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By loprojectop at 10:48 am, Feb 21, 2006



76 Broadway
Sacramento, California 95818

February 10, 2006

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

Re: **Report Transmittal
Quarterly Report
Fourth Quarter – 2005
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



RECEIVED

By loprojectop at 10:48 am, Feb 21, 2006

Solving environment-related business problems worldwide

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3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95670 USA

916.638.2085 800.477.7411

Fax 916.638.8385

February 15, 2006

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

Re: Semi-Annual Summary Report – Fourth Quarter 2005
Delta Project No. C106034011

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

Location

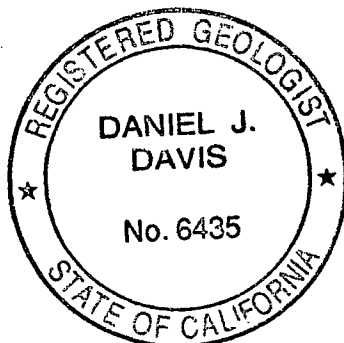
76 Service Station No. 6034

4700 First Street
Livermore, California

Sincerely,
Delta Environmental Consultants, Inc.

Ben Wright
Staff Geologist

Daniel J. Davis, R.G.
Senior Project Manager



Forward: TRC - Semi-Annual Monitoring Report

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

A member of:



SEMI-ANNUAL QUARTERLY SUMMARY REPORT
Fourth Quarter 2005
76 Service Station No. 6034
4700 First Street
Livermore, California

PREVIOUS ASSESSMENT

Two underground storage tanks (UST)s, one waste oil UST, and the product piping were removed from the site in August 1989. Petroleum hydrocarbon concentrations in soil samples collected beneath the fuel USTs were non-detect 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, in order to remove hydrocarbon impacted soil. Petroleum hydrocarbon concentrations in soil samples collected from beneath the waste oil UST were non-detect.

In October 1989, four monitoring wells (MW-1 through MW-4) were installed 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 installed 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 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 through SB-5) were completed to depths of 20 feet bgs. Adsorbed-phase methyl tertiary butyl ether (MTBE) was detected in two of the four samples analyzed at concentrations ranging from 0.042 to 0.064 mg/kg, which exceed 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, MTBE in the groundwater sample collected from SB-3 was detected at 13 micrograms per liter ($\mu\text{g/l}$), above the applicable ESL of 5 $\mu\text{g/l}$.

Groundwater samples collected from MW-2 over the past two years have detected MTBE concentrations ranging from 1.5 to 5.9 $\mu\text{g/l}$.

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 fourth quarter sampling event maximum hydrocarbon concentrations were as follows: total purgeable petroleum hydrocarbons (TPPH) (270 $\mu\text{g/l}$, MW-2), ethylbenzene (4.6 $\mu\text{g/l}$, MW-2), total xylenes (10

µg/l, MW-2), and MTBE (1.5 µg/l, MW-2). The groundwater flow direction and gradient were northwest at 0.02 ft/ft. The depth to groundwater varied from a minimum 14.01 feet (MW-4) to a maximum 15.65 feet (MW-7). Overall, the dissolved hydrocarbon trend is decreasing for MW-2 and MW-4.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

CHARACTERIZATION STATUS

Based on the most current groundwater and soil analytical data, the dissolved gasoline plume appears to be delineated. The dissolved MTBE concentration in the sample from MW-2 was most recently reported at 1.5 µg/l. Groundwater in the site area is designated as a possible drinking water source.

RECENT CORRESPONDENCE

No recent correspondence was documented during this reporting period.

THIS QUARTER ACTIVITIES (Fourth Quarter 2005)

TRC conducted monitoring and sampling of groundwater on October 24, 2005.

WASTE DISPOSAL SUMMARY

No waste was generated this quarter.

NEXT QUARTER ACTIVITIES (First Quarter 2006)

The monitor well network will next be monitored and sampled by TRC during the second quarter 2006.

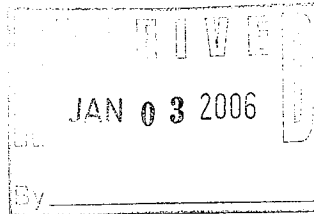
Delta will evaluate site requirements and path to closure based on discussions with the Alameda County Health Care Agency.

CONSULTANT: Delta Environmental Consultants, Inc.



December 5, 2005

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 2005

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

Anju Farfan
QMS Operations Manager

CC: Mr. Eric Hetrick, Delta Environmental Consultants, Inc. (2 copies)

Enclosures
20-0400/6034R08.QMS





**SEMI-ANNUAL MONITORING REPORT
JULY THROUGH DECEMBER 2005**

76 Station 6034
4700 First Street
Livermore, California

Prepared For:

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

By:

A handwritten signature in black ink that reads "Dennis E. Jensen".

A circular professional seal for a Certified Engineering Geologist. The outer ring contains the text "CERTIFIED ENGINEERING GEOLOGIST" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The inner circle contains the name "DENNIS E. JENSEN", the license number "No. EG 1034", and the expiration date "Exp. 4/07".

Senior Project Geologist, Irvine Operations
November 30, 2005



LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH 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 Groundwater Sampling Field Notes
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 2005
76 Station 6034
4700 First Street
Livermore, CA**

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

Water Sampling Contractor: **TRC**
Compiled by: **Jeremiah Hurn**

Date(s) of Gauging/Sampling Event: **10/24/2005**

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: **14.01 feet** Maximum: **15.65 feet**
Average groundwater elevation (relative to available local datum): **504.77 feet**
Average change in groundwater elevation since previous event: **-0.19 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.02 ft/ft, northwest**
 Previous event: **0.02 ft/ft, northwest (6/13/2005)**

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 **TPPH 8260B** **2** Maximum: **270 µg/l (MW-2)**
Wells with **MTBE** **1** Maximum: **1.5 µg/l (MW-2)**

Notes:

MW-1=Monitored Only, MW-3=Monitored Only, MW-5=Monitored Only, MW-6=Dry well, MW-7=Monitored Only,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

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

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: 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 6034 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 24, 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1		(Screen Interval in feet: 11.0-28.5)												
10/24/2005	520.64	15.63	0.00	505.01	-0.14	--	--	--	--	--	--	--	--	Monitored Only
MW-2		(Screen Interval in feet: 11.0-25.0)												
10/24/2005	519.82	15.23	0.00	504.59	-0.11	--	270	ND<0.50	ND<0.50	4.6	10	--	1.5	
MW-3		(Screen Interval in feet: 11.0-25.0)												
10/24/2005	519.66	14.17	0.00	505.49	-0.19	--	--	--	--	--	--	--	--	Monitored Only
MW-4		(Screen Interval in feet: 11.0-25.0)												
10/24/2005	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	
MW-5		(Screen Interval in feet: 10.0-24.0)												
10/24/2005	520.27	15.51	0.00	504.76	-0.20	--	--	--	--	--	--	--	--	Monitored Only
MW-6		(Screen Interval in feet: 10.0-24.0)												
10/24/2005	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
MW-7		(Screen Interval in feet: 10.0-24.0)												
10/24/2005	518.83	15.65	0.00	503.18	-0.18	--	--	--	--	--	--	--	--	Monitored Only

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (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)														
11/18/1989	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
3/8/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/7/1990	--	--	--	--	--	ND	--	ND	1.2	ND	ND	--	--	
12/24/1990	--	--	--	--	--	ND	--	ND	ND	ND	0.4	--	--	
4/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/22/1993	520.88	15.47	0.00	505.41	--	--	--	--	--	--	--	--	--	
7/20/1993	520.88	18.04	0.00	502.84	-2.57	--	--	--	--	--	--	--	--	
10/20/1993	520.64	15.69	0.00	504.95	2.11	--	--	--	--	--	--	--	--	
1/20/1994	520.64	15.65	0.00	504.99	0.04	--	--	--	--	--	--	--	--	
4/21/1994	520.64	15.58	0.00	505.06	0.07	ND	--	ND	ND	ND	ND	--	--	
7/21/1994	520.64	15.62	0.00	505.02	-0.04	--	--	--	--	--	--	--	--	Sampled Annually
10/19/1994	520.64	15.28	0.00	505.36	0.34	--	--	--	--	--	--	--	--	
1/18/1995	520.64	14.56	0.00	506.08	0.72	--	--	--	--	--	--	--	--	
4/17/1995	520.64	14.82	0.00	505.82	-0.26	ND	--	ND	ND	ND	ND	--	--	
7/18/1995	520.64	14.78	0.00	505.86	0.04	--	--	--	--	--	--	--	--	
10/17/1995	520.64	14.83	0.00	505.81	-0.05	--	--	--	--	--	--	--	--	
1/17/1996	520.64	14.96	0.00	505.68	-0.13	--	--	--	--	--	--	--	--	
4/17/1996	520.64	14.47	0.00	506.17	0.49	ND	--	ND	ND	ND	ND	ND	--	
7/16/1996	520.64	14.57	0.00	506.07	-0.10	--	--	--	--	--	--	--	--	
10/16/1996	520.64	14.50	0.00	506.14	0.07	--	--	--	--	--	--	--	--	
4/8/1997	520.64	15.05	0.00	505.59	-0.55	--	--	--	--	--	--	--	--	Sampling Discontinued
10/6/1997	520.64	15.00	0.00	505.64	0.05	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
4/2/1998	520.64	14.80	0.00	505.84	0.20	--	--	--	--	--	--	--	--	
10/7/1998	520.64	14.72	0.00	505.92	0.08	--	--	--	--	--	--	--	--	
4/14/1999	520.64	14.89	0.00	505.75	-0.17	--	--	--	--	--	--	--	--	
10/12/1999	520.64	14.79	0.00	505.85	0.10	--	--	--	--	--	--	--	--	
4/10/2000	520.64	14.93	0.00	505.71	-0.14	--	--	--	--	--	--	--	--	
10/2/2000	520.64	15.18	0.00	505.46	-0.25	--	--	--	--	--	--	--	--	
4/2/2001	520.64	14.72	0.00	505.92	0.46	--	--	--	--	--	--	--	--	
10/5/2001	520.64	15.51	0.00	505.13	-0.79	--	--	--	--	--	--	--	--	
4/1/2002	520.64	15.40	0.00	505.24	0.11	--	--	--	--	--	--	--	--	
10/16/2002	520.64	15.54	0.00	505.10	-0.14	--	--	--	--	--	--	--	--	
4/3/2003	520.64	15.41	0.00	505.23	0.13	--	--	--	--	--	--	--	--	
10/2/2003	520.64	15.58	0.00	505.06	-0.17	--	--	--	--	--	--	--	--	Monitored Only
4/30/2004	520.64	15.65	0.00	504.99	-0.07	--	--	--	--	--	--	--	--	Monitored only
12/1/2004	520.64	15.81	0.00	504.83	-0.16	--	--	--	--	--	--	--	--	Sampled Semi-Annually
6/13/2005	520.64	15.49	0.00	505.15	0.32	--	--	--	--	--	--	--	--	Monitored Only
10/24/2005	520.64	15.63	0.00	505.01	-0.14	--	--	--	--	--	--	--	--	Monitored Only
MW-2 (Screen Interval in feet: 11.0-25.0)														
11/18/1989	--	--	--	--	--	53000	--	540	500	130	22000	--	--	
3/8/1990	--	--	--	--	--	26000	--	230	410	1300	2100	--	--	
6/5/1990	--	--	--	--	--	31000	--	250	460	950	9200	--	--	
9/7/1990	--	--	--	--	--	ND	--	ND	1.5	ND	ND	--	--	
12/24/1990	--	--	--	--	--	32000	--	440	340	460	13000	--	--	
4/10/1991	--	--	--	--	--	22000	--	170	190	490	6200	--	--	
7/10/1991	--	--	--	--	--	14000	--	70	160	570	5400	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
10/14/1991	--	--	--	--	--	11000	--	79	130	660	4700	--	--	
1/14/1992	--	--	--	--	--	5600	--	36	120	450	2600	--	--	
4/6/1992	--	--	--	--	--	760	--	6.3	2.1	ND	130	--	--	
7/7/1992	--	--	--	--	--	44000	--	160	1100	1000	17000	--	--	
10/16/1992	--	--	--	--	--	290	--	2.3	ND	5.1	15	--	--	
1/14/1993	--	--	--	--	--	19000	--	75	430	900	8400	--	--	
4/22/1993	520.17	14.98	0.00	505.19	--	49000	--	150	1000	3000	18000	--	--	
7/20/1993	520.17	17.41	0.00	502.76	-2.43	25000	--	68	94	1000	6200	--	--	
10/20/1993	519.82	15.08	0.00	504.74	1.98	12000	--	27	10	100	3000	--	--	
1/20/1994	519.82	15.02	0.00	504.80	0.06	20000	--	ND	ND	270	3300	--	--	
4/21/1994	519.82	14.96	0.00	504.86	0.06	27000	--	85	65	880	5300	--	--	
7/21/1994	519.82	14.99	0.00	504.83	-0.03	31000	--	58	29	940	6200	--	--	
10/19/1994	519.82	14.80	0.00	505.02	0.19	4100	--	16	3.5	8.6	1100	--	--	
1/18/1995	519.82	14.10	0.00	505.72	0.70	5100	--	6.8	7.3	100	1500	--	--	
4/17/1995	519.82	14.13	0.00	505.69	-0.03	320	--	1.3	0.67	6.6	74	--	--	
7/18/1995	519.82	14.11	0.00	505.71	0.02	12000	--	25	24	550	3700	--	--	
10/17/1995	519.82	14.15	0.00	505.67	-0.04	77000	--	60	58	760	8300	220	--	
1/17/1996	519.82	14.35	0.00	505.47	-0.20	7000	--	15	ND	150	1600	370	--	
4/17/1996	519.82	13.93	0.00	505.89	0.42	19000	--	ND	ND	600	4900	6100	--	
7/16/1996	519.82	14.00	0.00	505.82	-0.07	23000	--	16	22	900	4500	410	--	
10/16/1996	519.82	14.12	0.00	505.70	-0.12	14000	--	28	31	1600	6900	9600	--	
1/13/1997	519.82	--	--	--	--	4300	--	12	5.0	28	890	1300	--	
4/8/1997	519.82	14.49	0.00	505.33	--	4700	--	ND	6.5	170	830	290	--	
10/6/1997	519.82	14.41	0.00	505.41	0.08	5800	--	14	ND	19	860	570	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
4/2/1998	519.82	14.26	0.00	505.56	0.15	24000	--	ND	ND	980	5200	6800	--	
10/7/1998	519.82	14.35	0.00	505.47	-0.09	41000	--	ND	ND	2100	7800	3700	2700	
4/14/1999	519.82	14.54	0.00	505.28	-0.19	720	--	1.2	ND	29	260	95	57	
10/12/1999	519.82	14.50	0.00	505.32	0.04	2200	--	ND	ND	78	480	52	11	
4/10/2000	519.82	14.72	0.00	505.10	-0.22	ND	--	ND	ND	0.815	2.99	28.5	40.1	
10/2/2000	519.82	14.91	0.00	504.91	-0.19	ND	--	ND	ND	0.71	1.0	9.2	11	
4/2/2001	519.82	14.12	0.00	505.70	0.79	ND	--	ND	ND	ND	ND	ND	ND	
10/5/2001	519.82	15.02	0.00	504.80	-0.90	1300	--	4.4	ND<2.5	29	79	ND<25	12	
4/1/2002	519.82	14.94	0.00	504.88	0.08	3500	--	5.1	ND<5.0	120	460	ND<50	14	
10/16/2002	519.82	15.06	0.00	504.76	-0.12	240	--	ND<0.50	ND<0.50	8.2	15	--	ND<2.0	
4/3/2003	519.82	14.96	0.00	504.86	0.10	1300	--	1.5	1.8	23	160	--	6.6	
10/2/2003	519.82	15.11	0.00	504.71	-0.15	--	15000	ND<13	ND<13	290	1400	--	ND<50	
4/30/2004	519.82	15.25	0.00	504.57	-0.14	--	8000	ND<13	ND<13	140	550	--	ND<13	
12/1/2004	519.82	15.37	0.00	504.45	-0.12	--	4700	ND<1.0	ND<1.0	81	240	--	5.9	
6/13/2005	519.82	15.12	0.00	504.70	0.25	--	3300	ND<0.50	ND<0.50	47	200	--	2.5	
10/24/2005	519.82	15.23	0.00	504.59	-0.11	--	270	ND<0.50	ND<0.50	4.6	10	--	1.5	
MW-3 (Screen Interval in feet: 11.0-25.0)														
11/18/1989	--	--	--	--	--	ND	--	0.35	ND	ND	ND	--	--	
3/8/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/7/1990	--	--	--	--	--	1100	--	11	ND	6.6	16	--	--	
12/24/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/22/1993	519.91	14.33	0.00	505.58	--	ND	--	ND	ND	ND	ND	--	--	
7/20/1993	519.91	16.90	0.00	503.01	-2.57	ND	--	ND	ND	ND	ND	--	--	
10/20/1993	519.66	14.42	0.00	505.24	2.23	ND	--	ND	ND	ND	ND	--	--	
1/20/1994	519.66	14.37	0.00	505.29	0.05	--	--	--	--	--	--	--	--	Sampled Annually
4/21/1994	519.66	14.30	0.00	505.36	0.07	ND	--	ND	ND	ND	ND	--	--	
7/21/1994	519.66	14.34	0.00	505.32	-0.04	--	--	--	--	--	--	--	--	Sampled Semi-Annually
10/19/1994	519.66	14.08	0.00	505.58	0.26	ND	--	ND	0.61	ND	0.51	--	--	
1/18/1995	519.66	13.23	0.00	506.43	0.85	--	--	--	--	--	--	--	--	
4/17/1995	519.66	13.20	0.00	506.46	0.03	ND	--	ND	ND	ND	ND	--	--	
7/18/1995	519.66	13.19	0.00	506.47	0.01	--	--	--	--	--	--	--	--	
10/17/1995	519.66	13.24	0.00	506.42	-0.05	ND	--	ND	ND	ND	ND	ND	--	Sampled Annually
1/17/1996	519.66	13.68	0.00	505.98	-0.44	--	--	--	--	--	--	--	--	
4/17/1996	519.66	13.04	0.00	506.62	0.64	ND	--	ND	ND	ND	ND	ND	--	
7/16/1996	519.66	13.24	0.00	506.42	-0.20	--	--	--	--	--	--	--	--	
10/16/1996	519.66	13.10	0.00	506.56	0.14	--	--	--	--	--	--	--	--	
4/8/1997	519.66	13.73	0.00	505.93	-0.63	--	--	--	--	--	--	--	--	Sampling Discontinued
10/6/1997	519.66	13.70	0.00	505.96	0.03	--	--	--	--	--	--	--	--	
4/2/1998	519.66	13.43	0.00	506.23	0.27	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
10/7/1998	519.66	13.33	0.00	506.33	0.10	--	--	--	--	--	--	--	--	
4/14/1999	519.66	13.47	0.00	506.19	-0.14	--	--	--	--	--	--	--	--	
10/12/1999	519.66	13.38	0.00	506.28	0.09	--	--	--	--	--	--	--	--	
4/10/2000	519.66	13.51	0.00	506.15	-0.13	--	--	--	--	--	--	--	--	
10/2/2000	519.66	13.62	0.00	506.04	-0.11	--	--	--	--	--	--	--	--	
4/2/2001	519.66	13.38	0.00	506.28	0.24	--	--	--	--	--	--	--	--	
10/5/2001	519.66	14.10	0.00	505.56	-0.72	--	--	--	--	--	--	--	--	
4/1/2002	519.66	13.98	0.00	505.68	0.12	--	--	--	--	--	--	--	--	
10/16/2002	519.66	14.16	0.00	505.50	-0.18	--	--	--	--	--	--	--	--	
4/3/2003	519.66	13.98	0.00	505.68	0.18	--	--	--	--	--	--	--	--	
10/2/2003	519.66	14.15	0.00	505.51	-0.17	--	--	--	--	--	--	--	--	Monitored Only
4/30/2004	519.66	14.20	0.00	505.46	-0.05	--	--	--	--	--	--	--	--	Monitored only
12/1/2004	519.66	14.37	0.00	505.29	-0.17	--	--	--	--	--	--	--	--	Sampled Semi-Annually
6/13/2005	519.66	13.98	0.00	505.68	0.39	--	--	--	--	--	--	--	--	Monitored Only
10/24/2005	519.66	14.17	0.00	505.49	-0.19	--	--	--	--	--	--	--	--	Monitored Only
MW-4 (Screen Interval in feet: 11.0-25.0)														
11/18/1989	--	--	--	--	--	990	--	9.8	10	7.1	4.7	--	--	
3/8/1990	--	--	--	--	--	1200	--	18	8.4	37	28	--	--	
6/5/1990	--	--	--	--	--	1400	--	1.2	4.7	24	12	--	--	
9/7/1990	--	--	--	--	--	15000	--	100	140	210	4600	--	--	
12/24/1990	--	--	--	--	--	1400	--	ND	8.7	15	10	--	--	
4/10/1991	--	--	--	--	--	950	--	0.84	4.3	9.6	5.0	--	--	
7/10/1991	--	--	--	--	--	830	--	8.4	19	7.7	7.2	--	--	
10/14/1991	--	--	--	--	--	880	--	3.8	2.2	8.6	5.8	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
1/14/1992	--	--	--	--	--	1500	--	4.2	7.1	18	9.2	--	--	
4/6/1992	--	--	--	--	--	660	--	1.3	3.8	2.9	4.1	--	--	
7/7/1992	--	--	--	--	--	340	--	ND	2.2	2.4	2.4	--	--	
10/16/1992	--	--	--	--	--	300	--	2.1	ND	4.8	13	--	--	
1/14/1993	--	--	--	--	--	920	--	ND	6.3	12	3.9	--	--	
4/22/1993	520.12	14.30	0.00	505.82	--	1100	--	8.8	1.0	7.2	6.0	--	--	
7/20/1993	520.12	16.35	0.00	503.77	-2.05	--	--	--	--	--	--	--	--	Not sampled - Sampling access denied
10/20/1993	519.61	14.16	0.00	505.45	1.68	640	--	ND	2.5	2.3	1.9	--	--	
1/20/1994	519.61	14.15	0.00	505.46	0.01	1200	--	ND	2.6	4.7	7.4	--	--	
4/21/1994	519.61	14.13	0.00	505.48	0.02	380	--	0.83	1.2	1.2	1.7	--	--	
7/21/1994	519.61	14.26	0.00	505.35	-0.13	320	--	0.51	1.4	1.0	1.6	--	--	
10/19/1994	519.61	13.95	0.00	505.66	0.31	750	--	ND	3.6	4.2	3.4	--	--	
1/18/1995	519.61	13.16	0.00	506.45	0.79	790	--	1.5	3.3	1.2	2.6	--	--	
4/17/1995	519.61	13.19	0.00	506.42	-0.03	570	--	2.8	ND	3.3	3.9	--	--	
7/18/1995	519.61	13.21	0.00	506.40	-0.02	340	--	1.0	1.9	2.8	2.7	--	--	
10/17/1995	519.61	13.22	0.00	506.39	-0.01	260	--	1.1	0.57	0.69	1.6	2.0	--	
1/17/1996	519.61	13.02	0.00	506.59	0.20	--	--	--	--	--	--	--	--	Sampled Semi-Annually
4/17/1996	519.61	13.08	0.00	506.53	-0.06	720	--	3.0	2.6	6.1	6.9	ND	--	
7/16/1996	519.61	12.91	0.00	506.70	0.17	--	--	--	--	--	--	--	--	
10/16/1996	519.61	12.98	0.00	506.63	-0.07	1100	--	6.6	23	24	85	15	--	
1/13/1997	519.61	--	0.00	--	--	--	--	--	--	--	--	--	--	
4/8/1997	519.61	13.36	0.00	506.25	--	470	--	1.2	1.9	1.2	6.9	ND	--	
10/6/1997	519.61	13.42	0.00	506.19	-0.06	240	--	ND	0.85	0.83	2.3	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
4/2/1998	519.61	12.76	0.00	506.85	0.66	270	--	ND	1.2	ND	4.5	10	--	
10/7/1998	519.61	13.04	0.00	506.57	-0.28	350	--	ND	ND	ND	4.8	ND	--	
4/14/1999	519.61	13.21	0.00	506.40	-0.17	250	--	1.6	ND	3.1	5.6	ND	16	
10/12/1999	519.61	13.16	0.00	506.45	0.05	200	--	1.4	ND	2.3	3.9	ND	--	
4/10/2000	519.61	13.48	0.00	506.13	-0.32	52.8	--	ND	ND	ND	ND	ND	--	
10/2/2000	519.61	13.25	0.00	506.36	0.23	57	--	ND	ND	0.50	0.90	30	--	
4/2/2001	519.61	13.11	0.00	506.50	0.14	ND	--	ND	ND	ND	ND	ND	--	
10/5/2001	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	--	
4/1/2002	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	--	
10/16/2002	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	
4/3/2003	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	
10/2/2003	519.61	14.20	0.00	505.41	-0.51	--	81	ND<0.50	0.86	4.1	9.4	--	ND<2.0	
4/30/2004	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	
12/1/2004	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	
6/13/2005	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	
10/24/2005	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	
MW-5 (Screen Interval in feet: 10.0-24.0)														
4/10/1991	--	--	--	--	--	630	--	35	14	47	30	--	--	
7/10/1991	--	--	--	--	--	220	--	5.1	8.7	9.1	9.7	--	--	
10/14/1991	--	--	--	--	--	660	--	55	4.4	50	66	--	--	
1/14/1992	--	--	--	--	--	99	--	1.0	1.2	ND	0.32	1.2	--	
4/6/1992	--	--	--	--	--	240	--	ND	ND	0.35	ND	--	--	
7/7/1992	--	--	--	--	--	76	--	0.48	1.1	0.32	1.3	1.5	--	
10/16/1992	--	--	--	--	--	180	--	7.8	1.1	17	6.4	2.0	--	

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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
1/14/1993	--	--	--	--	--	91	--	ND	0.53	1.2	11	--	--	
4/22/1993	520.58	15.24	0.00	505.34	--	94	--	1.2	ND	ND	1.3	0.82	--	
7/20/1993	520.58	17.38	0.00	503.20	-2.14	89	--	1.1	0.51	ND	1.8	2.2	--	
10/20/1993	520.27	15.56	0.00	504.71	1.51	110	--	0.8	ND	ND	ND	--	--	
1/20/1994	520.27	15.39	0.00	504.88	0.17	ND	--	ND	ND	ND	ND	--	--	
4/21/1994	520.27	15.41	0.00	504.86	-0.02	ND	--	ND	ND	ND	ND	--	--	
7/21/1994	520.27	15.55	0.00	504.72	-0.14	ND	--	ND	ND	ND	ND	--	--	
10/19/1994	520.27	15.20	0.00	505.07	0.35	ND	--	ND	0.71	ND	0.57	--	--	
1/18/1995	520.27	14.52	0.00	505.75	0.68	ND	--	ND	ND	ND	ND	--	--	
4/17/1995	520.27	14.50	0.00	505.77	0.02	ND	--	ND	ND	ND	ND	--	--	
7/18/1995	520.27	14.41	0.00	505.86	0.09	ND	--	ND	ND	ND	1.1	--	--	
10/17/1995	520.27	14.46	0.00	505.81	-0.05	ND	--	ND	ND	ND	ND	ND	--	
1/17/1996	520.27	14.48	0.00	505.79	-0.02	--	--	--	--	--	--	--	--	Sampled Annually
4/17/1996	520.27	14.22	0.00	506.05	0.26	ND	--	ND	ND	ND	ND	ND	--	
7/16/1996	520.27	14.27	0.00	506.00	-0.05	--	--	--	--	--	--	--	--	
10/16/1996	520.27	14.15	0.00	506.12	0.12	--	--	--	--	--	--	--	--	
4/8/1997	520.27	14.71	0.00	505.56	-0.56	--	--	--	--	--	--	--	--	Sampling Discontinued
10/6/1997	520.27	14.71	0.00	505.56	0.00	--	--	--	--	--	--	--	--	
4/2/1998	520.27	14.28	0.00	505.99	0.43	--	--	--	--	--	--	--	--	
10/7/1998	520.27	14.40	0.00	505.87	-0.12	--	--	--	--	--	--	--	--	
4/14/1999	520.27	14.63	0.00	505.64	-0.23	--	--	--	--	--	--	--	--	
10/12/1999	520.27	14.48	0.00	505.79	0.15	--	--	--	--	--	--	--	--	
4/10/2000	520.27	14.76	0.00	505.51	-0.28	--	--	--	--	--	--	--	--	
10/2/2000	520.27	14.65	0.00	505.62	0.11	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
4/2/2001	520.27	14.20	0.00	506.07	0.45	--	--	--	--	--	--	--	--	
10/5/2001	520.27	15.47	0.00	504.80	-1.27	--	--	--	--	--	--	--	--	
4/1/2002	520.27	15.18	0.00	505.09	0.29	--	--	--	--	--	--	--	--	
10/16/2002	520.27	15.50	0.00	504.77	-0.32	--	--	--	--	--	--	--	--	
4/3/2003	520.27	15.14	0.00	505.13	0.36	--	--	--	--	--	--	--	--	
10/2/2003	520.27	15.66	0.00	504.61	-0.52	--	--	--	--	--	--	--	--	Monitored Only
4/30/2004	520.27	15.55	0.00	504.72	0.11	--	--	--	--	--	--	--	--	Monitored only
12/1/2004	520.27	15.62	0.00	504.65	-0.07	--	--	--	--	--	--	--	--	Sampled Semi-Annually
6/13/2005	520.27	15.31	0.00	504.96	0.31	--	--	--	--	--	--	--	--	Monitored Only
10/24/2005	520.27	15.51	0.00	504.76	-0.20	--	--	--	--	--	--	--	--	Monitored Only
MW-6 (Screen Interval in feet: 10.0-24.0)														
4/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed
1/14/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed
4/22/1993	519.34	--	0.00	--	--	--	--	--	--	--	--	--	--	Obstructed
7/20/1993	519.34	--	0.00	--	--	--	--	--	--	--	--	--	--	Obstructed
10/20/1993	518.75	14.20	0.00	504.55	--	ND	--	ND	ND	ND	ND	--	--	
1/20/1994	518.75	14.14	0.00	504.61	0.06	ND	--	ND	ND	ND	ND	--	--	
4/21/1994	518.75	14.10	0.00	504.65	0.04	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
7/21/1994	518.75	14.12	0.00	504.63	-0.02	ND	--	ND	ND	ND	ND	--	--	
10/19/1994	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
1/18/1995	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
4/17/1995	518.75	13.82	0.00	504.93	--	ND	--	ND	ND	ND	ND	--	--	
7/18/1995	518.75	13.84	0.00	504.91	-0.02	ND	--	ND	ND	ND	ND	--	--	
10/17/1995	518.75	13.90	0.00	504.85	-0.06	ND	--	ND	ND	ND	ND	2.2	--	
1/17/1996	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Sampled Annually - Obstructed by roots
4/17/1996	518.75	13.66	0.00	505.09	--	ND	--	ND	ND	ND	ND	ND	--	
7/16/1996	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/16/1996	518.75	13.72	0.00	505.03	--	--	--	--	--	--	--	--	--	
4/8/1997	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/6/1997	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
4/2/1998	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
10/7/1998	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed by roots
4/14/1999	518.75	13.82	0.00	504.93	--	--	--	--	--	--	--	--	--	
10/12/1999	518.75	13.72	0.00	505.03	0.10	--	--	--	--	--	--	--	--	
4/10/2000	518.75	13.40	0.00	505.35	0.32	--	--	--	--	--	--	--	--	
10/2/2000	518.75	13.63	0.00	505.12	-0.23	--	--	--	--	--	--	--	--	
4/2/2001	518.75	13.31	0.00	505.44	0.32	--	--	--	--	--	--	--	--	
10/5/2001	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in Well
4/1/2002	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Obstruction in Well
10/16/2002	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry
4/3/2003	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
10/2/2003	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/30/2004	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
12/1/2004	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
6/13/2005	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
10/24/2005	518.75	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
MW-7 (Screen Interval in feet: 10.0-24.0)														
4/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/10/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/14/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/7/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/14/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/22/1993	519.37	14.25	0.00	505.12	--	ND	--	ND	ND	ND	ND	--	--	
7/20/1993	519.37	16.68	0.00	502.69	-2.43	ND	--	ND	ND	ND	ND	--	--	
10/20/1993	518.83	14.29	0.00	504.54	1.85	ND	--	ND	ND	ND	ND	--	--	
1/20/1994	518.83	14.22	0.00	504.61	0.07	ND	--	ND	ND	ND	ND	--	--	
4/21/1994	518.83	14.17	0.00	504.66	0.05	ND	--	ND	ND	ND	ND	--	--	
7/21/1994	518.83	14.21	0.00	504.62	-0.04	ND	--	ND	ND	ND	ND	--	--	
10/19/1994	518.83	14.05	0.00	504.78	0.16	ND	--	ND	0.87	ND	0.61	--	--	
1/18/1995	518.83	13.34	0.00	505.49	0.71	ND	--	ND	ND	ND	ND	--	--	
4/17/1995	518.83	13.38	0.00	505.45	-0.04	ND	--	ND	ND	ND	ND	--	--	
7/18/1995	518.83	13.36	0.00	505.47	0.02	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1989 Through October 2005
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 (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
10/17/1995	518.83	13.41	0.00	505.42	-0.05	ND	--	ND	ND	ND	ND	3.5	--	
1/17/1996	518.83	13.56	0.00	505.27	-0.15	--	--	--	--	--	--	--	--	Sampled Annually
4/17/1996	518.83	13.21	0.00	505.62	0.35	ND	--	ND	ND	ND	ND	ND	--	
7/16/1996	518.83	13.22	0.00	505.61	-0.01	--	--	--	--	--	--	--	--	
10/16/1996	518.83	13.58	0.00	505.25	-0.36	--	--	--	--	--	--	--	--	
4/8/1997	518.83	13.73	0.00	505.10	-0.15	--	--	--	--	--	--	--	--	Sampling Discontinued
10/6/1997	518.83	13.65	0.00	505.18	0.08	--	--	--	--	--	--	--	--	
4/2/1998	518.83	13.55	0.00	505.28	0.10	--	--	--	--	--	--	--	--	
10/7/1998	518.83	13.64	0.00	505.19	-0.09	--	--	--	--	--	--	--	--	
4/14/1999	518.83	13.75	0.00	505.08	-0.11	--	--	--	--	--	--	--	--	
10/12/1999	518.83	13.61	0.00	505.22	0.14	--	--	--	--	--	--	--	--	
4/10/2000	518.83	13.85	0.00	504.98	-0.24	--	--	--	--	--	--	--	--	
10/2/2000	518.83	14.19	0.00	504.64	-0.34	--	--	--	--	--	--	--	--	
4/2/2001	518.83	13.86	0.00	504.97	0.33	--	--	--	--	--	--	--	--	Sampling Discontinued
10/5/2001	518.83	14.30	0.00	504.53	-0.44	--	--	--	--	--	--	--	--	
4/1/2002	518.83	14.23	0.00	504.60	0.07	--	--	--	--	--	--	--	--	
10/16/2002	518.83	14.30	0.00	504.53	-0.07	--	--	--	--	--	--	--	--	
4/3/2003	518.83	14.27	0.00	504.56	0.03	--	--	--	--	--	--	--	--	
10/2/2003	518.83	14.35	0.00	504.48	-0.08	--	--	--	--	--	--	--	--	Monitored Only
4/30/2004	518.83	14.35	0.00	504.48	0.00	--	--	--	--	--	--	--	--	Monitored only
12/1/2004	518.83	14.66	0.00	504.17	-0.31	--	--	--	--	--	--	--	--	Sampled Semi-Annually
6/13/2005	518.83	15.47	0.00	503.36	-0.81	--	--	--	--	--	--	--	--	Monitored Only
10/24/2005	518.83	15.65	0.00	503.18	-0.18	--	--	--	--	--	--	--	--	Monitored Only

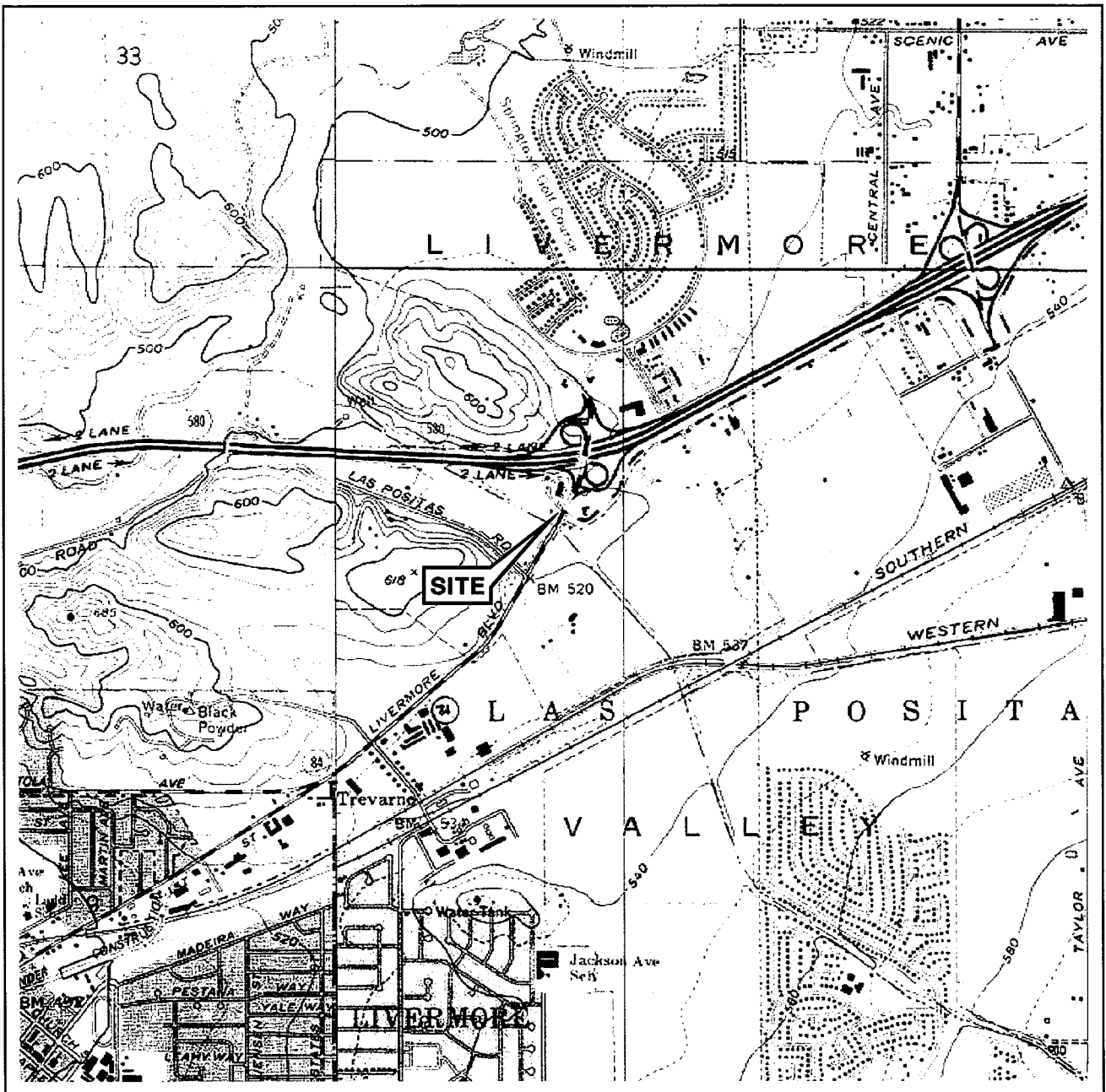
Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 6034

Date Sampled	EDC (µg/l)	Chloro- form (µg/l)	TCE (µg/l)	EDB (µg/l)	Pre-Purge DO (mg/l)	Post Purge DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)
MW-1												
3/8/1990	--	ND	ND	--	--	--	--	--	--	--	--	4.7
6/5/1990	--	ND	ND	--	--	--	--	--	--	--	--	ND
9/7/1990	--	ND	ND	--	--	--	--	--	--	--	--	ND
12/24/1990	--	ND	ND	--	--	--	--	--	--	--	--	ND
4/10/1991	--	ND	ND	--	--	--	--	--	--	--	--	ND
7/10/1991	--	ND	ND	--	--	--	--	--	--	--	--	ND
4/21/1994	--	ND	ND	--	--	--	--	--	--	--	--	ND
4/17/1995	--	0.69	ND	--	--	--	--	--	--	--	--	ND
4/17/1996	--	ND	ND	--	--	--	--	--	--	--	--	ND
7/16/1996	--	--	--	--	4.24	4.28	--	--	--	--	--	--
MW-2												
7/18/1995	--	--	--	--	--	4.22	--	--	--	--	--	--
10/17/1995	--	--	--	--	--	3.96	--	--	--	--	--	--
1/17/1996	--	--	--	--	--	5.25	--	--	--	--	--	--
4/17/1996	--	--	--	--	--	2.59	--	--	--	--	--	--
7/16/1996	--	--	--	--	4.46	4.35	--	--	--	--	--	--
10/16/1996	--	--	--	--	3.87	2.92	--	--	--	--	--	--
1/13/1997	--	--	--	--	4.76	--	--	--	--	--	--	--
4/8/1997	--	--	--	--	3.76	3.42	--	--	--	--	--	--
10/6/1997	--	--	--	--	4.13	3.59	--	--	--	--	--	--
4/2/1998	--	--	--	--	6.32	3.16	--	--	--	--	--	--
10/7/1998	--	--	--	--	3.85	--	--	--	--	--	--	--
4/14/1999	ND	--	--	ND	3.14	--	ND	ND	ND	ND	ND	--
10/12/1999	--	--	--	--	2.96	--	ND	ND	ND	ND	ND	--
4/10/2000	ND	--	--	ND	3.47	--	ND	ND	ND	ND	ND	--
10/2/2000	ND	--	--	ND	3.77	--	ND	ND	ND	ND	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 6034

Date Sampled	EDC (µg/l)	Chloro- form (µg/l)	TCE (µg/l)	EDB (µg/l)	Pre-Purge DO (mg/l)	Post Purge DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)
MW-2 continued												
4/2/2001	ND	--	--	ND	3.95	--	ND	ND	ND	ND	ND	--
10/5/2001	ND<2	--	--	ND<2	2.89	--	ND<2	ND<100	ND<2	ND<2	ND<1000	--
4/1/2002	ND<2	--	--	ND<2	3.15	--	ND<2	ND<100	ND<2	ND<2	ND<500	--
10/16/2002	ND<2	--	--	ND<2	3.08	--	ND<2	ND<100	ND<2	ND<2	ND<500	--
4/3/2003	ND<2	--	--	ND<2	2.60	--	ND<2	ND<100	ND<2	ND<2	ND<500	--
10/2/2003	ND<50	--	--	ND<50	3.53	--	ND<50	ND<2500	ND<50	ND<50	ND<13000	--
4/30/2004	ND<13	--	--	ND<13	1.78	--	ND<13	ND<130	ND<25	ND<13	ND<1300	--
12/1/2004	ND<1.0	--	--	ND<1.0	5.42	5.66	ND<1.0	32	ND<2.0	ND<1.0	ND<100	--
6/13/2005	ND<0.50	--	--	ND<0.50	5.76	4.79	ND<0.50	9.6	ND<0.50	ND<0.50	ND<50	--
10/24/2005	ND<0.50	--	--	ND<0.50	2.29	2.16	ND<0.50	ND<10	ND<0.50	ND<0.50	ND<250	--
MW-3												
7/16/1996	--	--	--	--	4.19	4.20	--	--	--	--	--	--
MW-4												
7/16/1996	--	--	--	--	4.25	4.30	--	--	--	--	--	--
1/13/1997	--	--	--	--	4.97	--	--	--	--	--	--	--
4/14/1999	ND	--	--	ND	--	--	ND	ND	ND	ND	ND	--
10/2/2003	--	--	--	--	--	--	--	--	--	--	ND<500	--
4/30/2004	--	--	--	--	--	--	--	--	--	--	ND<50	--
12/1/2004	--	--	--	--	--	--	--	--	--	--	ND<50	--
6/13/2005	--	--	--	--	--	--	--	--	--	--	ND<50	--
10/24/2005	--	--	--	--	--	--	--	--	--	--	ND<250	--
MW-5												
7/16/1996	--	--	--	--	4.18	4.21	--	--	--	--	--	--
MW-7												
7/16/1996	--	--	--	--	4.20	4.19	--	--	--	--	--	--

FIGURES



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



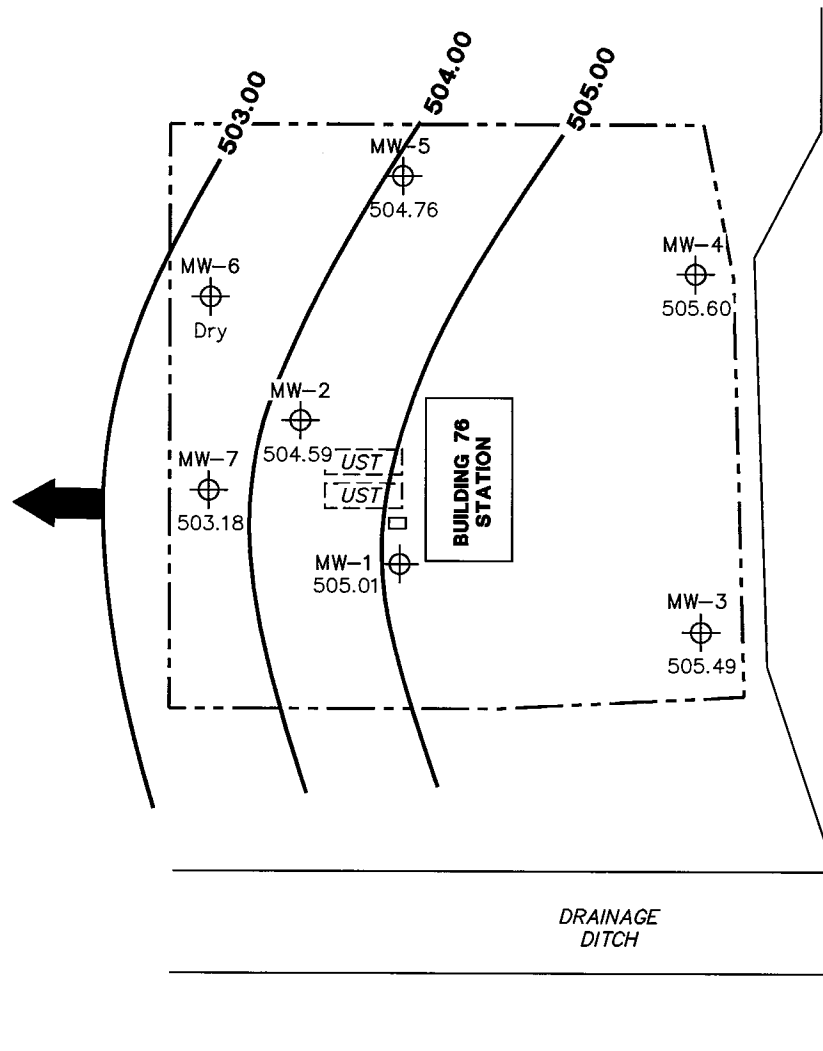
VICINITY MAP

76 Station 6034
4700 First Street
Livermore, California

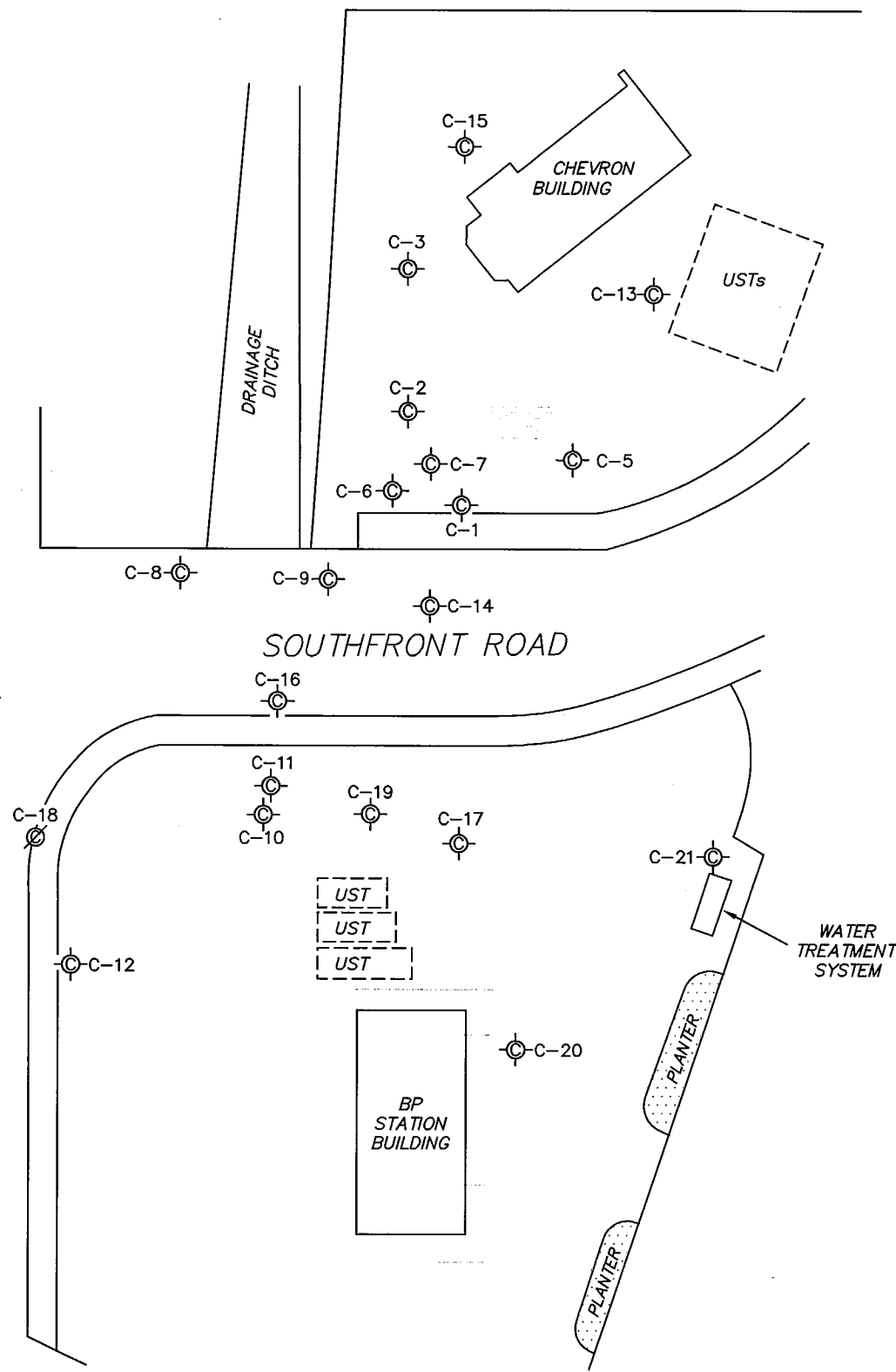
FIGURE 1

TRC

PS = 1:1



FIRST STREET



LEGEND

- MW-7 ⊕ Monitoring Well with Groundwater Elevation (feet)
- C-21 ⊕ Chevron Monitoring Well
- C-18 ⊕ Abandoned Chevron Well
- 505.00 — 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.

**GROUNDWATER ELEVATION
 CONTOUR MAP
 October 24, 2005**

76 Station 6034
 4700 First Street
 Livermore, California

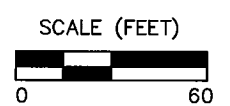
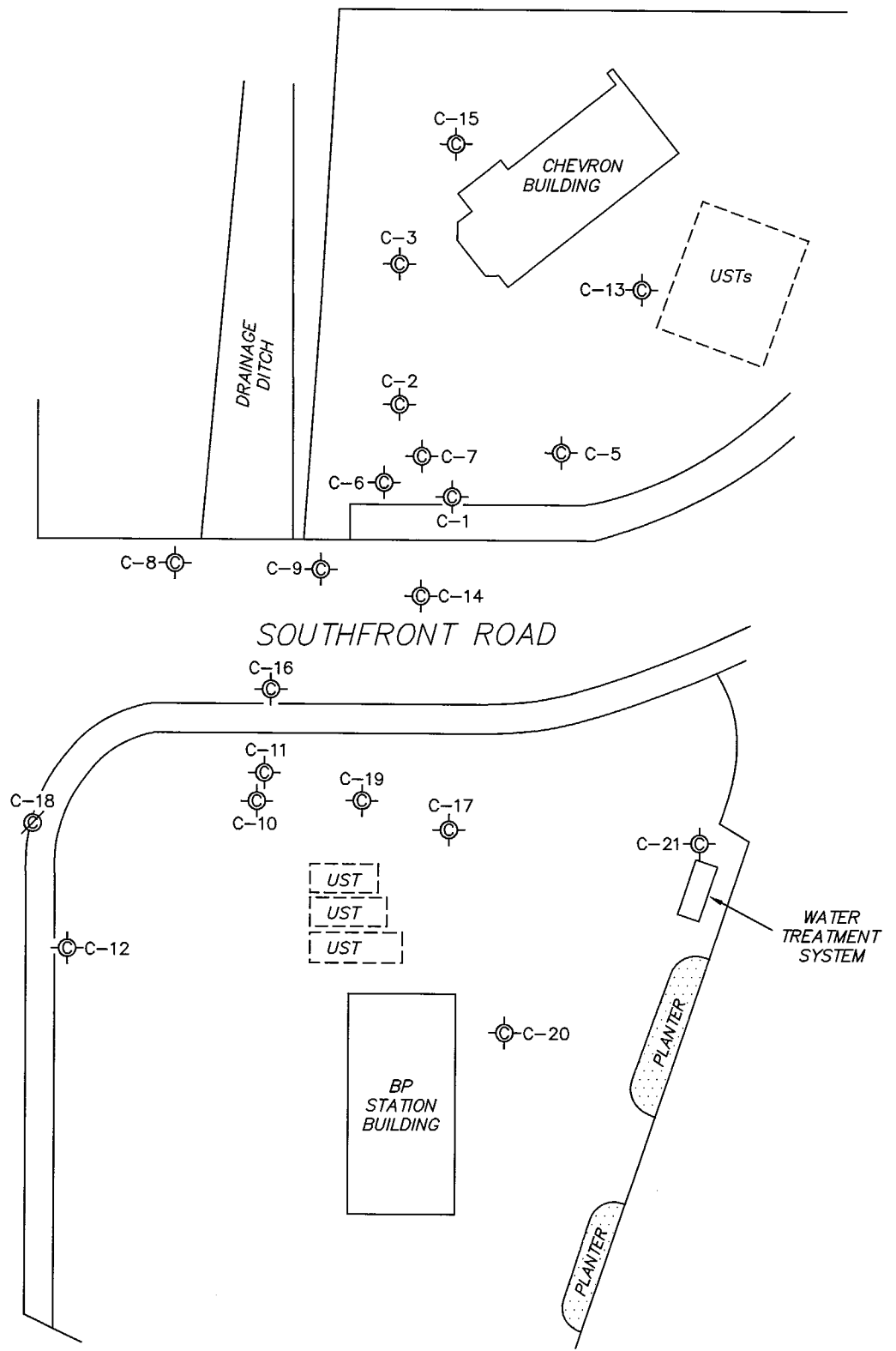
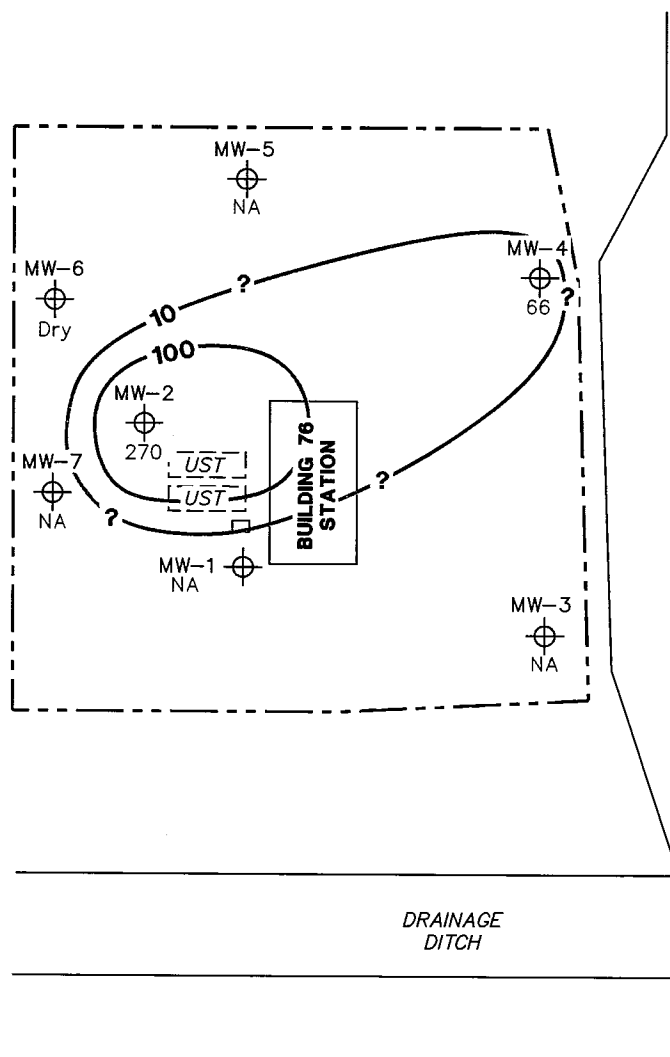


FIGURE 2

PS=1:1 6034-003



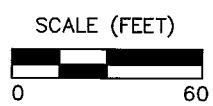
LEGEND

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

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

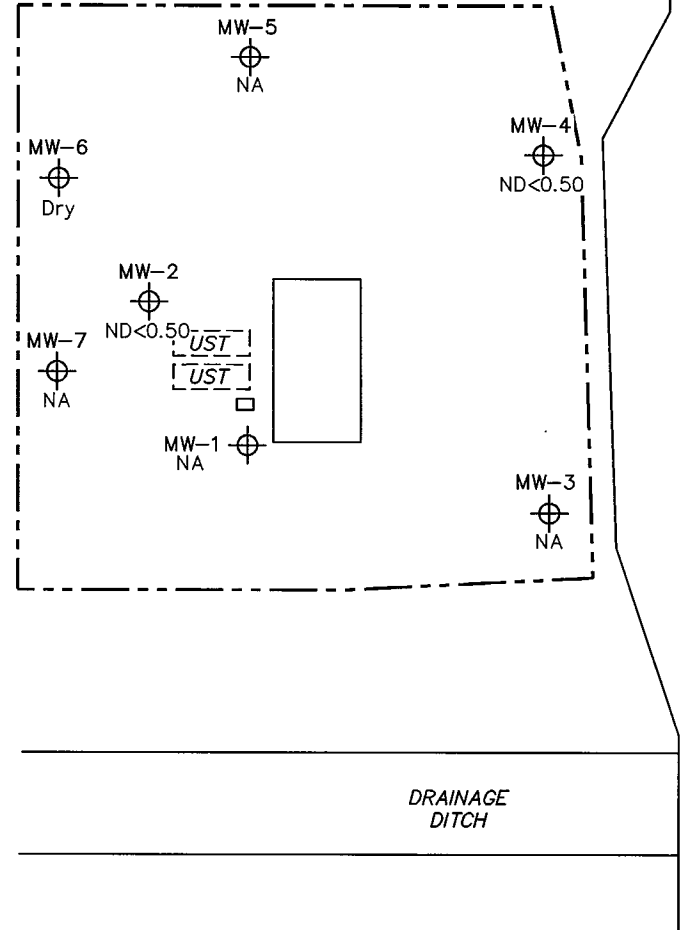
DISSOLVED-PHASE TPPH CONCENTRATION MAP
 October 24, 2005

76 Station 6034
 4700 First Street
 Livermore, California

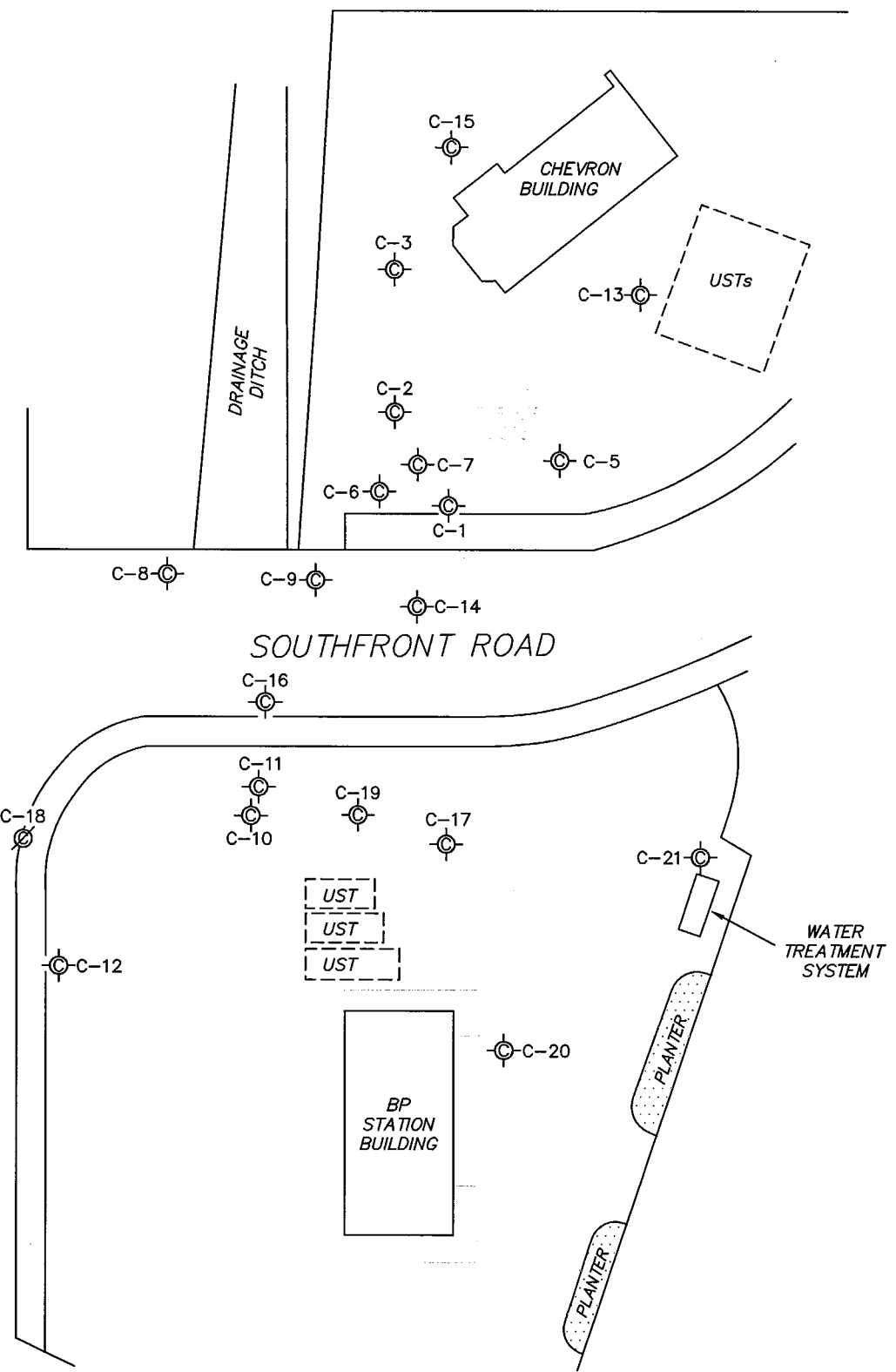


TRC **FIGURE 3**

PS=1:1 6034-003



FIRST STREET



LEGEND

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

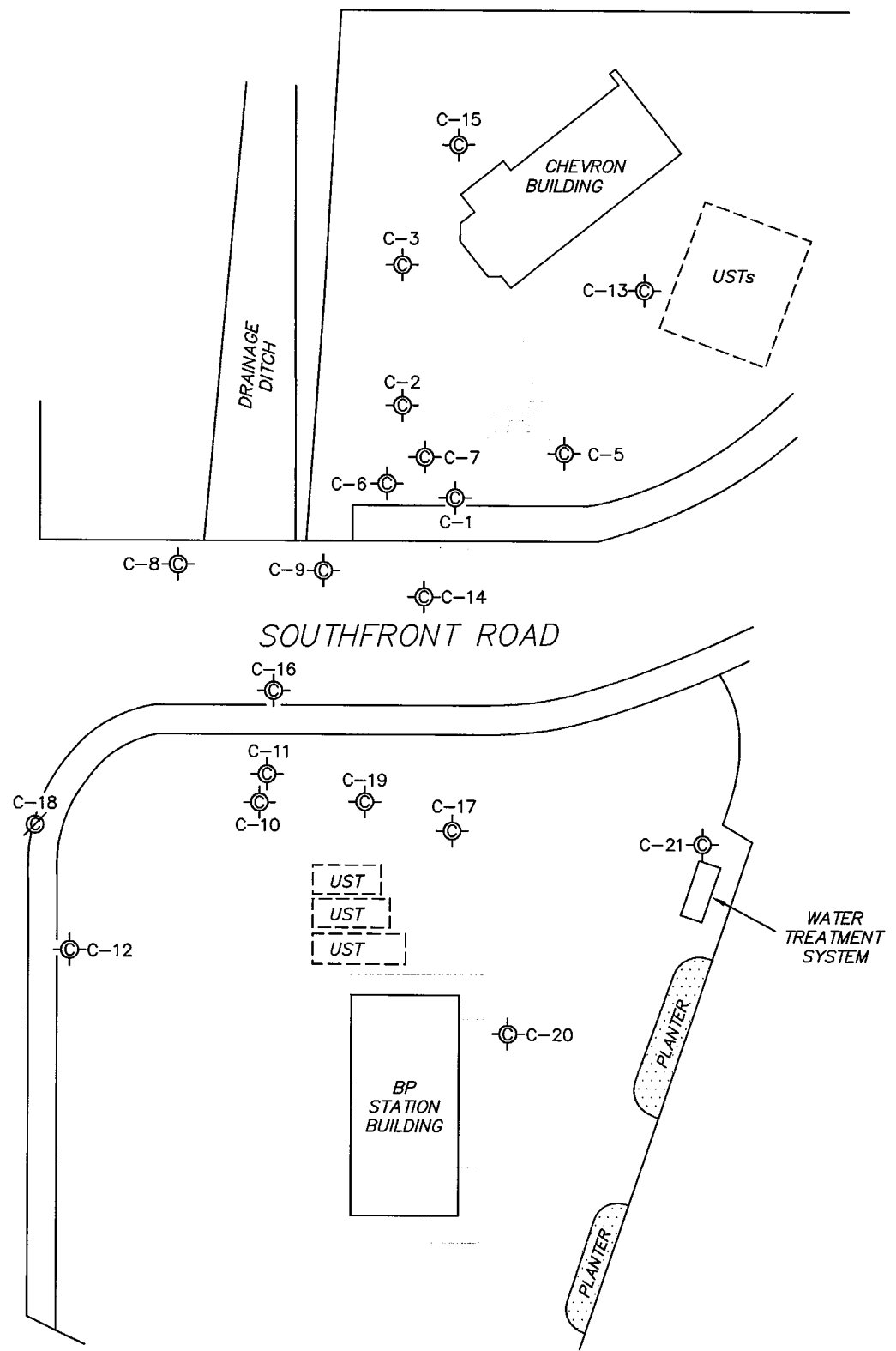
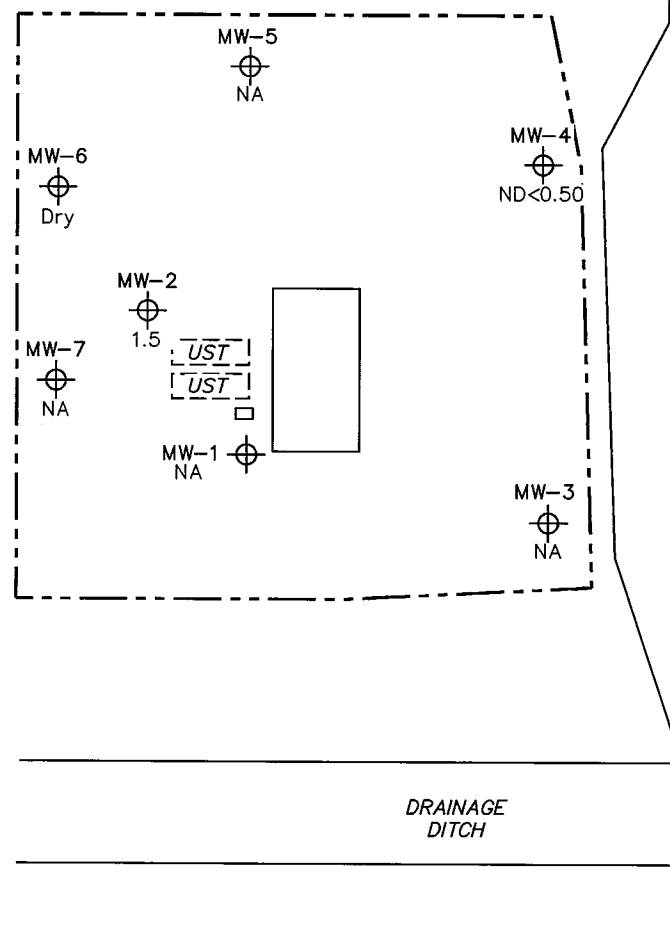
NOTES:
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 NA = not analyzed, measured, or collected.
 UST = underground storage tank.

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
 October 24, 2005

76 Station 6034
 4700 First Street
 Livermore, California



PS=1:1 6034-003



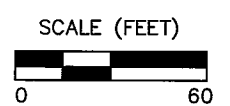
LEGEND

- 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. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8260B.

**DISSOLVED-PHASE MTBE
 CONCENTRATION MAP
 October 24, 2005**

76 Station 6034
 4700 First Street
 Livermore, California



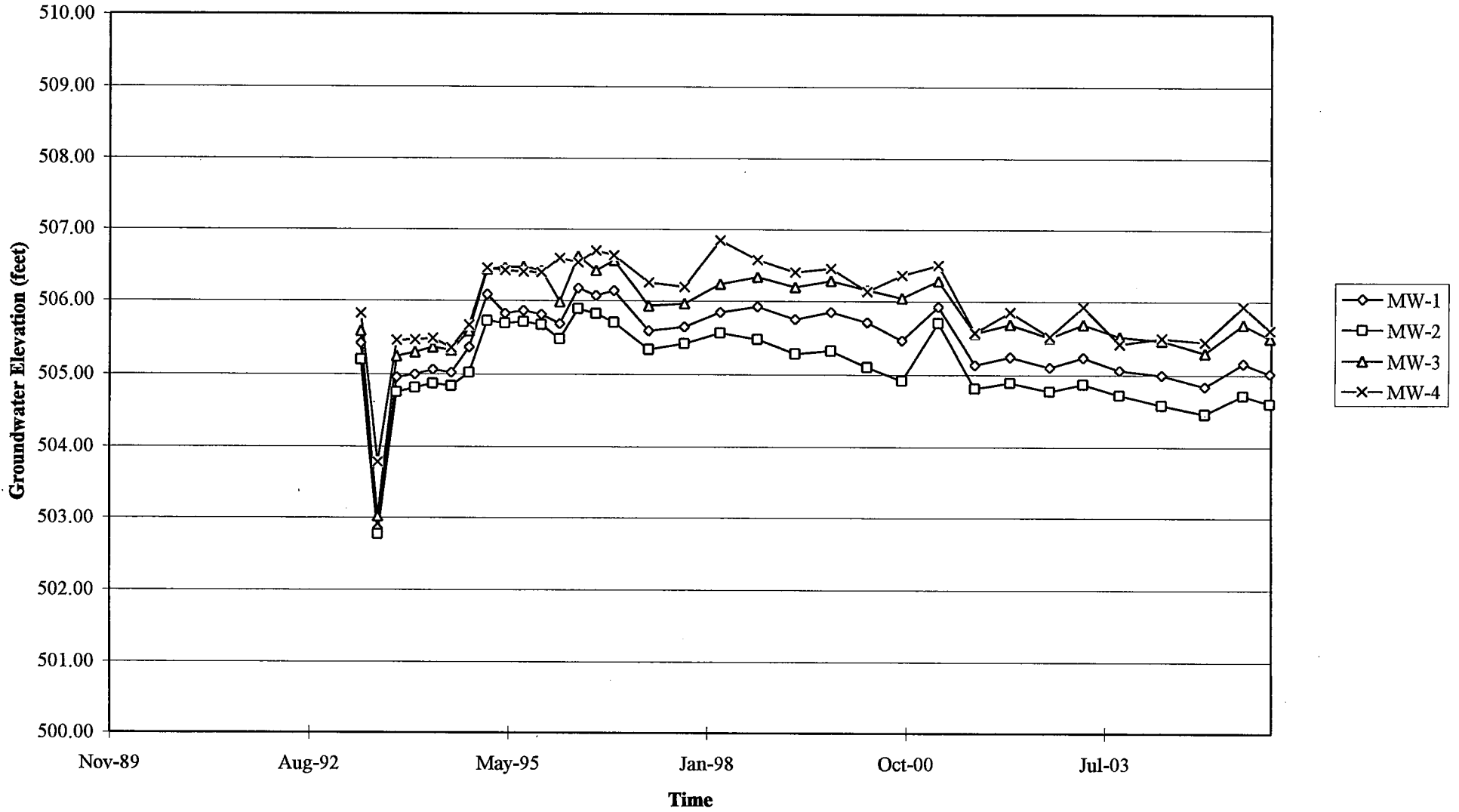
PS=1:1 6034-003



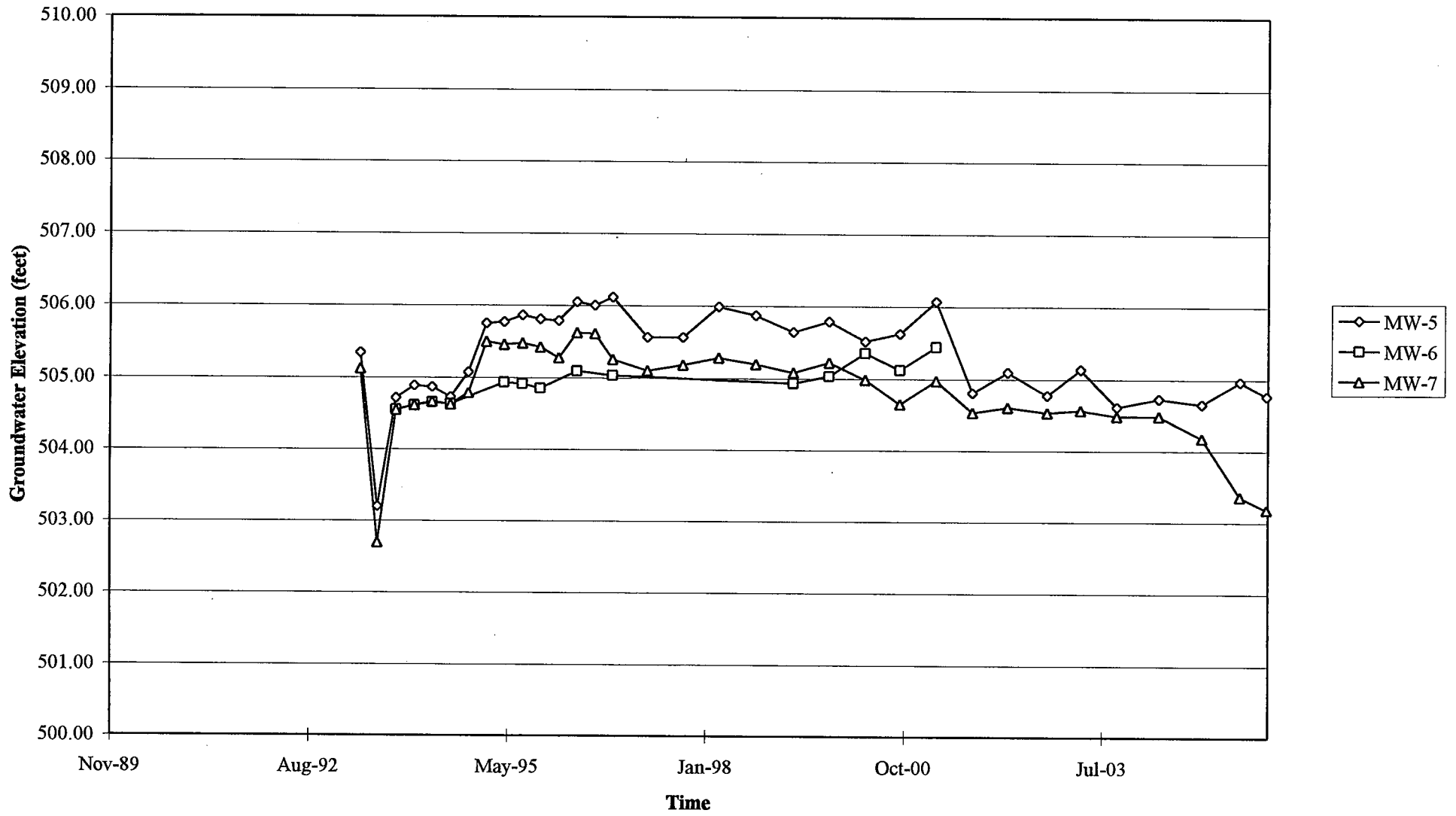
FIGURE 5

GRAPHS

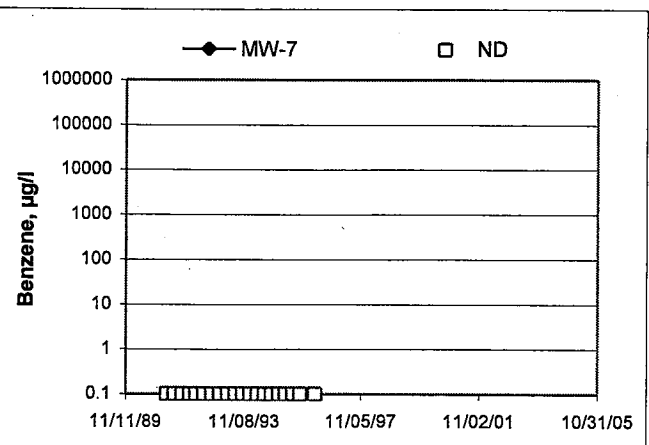
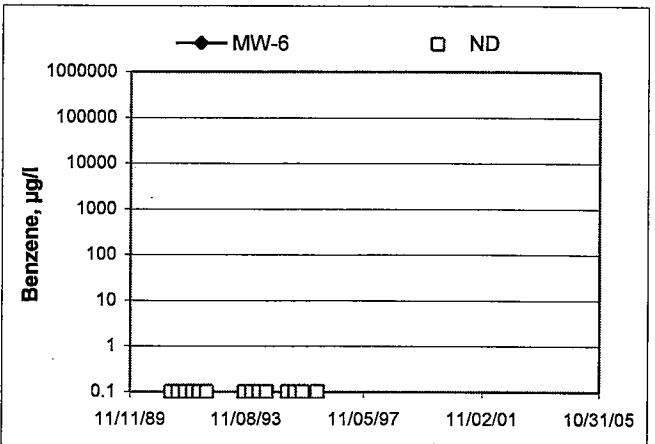
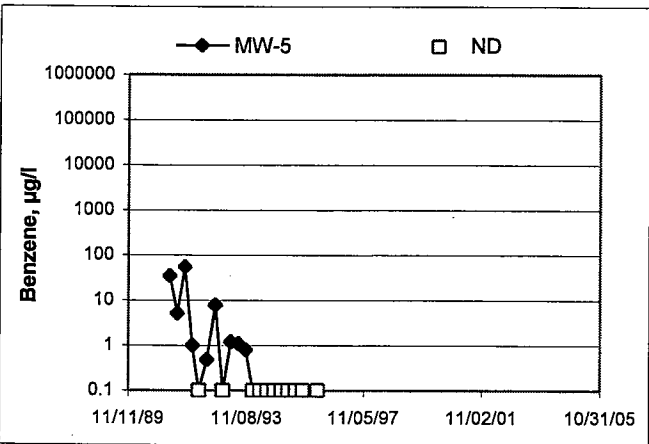
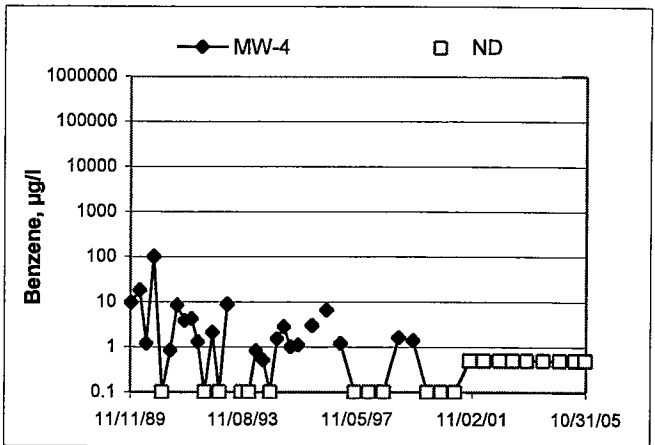
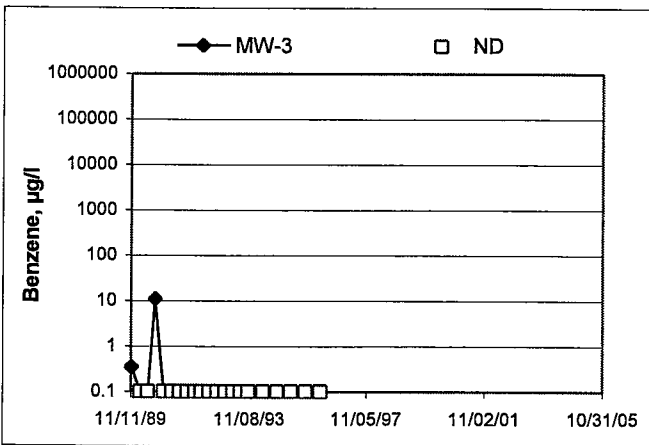
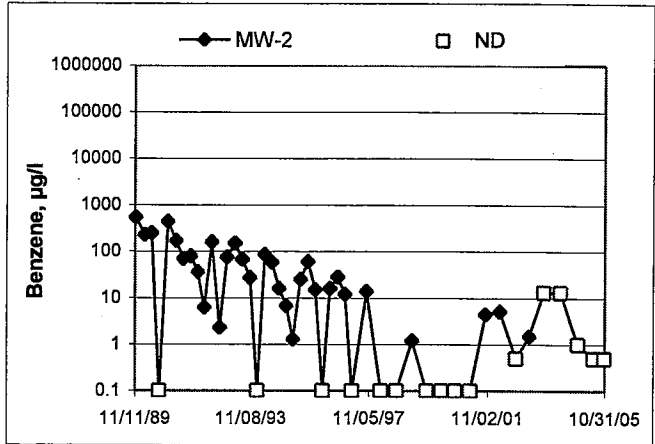
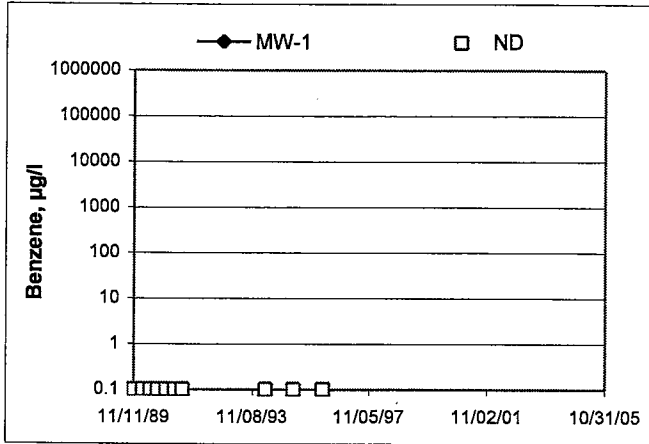
Groundwater Elevations vs. Time
76 Station 6034



Groundwater Elevations vs. Time
76 Station 6034



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.

FIELD MONITORING DATA SHEET

Technician: S157

Job #/Task #: 44050001 / fire2

Date: 10/24/15

Site # 6034

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-1	1049	✓	27.79	15.63	0	0	N/S	2" m/o
Mw-3	1056	↓	25.35	14.17	↓	↓	↓	↓
Mw-5	1107	↓	23.54	15.51	↓	↓	↓	↓
Mw-6	1114	↓	12.52	DRI	↓	↓	↓	"dry"
Mw-7	1121	↓	23.58	15.65	↓	↓	↓	↓
* Mw-4	1127	↓	25.40	14.01	↓	↓	1257	↓
* Mw-2	1135	↓	25.59	15.23	↓	↓	1215	↓
FIELD DATA COMPLETE			QA/QC			QOC	WELL BOX CONDITION SHEETS	
WTT CERTIFICATE			MANIFEST		DRUM INVENTORY		TRAFFIC CONTROL	

GROUNDWATER SAMPLING FIELD NOTES

Technician: B. B. B.

Site: 6034

Project No.: 41050001 / FAZU

Date: 10/24/05

Well No.: AW-4

Purge Method: DIA

(0973)

Depth to Water (feet): 14.01

Depth to Product (feet): 0

Total Depth (feet): 25.40

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.39

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.29

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
1146			2	761	20.1	7.87		
			4	754	20.2	7.46		
	1151		6	831	19.8	8.11		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
14.04			6		1157			
Comments:								

Well No.: AW-2

Purge Method: DIA

(0973)

Depth to Water (feet): 15.23

Depth to Product (feet): 0

Total Depth (feet): 25.59

LPH & Water Recovered (gallons): 0

Water Column (feet): 10.36

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 17.30

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
1204			2	1205	19.6	6.97		2.29 mg/L
			4	1219	20.3	7.84		2.19 mg/L
	1209		6	1203	20.7	8.27		2.16 mg/L
Static at Time Sampled			Total Gallons Purged		Time Sampled			
15.24			6		1215			
Comments:								



Laboratories, Inc

Date of Report: 11/04/2005

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 6034

BC Lab Number: 0510645

Enclosed are the results of analyses for samples received by the laboratory on 10/25/05 22:30. 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: 11/04/05 09:59

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0510645-01	COC Number:	---	Receive Date:	10/25/05 22:30	Delivery Work Order (LabW:
	Project Number:	6034	Sampling Date:	10/24/05 11:57	Global ID: T0600101477
	Sampling Location:	MW-4	Sample Depth:	---	Matrix: W
	Sampling Point:	MW-4	Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Basi of TRCI			Cooler ID:

0510645-02	COC Number:	---	Receive Date:	10/25/05 22:30	Delivery Work Order (LabW:
	Project Number:	6034	Sampling Date:	10/24/05 12:15	Global ID: T0600101477
	Sampling Location:	MW-2	Sample Depth:	---	Matrix: W
	Sampling Point:	MW-2	Sample Matrix:	Water	Sample QC Type (SACode): CS
	Sampled By:	Basi of TRCI			Cooler ID:



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

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

Reported: 11/04/05 09:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0510645-01 Client Sample Name: 6034, MW-4, MW-4, 10/24/2005 11:57:00AM, Basi

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	0.50		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Toluene	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Ethanol	ND	ug/L	250		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
Total Purgeable Petroleum Hydrocarbons	66	ug/L	50		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.7	%	76 - 114 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361		
Toluene-d8 (Surrogate)	96.0	%	88 - 110 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361		
4-Bromofluorobenzene (Surrogate)	93.3	%	86 - 115 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 14:54	svm	MS-V4	1	BOJ1361		



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

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

Reported: 11/04/05 09:59

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0510645-02 **Client Sample Name:** 6034, MW-2, MW-2, 10/24/2005 12:15:00PM, Basi

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	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Ethylbenzene	4.6	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Methyl t-butyl ether	1.5	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Toluene	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Total Xylenes	10	ug/L	1.0		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Ethanol	ND	ug/L	250		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
Total Purgeable Petroleum Hydrocarbons	270	ug/L	50		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361	ND	
1,2-Dichloroethane-d4 (Surrogate)	91.3	%	76 - 114 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361		
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361		
4-Bromofluorobenzene (Surrogate)	94.9	%	86 - 115 (LCL - UCL)		EPA-8260	10/31/05	11/01/05 03:38	svm	MS-V4	1	BOJ1361		



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

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

Reported: 11/04/05 09:59

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits	
										RPD	Percent Recovery Lab Quals
Benzene	BOJ1361	BOJ1361-MS1	Matrix Spike	ND	27.450	25.000	ug/L		110		70 - 130
		BOJ1361-MSD1	Matrix Spike Duplicate	ND	27.330	25.000	ug/L	0.913	109	20	70 - 130
Toluene	BOJ1361	BOJ1361-MS1	Matrix Spike	ND	25.560	25.000	ug/L		102		70 - 130
		BOJ1361-MSD1	Matrix Spike Duplicate	ND	25.730	25.000	ug/L	0.976	103	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOJ1361	BOJ1361-MS1	Matrix Spike	ND	9.6900	10.000	ug/L		96.9		76 - 114
		BOJ1361-MSD1	Matrix Spike Duplicate	ND	9.1800	10.000	ug/L		91.8		76 - 114
Toluene-d8 (Surrogate)	BOJ1361	BOJ1361-MS1	Matrix Spike	ND	9.5900	10.000	ug/L		95.9		88 - 110
		BOJ1361-MSD1	Matrix Spike Duplicate	ND	9.6300	10.000	ug/L		96.3		88 - 110
4-Bromofluorobenzene (Surrogate)	BOJ1361	BOJ1361-MS1	Matrix Spike	ND	9.8300	10.000	ug/L		98.3		86 - 115
		BOJ1361-MSD1	Matrix Spike Duplicate	ND	9.9000	10.000	ug/L		99.0		86 - 115



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

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

Reported: 11/04/05 09:59

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	BOJ1361	BOJ1361-BS1	LCS	27.280	25.000	0.50	ug/L	109		70 - 130		
Toluene	BOJ1361	BOJ1361-BS1	LCS	26.300	25.000	0.50	ug/L	105		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BOJ1361	BOJ1361-BS1	LCS	9.1200	10.000		ug/L	91.2		76 - 114		
Toluene-d8 (Surrogate)	BOJ1361	BOJ1361-BS1	LCS	9.6600	10.000		ug/L	96.6		88 - 110		
4-Bromofluorobenzene (Surrogate)	BOJ1361	BOJ1361-BS1	LCS	9.6300	10.000		ug/L	96.3		86 - 115		



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

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

Reported: 11/04/05 09:59

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	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromoethane	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.25	
Ethylbenzene	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.14	
Methyl t-butyl ether	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.15	
Toluene	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BOJ1361	BOJ1361-BLK1	ND	ug/L	1.0	0.40	
t-Amyl Methyl ether	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.31	
t-Butyl alcohol	BOJ1361	BOJ1361-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.25	
Ethyl t-butyl ether	BOJ1361	BOJ1361-BLK1	ND	ug/L	0.50	0.27	
Total Purgeable Petroleum Hydrocarbons	BOJ1361	BOJ1361-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BOJ1361	BOJ1361-BLK1	88.9	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOJ1361	BOJ1361-BLK1	96.4	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOJ1361	BOJ1361-BLK1	89.8	%	86 - 115 (LCL - UCL)		



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

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

Reported: 11/04/05 09:59

Notes and Definitions

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

Submission #: 05-10695

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 Containers None Comments: Intact? Yes No Intact? Yes No

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

COC Received YES NO

Ice Chest ID: P/W Temperature: 3.7 °C Thermometer ID: 48

Emissivity: .97 Container: V09

Date/Time: 10/25 2230 Analyst Init: HEM

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc. Handwritten 'A.3' is present in the first two columns of the 40ml VOA VIAL row.

Comments: Sample Numbering Completed By: HEM Date/Time: 10/26/04

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID: _____
Page 1 of 1

Report To: TRC
Client: TRC
Attn: Angie Phillips
Street Address: 21 Technology Dr
City, State, Zip: Riverside, CA 92518
Phone: 951-341-7440 Fax: 951-753-0011
Email Address: alma@trcstation.com
Submittal #: 05-10645

Project #: 4105000-1P120
Project Name: Conoco Phillips
Project Code: 6034
Sampler(s): TRC

Analysis Requested

TPPH by 8260 B
BTEX by 8260 B
BTEX by 8260 B
BTEX by 8260 B
ETOH by 8260 B

36578

Comments:

Sample #	Description	Date Sampled	Time Sampled	TPPH by 8260 B	BTEX by 8260 B	BTEX by 8260 B	BTEX by 8260 B	ETOH by 8260 B	Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days *	Notes
1	MW-4	11/24/05	1157	X	X	X						X			15	310#3 w/label
2	MW-2	11/24/05	1215					X				X			15	

CHK BY: ASD
DISTRIBUTION: MAILED
SUB-OUT:

Billing Same as above

Client: Conoco Phillips

Address: _____ State: _____ Zip: _____

Attn: _____ PO#: _____

Report Drinking Waters on State Form? Yes No

Send Copy to State of CA? Yes No

Sample Disposal: Return to Client Disposal by lab Archive: Months _____

Special Reporting: QC WIP Raw Data

1. Relinquished By: <u>ASD</u> Date: <u>10/24/05</u> Time: <u>1545</u>	1. Received By: <u>Rebecca TRC</u> Date: <u>10/24/05</u> Time: <u>1545</u>
2. Relinquished By: <u>Steve Cole</u> Date: <u>10/25/05</u> Time: <u>1310</u>	2. Received By: <u>Rebecca TRC</u> Date: <u>10/25/05</u> Time: <u>1310</u>
3. Relinquished By: <u>Rebecca TRC</u> Date: <u>10/25/05</u> Time: <u>1745</u>	3. Received By: <u>David McPhie</u> Date: <u>10-25-05</u> Time: <u>1745</u>

Northern CA

Rebecca TRC David McPhie 10/25/05 2230

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.