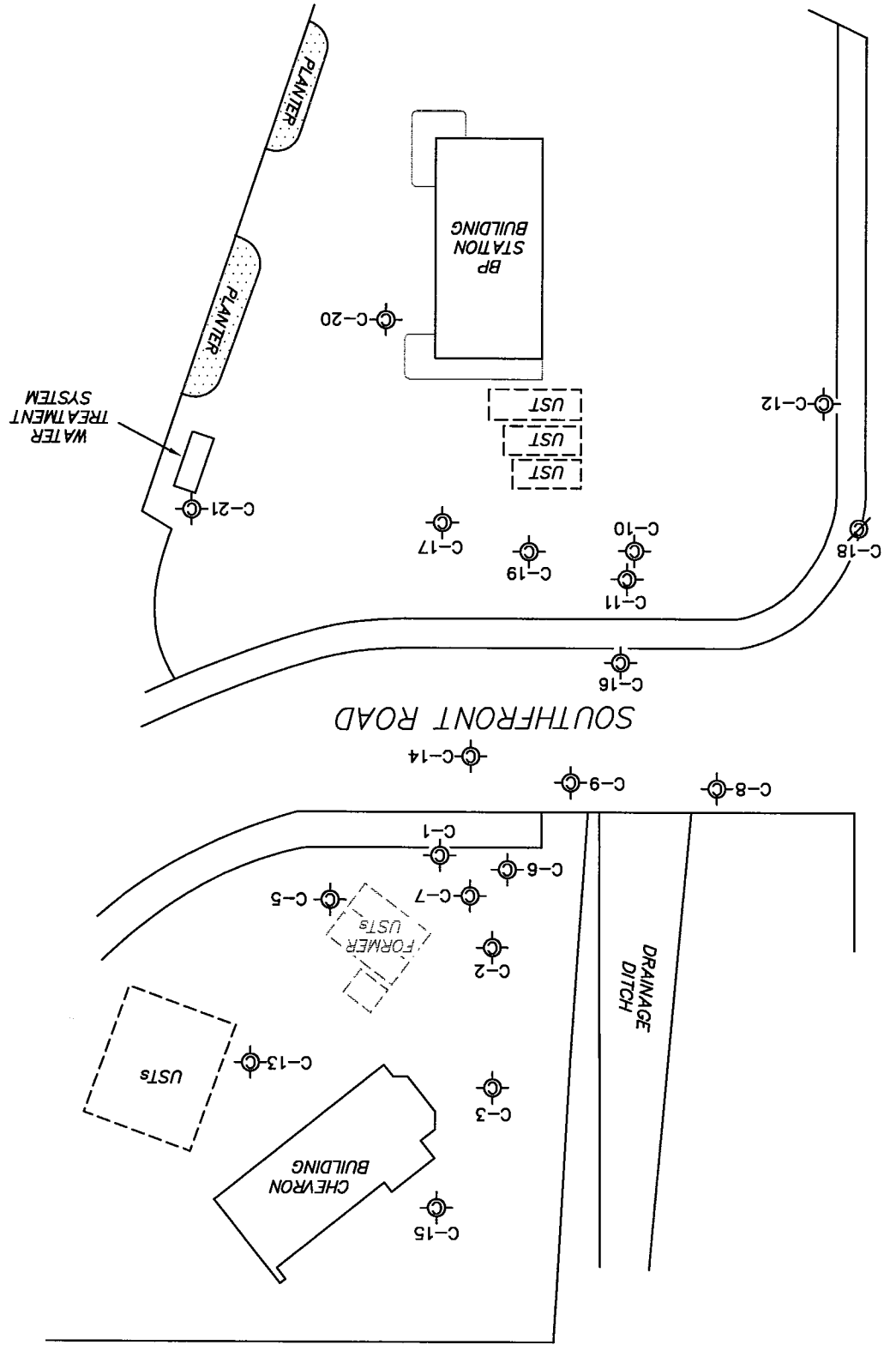
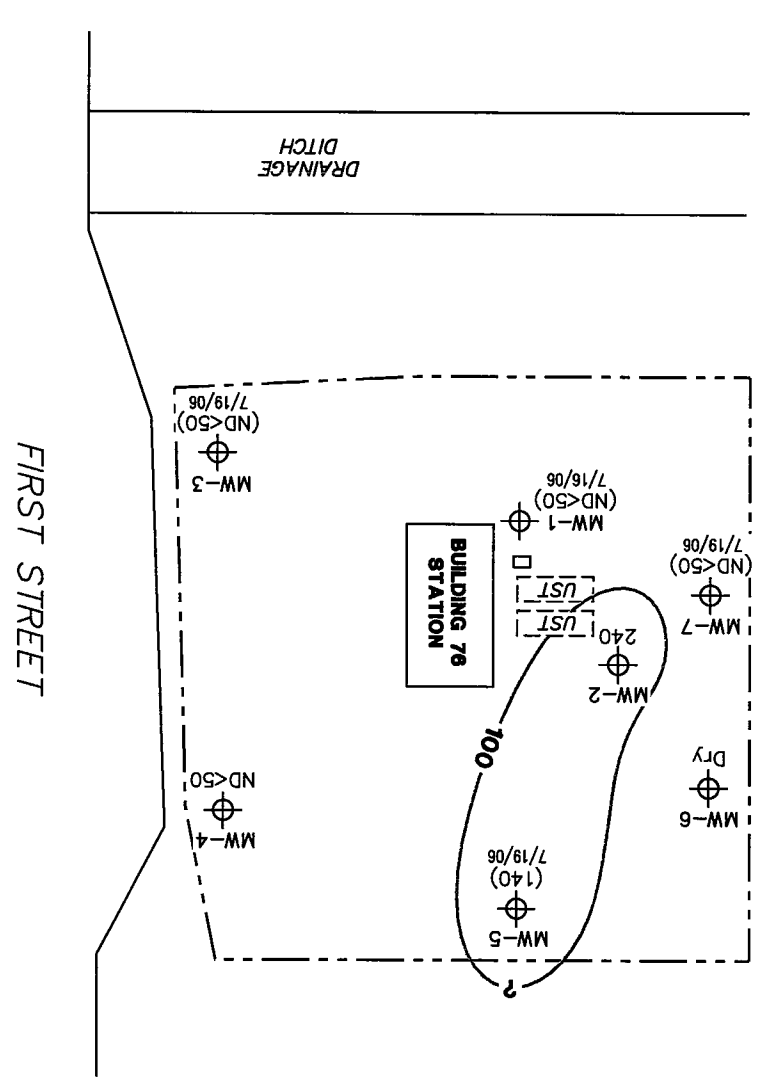
**GROUNDWATER ELEVATION
CONTOUR MAP
November 21, 2006**

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

LEGEND

- MW-7 ⊕ Monitoring Well with Groundwater Elevation (feet)
- C-21 ⊕ Chevron Monitoring Well
- C-18 ⊕ Abandoned Chevron Well
- 508.00 — Groundwater Elevation Contour
- ← General Direction of Groundwater Flow





LEGEND

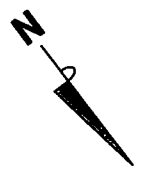
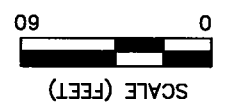
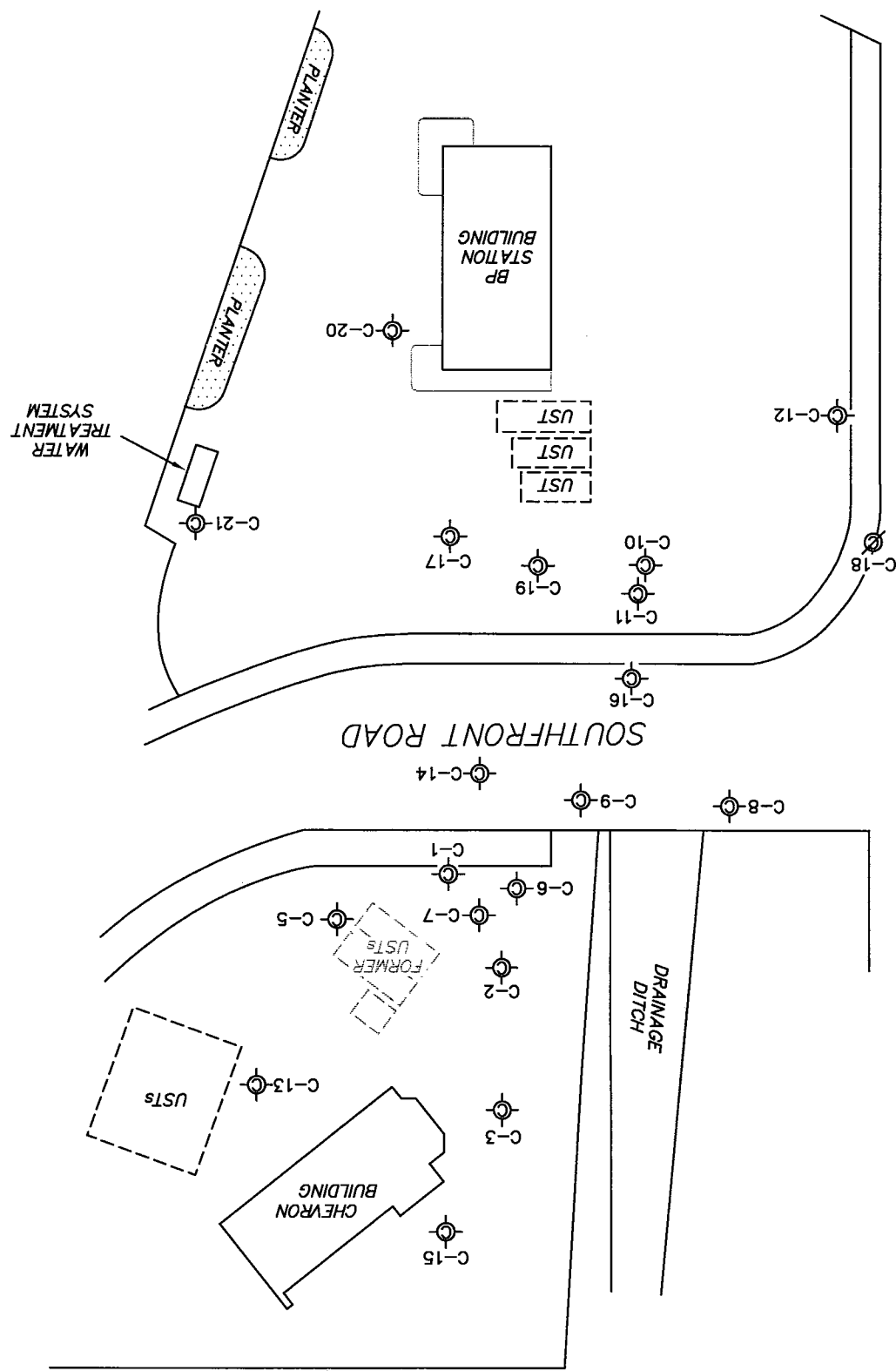
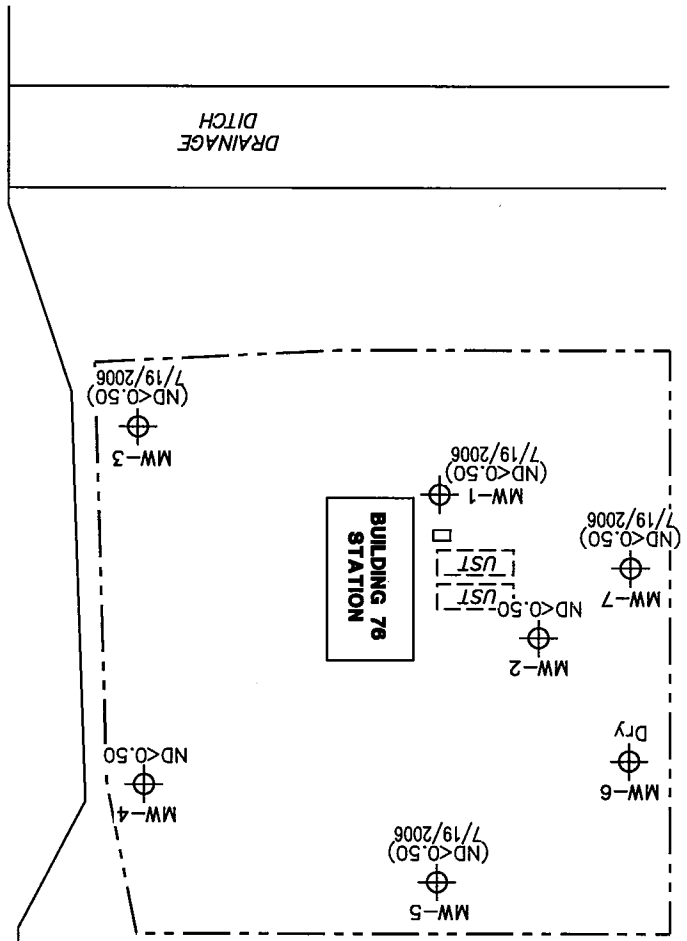
- MW-7 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)
- C-21 ⊕ Chevron Monitoring Well
- C-18 ⊕ Abandoned Chevron Well
- 100 — Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)

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. () = representative of historical value. UST = underground storage tank.

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
November 21, 2006
76 Station 6034
4700 First Street
Livermore, California

TRC
FIGURE 3



LEGEND

	MW-7 Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)
	C-21 Chevron Monitoring Well
	C-18 Abandoned Chevron Well

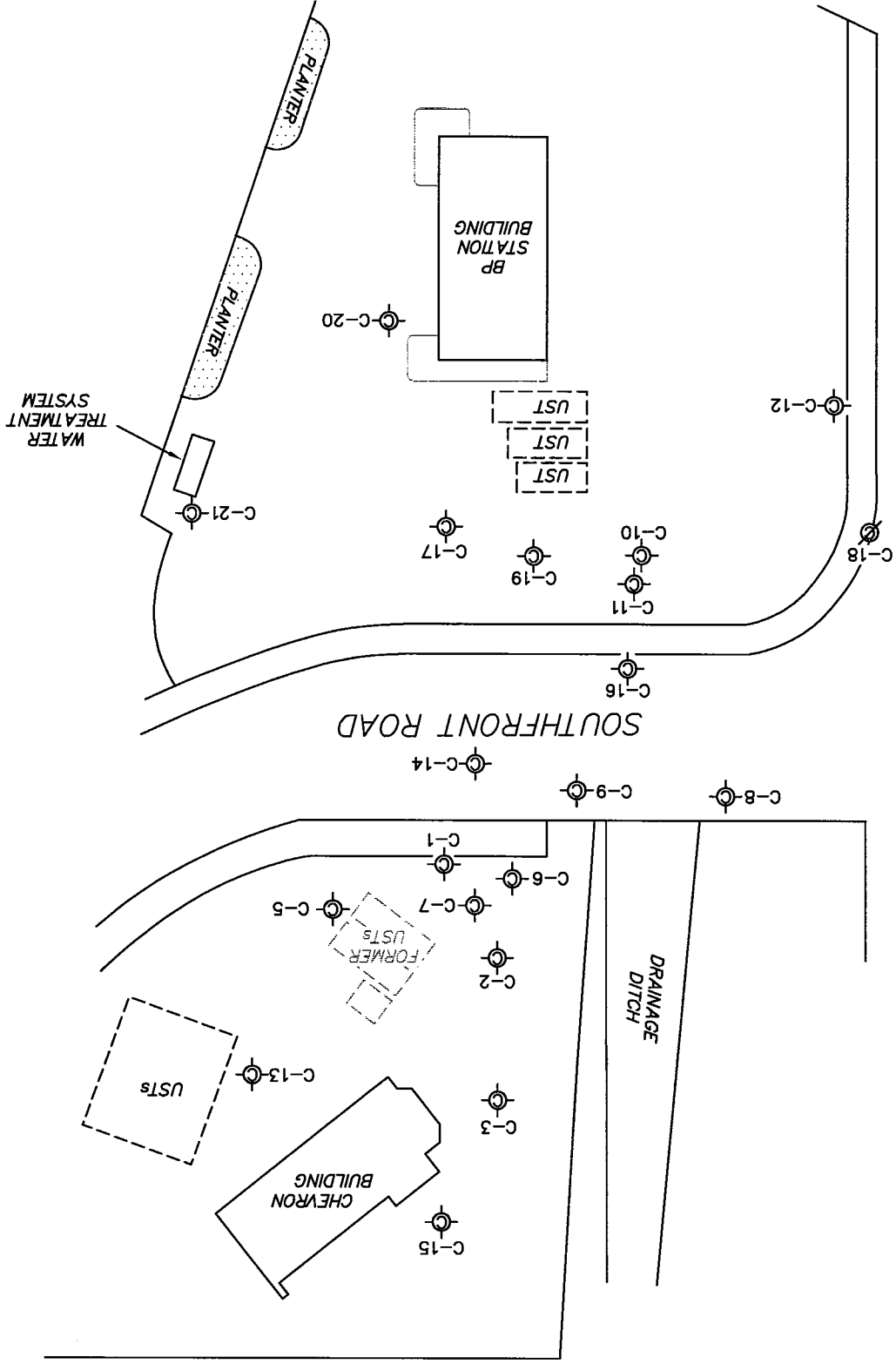
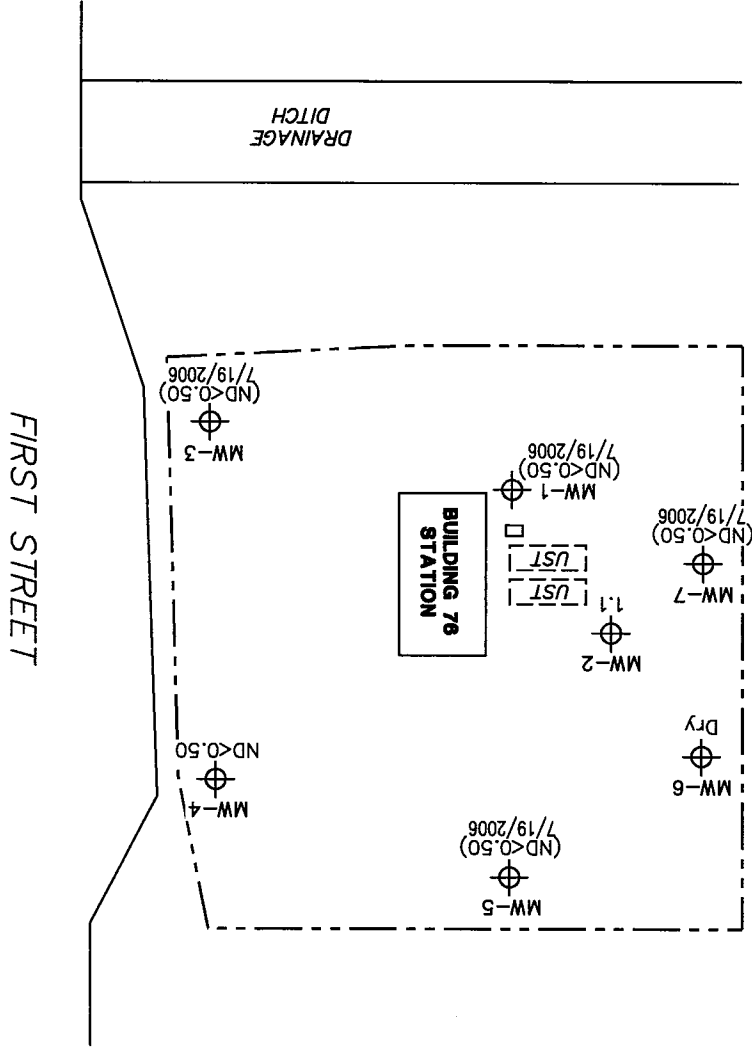
NOTES:
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 () = representative of historical value.
 UST = underground storage tank.

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
 November 21, 2006

76 Station 6034
 4700 First Street
 Livermore, California

FIGURE 4





SCALE (FEET)
0 60



LEGEND

MW-7	Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
C-21	Chevron Monitoring Well
C-18	Abandoned Chevron Well

NOTES:
 MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. () = representative of historical value. UST = underground storage tank. Results obtained using EPA Method 8260B.

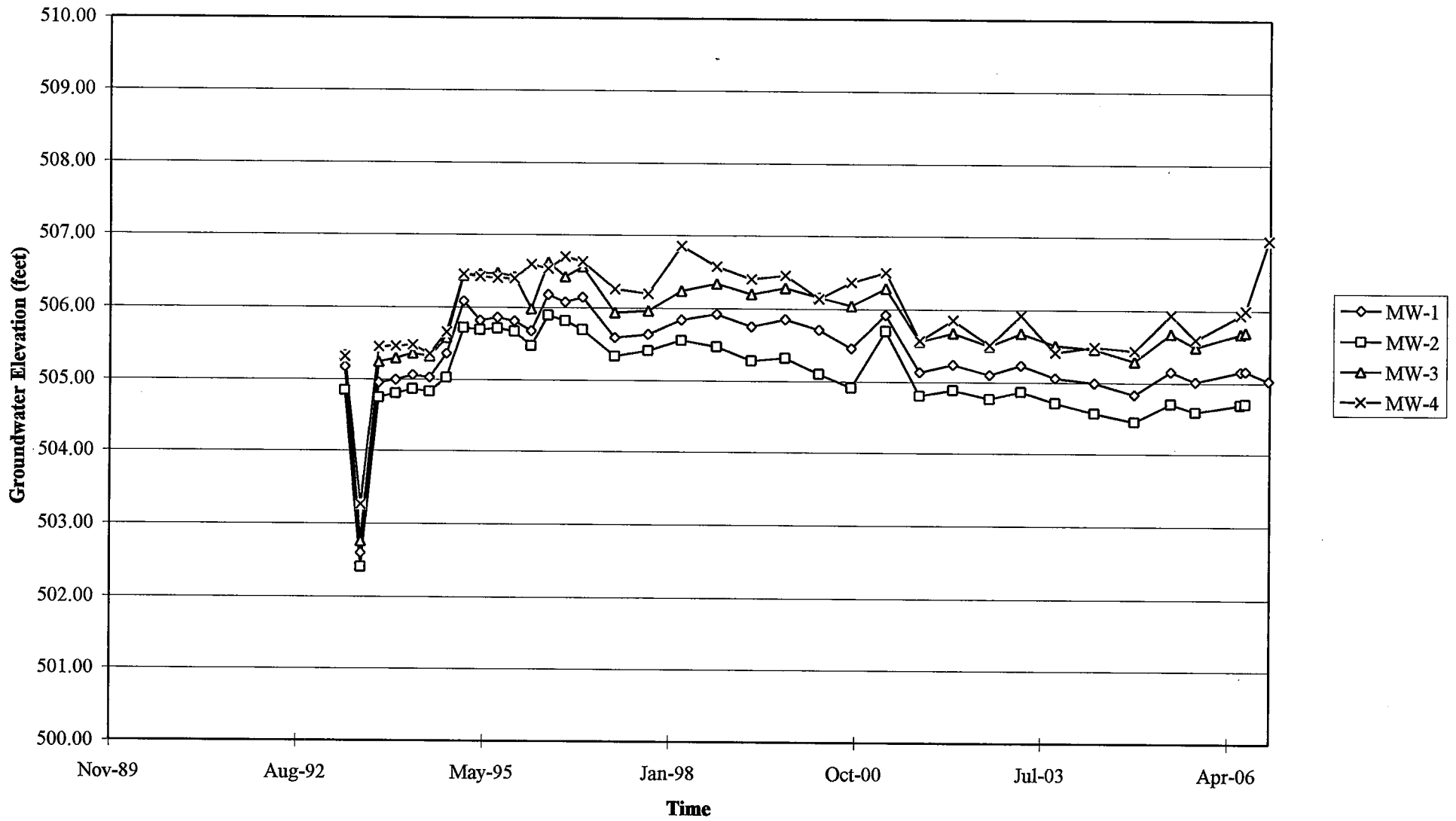
DISSOLVED-PHASE MTBE CONCENTRATION MAP
 November 21, 2006
 76 Station 6034
 4700 First Street
 Livermore, California

FIGURE 5



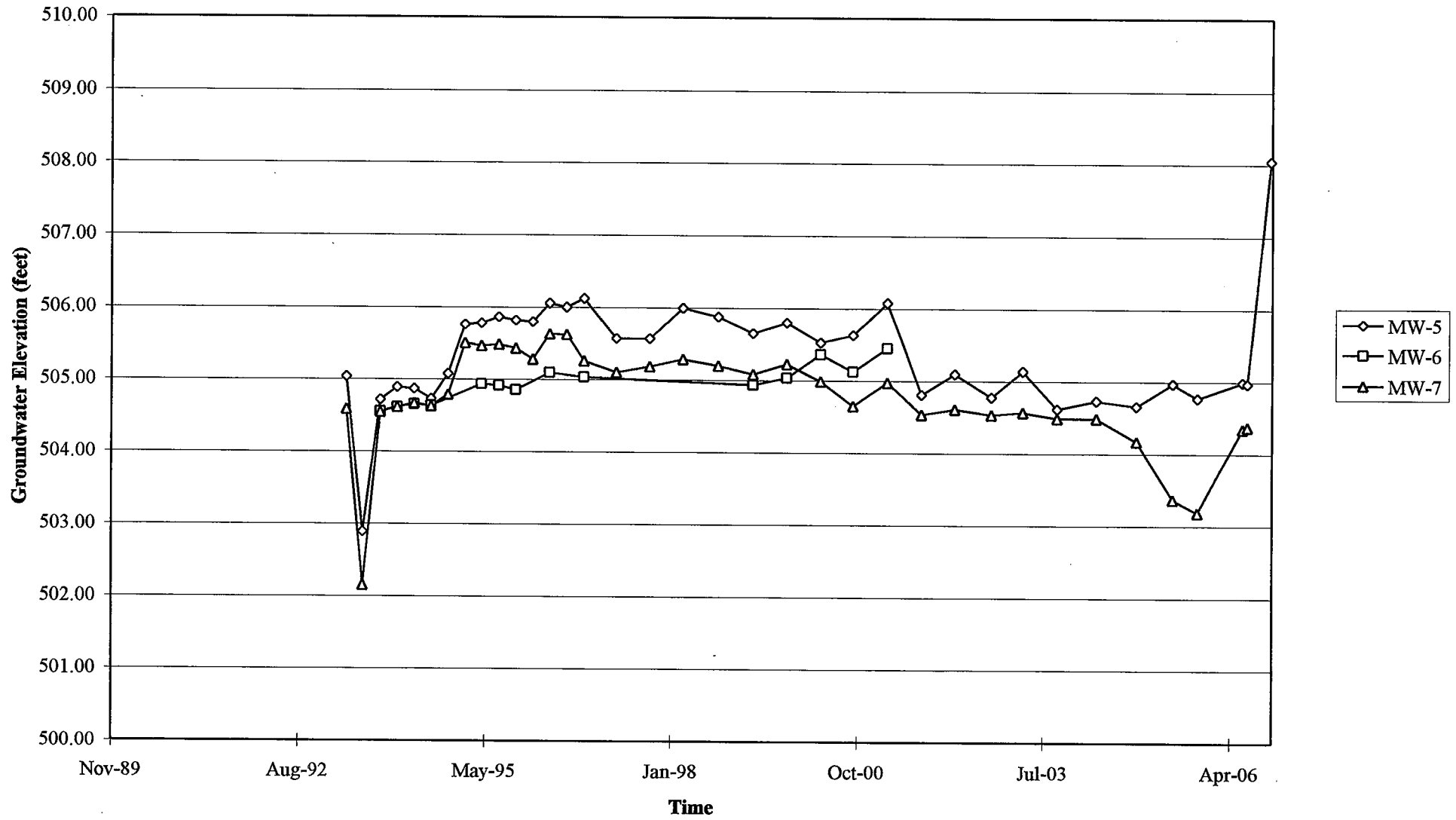
GRAPHS

Groundwater Elevations vs. Time
76 Station 6034



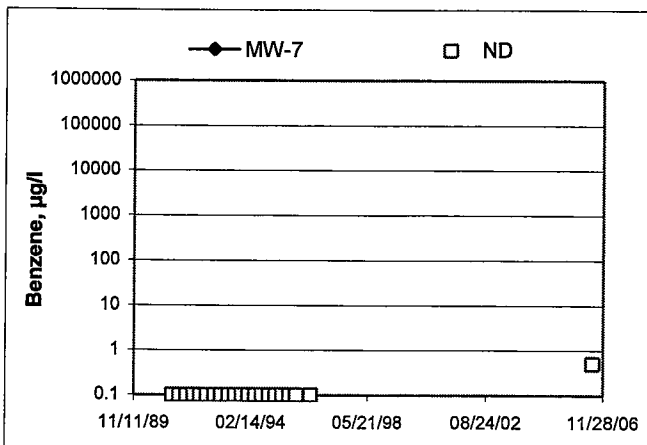
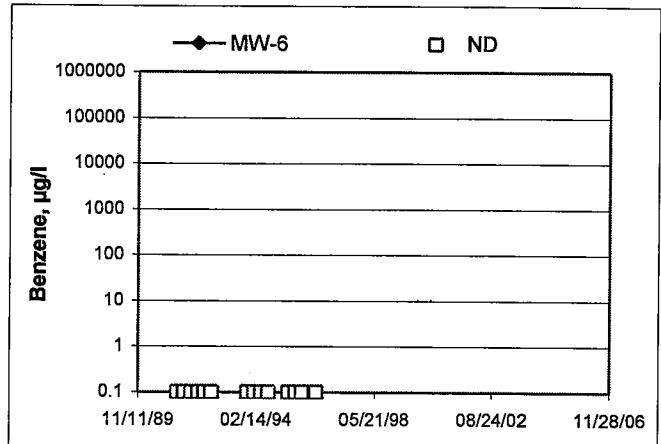
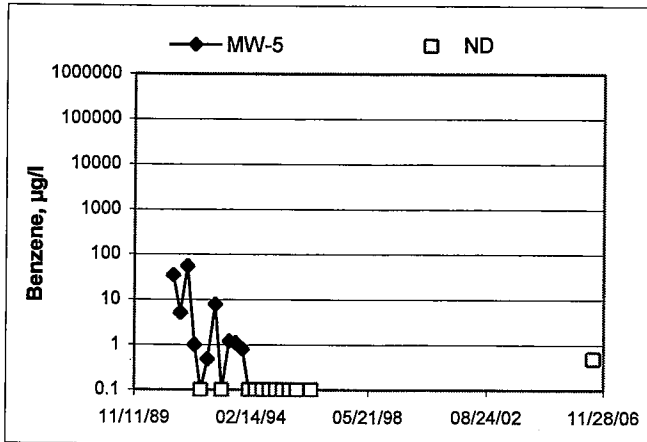
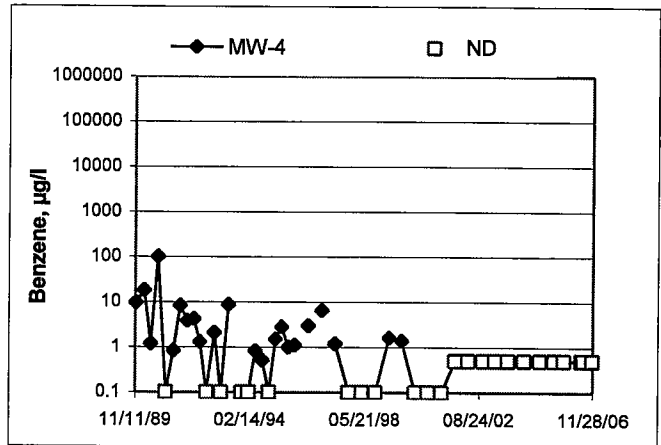
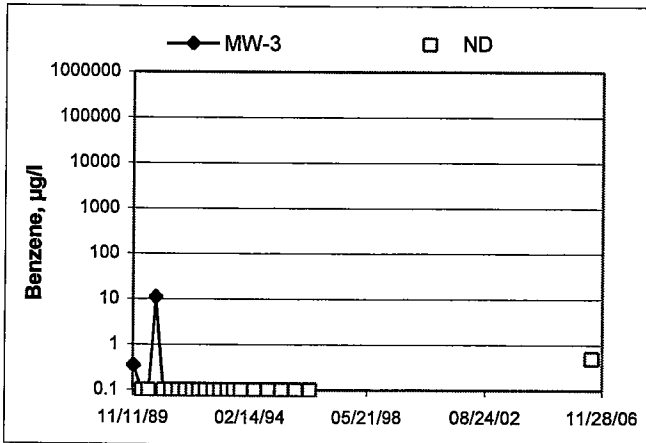
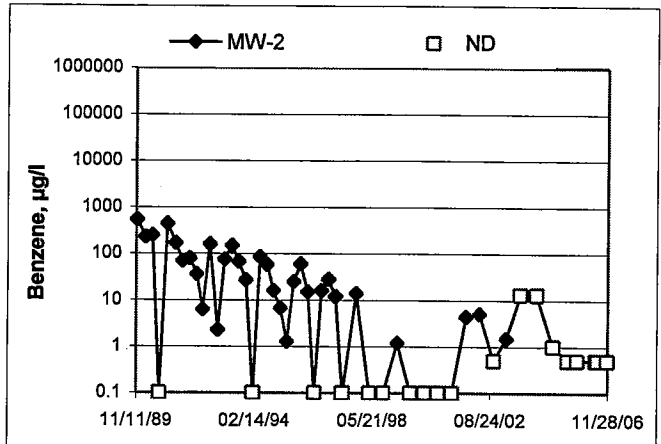
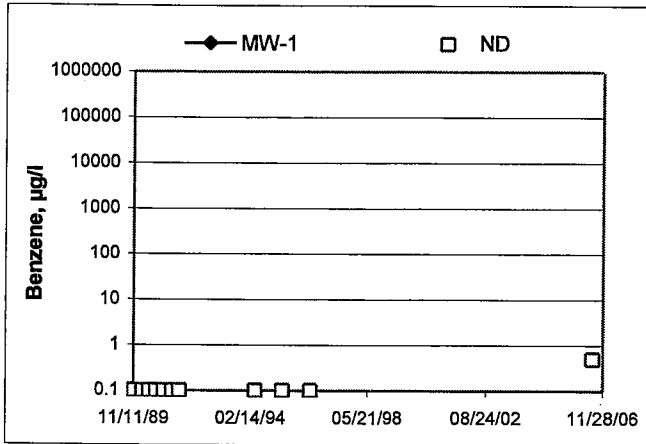
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 6034



Elevations may have been corrected for apparent changes due to resurvey

Benzene Concentrations vs Time
76 Station 6034



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.

GROUNDWATER SAMPLING FIELD NOTES

Technician: 4106001 Mike J

Site: 6034

Project No.: 4106001

Date: 11-21-06

Well No. MW-2

Purge Method: DIA

Depth to Water (feet): ~~15.62~~ 15.08

Depth to Product (feet): —

Total Depth (feet) 25.44

LPH & Water Recovered (gallons): —

Water Column (feet): 10.36

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 17.15

1 Well Volume (gallons): —

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1256			1263	1	17.9	3.30	3.73		
			1245	2	15.6	3.28	3.69		
	1309		1243	3	16.5	3.32	3.72		
Static at Time Sampled			Total Gallons Purged		Sample Time				
15.10			3		1312				
Comments:									

Well No. MW-4

Purge Method: DIA

Depth to Water (feet): 12.66

Depth to Product (feet): —

Total Depth (feet) 25.43

LPH & Water Recovered (gallons): —

Water Column (feet): 12.77

Casing Diameter (Inches): 2

80% Recharge Depth(feet): 15.21

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
1325			2	446	13.9	7.35			
			4	436	14.1	7.35 7.43			
	1332		6	444	13.5	7.48			
Static at Time Sampled			Total Gallons Purged		Sample Time				
12.41			6		1334				
Comments:									

Date of Report: 12/01/2006

Anju Farfan

TRC Alton Geoscience

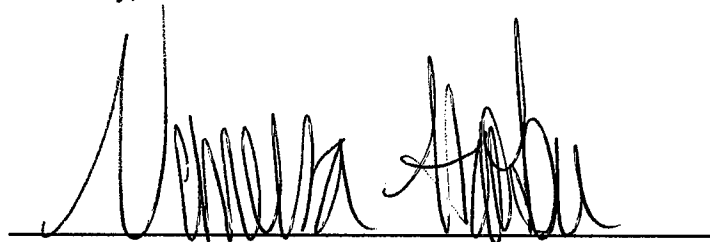
21 Technology Drive
Irvine, CA 92618-2302

RE: 6034

BC Lab Number: 0612360

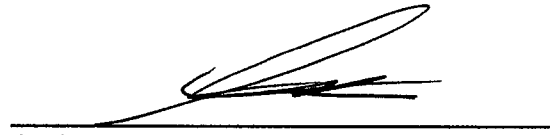
Enclosed are the results of analyses for samples received by the laboratory on 11/28/06 00:39. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Contact Person: Vanessa Hooker

Client Service Rep



Authorized Signature

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

Project: 6034
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 12/01/06 13:42

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
------------	---------------------------

0612360-01	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: MW-2 Sampled By: Mike	Receive Date: 11/28/06 00:39 Sampling Date: 11/21/06 13:12 Sample Depth: --- Sample Matrix: Water	Delivery Work Order: Global ID: Matrix: Sample QC Type (SACode): Cooler ID:
0612360-02	COC Number: --- Project Number: --- Sampling Location: --- Sampling Point: MW-4 Sampled By: Mike	Receive Date: 11/28/06 00:39 Sampling Date: 11/21/06 13:34 Sample Depth: --- Sample Matrix: Water	Delivery Work Order: Global ID: Matrix: Sample QC Type (SACode): Cooler ID:

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

Project: 6034
Project Number: [none]
Project Manager: Anju Farfan

Reported: 12/01/06 13:42

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0612360-01 | **Client Sample Name:** MW-2, 11/21/2006 1:12:00PM, Mike

Constituent	Result	Units	PQL	MDL	Method	Prep	Run	Analyst	Instru- ment ID	Dilution	QC	MB	Lab
						Date	Date/Time				Batch ID	Bias	Quals
Benzene	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Ethylbenzene	7.6	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Methyl t-butyl ether	1.1	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Total Xylenes	8.0	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
Total Purgeable Petroleum Hydrocarbons	240	ug/L	50		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594		
Toluene-d8 (Surrogate)	97.8	%	88 - 110 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 14:47	MWB	MS-V9	1	BPK1594		

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

Project: 6034
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 12/01/06 13:42

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0612360-02		Client Sample Name: MW-4, 11/21/2006 1:34:00PM, Mike											
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	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	11/28/06	11/29/06 15:13	MWB	MS-V9	1	BPK1594		

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

Project: 6034
Project Number: [none]
Project Manager: Anju Farfan

Reported: 12/01/06 13:42

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	Percent Recovery Lab Quals
Benzene	BPK1594	Matrix Spike	0612311-01	ND	21.790	25.000	ug/L		87.2		70 - 130
		Matrix Spike Duplicate	0612311-01	ND	22.180	25.000	ug/L	1.71	88.7	20	70 - 130
Toluene	BPK1594	Matrix Spike	0612311-01	ND	23.690	25.000	ug/L		94.8		70 - 130
		Matrix Spike Duplicate	0612311-01	ND	23.750	25.000	ug/L	0.211	95.0	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BPK1594	Matrix Spike	0612311-01	ND	10.670	10.000	ug/L		107		76 - 114
		Matrix Spike Duplicate	0612311-01	ND	10.560	10.000	ug/L		106		76 - 114
Toluene-d8 (Surrogate)	BPK1594	Matrix Spike	0612311-01	ND	9.9200	10.000	ug/L		99.2		88 - 110
		Matrix Spike Duplicate	0612311-01	ND	9.8700	10.000	ug/L		98.7		88 - 110
4-Bromofluorobenzene (Surrogate)	BPK1594	Matrix Spike	0612311-01	ND	10.460	10.000	ug/L		105		86 - 115
		Matrix Spike Duplicate	0612311-01	ND	10.130	10.000	ug/L		101		86 - 115

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

 Project: 6034
 Project Number: [none]
 Project Manager: Anju Farfan

Reported: 12/01/06 13:42

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		Lab Quals
										Percent Recovery	RPD	
Benzene	BPK1594	BPK1594-BS1	LCS	22.880	25.000	0.50	ug/L	91.5		70 - 130		
Toluene	BPK1594	BPK1594-BS1	LCS	24.360	25.000	0.50	ug/L	97.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPK1594	BPK1594-BS1	LCS	10.410	10.000		ug/L	104		76 - 114		
Toluene-d8 (Surrogate)	BPK1594	BPK1594-BS1	LCS	10.020	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPK1594	BPK1594-BS1	LCS	9.8500	10.000		ug/L	98.5		86 - 115		

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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	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.14	
1,2-Dibromoethane	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.25	
Ethylbenzene	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.13	
Methyl t-butyl ether	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.15	
Toluene	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BPK1594	BPK1594-BLK1	ND	ug/L	1.0	0.40	
t-Amyl Methyl ether	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.31	
t-Butyl alcohol	BPK1594	BPK1594-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.25	
Ethanol	BPK1594	BPK1594-BLK1	ND	ug/L	1000	110	
Ethyl t-butyl ether	BPK1594	BPK1594-BLK1	ND	ug/L	0.50	0.27	
Total Purgeable Petroleum Hydrocarbons	BPK1594	BPK1594-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BPK1594	BPK1594-BLK1	98.9	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPK1594	BPK1594-BLK1	99.4	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPK1594	BPK1594-BLK1	102	%	86 - 115 (LCL - UCL)		

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Notes and Definitions

- J Estimated value
- A53 Chromatogram not typical of gasoline
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Submission #: 06-12360

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: No Ice in container @ time of receive

Custody Seals: Ice Chest Containers None Intact? Yes No Intact? Yes No 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: RLW
Temperature: 8.6 °C
Thermometer ID: 48

Emissivity: 0.98
Container: Q+A

Date/Time: 1/28/06
Analyst Init: AMK

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										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	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/OC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: Sample Numbering Completed By: SLC3 Date/Time: 1/28/06 08:55

06-12360
BC LABORATORIES, INC.

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

CHK BY	DISTRIBUTION
<i>NFI</i>	<i>JKB</i>
	SUB-OUT <input type="checkbox"/>

CHAIN OF CUSTODY

Analysis Requested

Circle one: Phillips 66 / Unocal		Consultant Firm: TRC		MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015 TPH GAS by 8015M TPH DIESEL by 8015 8260 full list w/ MTBE & oxygenates BTEX/MTBE/OXYS BY 8260B ETHANOL by 8260B TPH -G by GC/MS C10B / EDC by 8260B BTEX / MTBE by 8260B	Turnaround Time Requested
Address: 4700 First Street		21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan				
City: Livermore		4-digit site#: 6034				
State: CA Zip:		Workorder # 01525-				
Phillips 66 /Unocal Mgr:		Project #: 41060001/PALD				
Sampler Name: Mike J						
Lab#	Sample Description	Field Point Name	Date & Time Sampled			
	-1	MW-2	11-21-06 1312	GW		90
	-2	MW-4	11-21-06 1334	GW		50

Comments: GLOBAL ID: T060010477	Relinquished by: (Signature) <i>Mike J</i>	Received by: <i>RECEIVED</i>	Date & Time 11-21-06 1430
	Relinquished by: (Signature) <i>Joe D. Lewis</i>	Received by: <i>[Signature]</i>	Date & Time 11-27-06 1258
	Relinquished by: (Signature) <i>[Signature]</i> 11-28-06 0039	Received by: Teri Obafemi	Date & Time 11/28/06 0039

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

STATEMENTS

Purge Water Disposal

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

Limitations

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