RO 443

Delta
Environmental
Consultants, Inc.

Solving environment-related business problems worldwide

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

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www.deltaenv.com

January 31, 2006

Mr. Don Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: **Semi-Annual Summary Report – April 2005 Through September 2005**
Delta Project No. C1Q-5430-031

Dear Mr. Hwang:

Delta Environmental Consultants, Inc. is submitting this Semi-Annual Summary Report – April 2005 Through September 2005 and forwarding TRC's *Semi-Annual Monitoring Report April 2005 Through September 2005*, dated October 10, 2005, for the following location:

Service Station	**Location**
76 Service Station No. 5430	1935 Washington Ave. San Leandro, California

Sincerely,
Delta Environmental Consultants, Inc.

REGISTERED GEOLOGIST
DANIEL J. DAVIS
No. 6435
STATE OF CALIFORNIA

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

Enclosure

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

ConocoPhillips

76 Broadway
Sacramento, California 95818

January 17, 2006

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

Re: **Report Transmittal**
Semi-Annual Summary Report – April 2005 Through September 2005
76 Service Station #5430
1935 Washington Avenue
San Leandro, CA

Dear Mr. Hwang:

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

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

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

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment

SEMI-ANNUAL SUMMARY REPORT
April 2005 through September 2005
76 Service Station No. 5430
1935 Washington Ave.
San Leandro, California

PREVIOUS ASSESSMENT

The site has been an active service station since 1965. Unocal files indicate a product line leak may have occurred in June 1976 and that one of the original underground gasoline tanks failed a precision test in October 1981. In December 1981, the two original steel gasoline storage tanks were replaced with two fiberglass gasoline storage tanks.

In August 1993, five exploratory soil borings (U-A through U-E) and three onsite groundwater monitoring wells (U-1 through U-3) were installed. This investigation is documented in *Soil and Groundwater Investigation Report* prepared by Pacific Environmental Group (PEG), dated December 2, 1993.

In February 1995, four additional monitoring wells were installed. Three wells were installed onsite (U-4 through U-6) and one was installed offsite (U-7). This installation is documented in *Soil and Groundwater Investigation Report* prepared by PEG, dated June 21, 1995.

In July 1997, three direct-push borings were advanced on the property south of the 76 Station. The results of this investigation are documented in *Soil and Groundwater Investigation* report prepared by PEG, dated September 11, 1997. Based on the results of this investigation, the southern extent of hydrocarbon impact to groundwater was considered delineated.

In May 1998, a well search was conducted by PEG and showed three private domestic wells, nine irrigation wells and twelve monitoring wells within a one-half mile radius of the site. The results of this well search are documented in *Offsite Research and Sensitive Receptor Survey* prepared by PEG, dated June 10, 1998.

In July and August 1998, the product dispensers and associated underground product piping were replaced. Additionally, the underground waste-oil storage tank was replaced with an above-ground waste oil storage tank. A total of 50 cubic yards of soil was over-excavated and removed from the site.

SENSITIVE RECEPTOR SURVEY

In May 1998, a well search was conducted by PEG reported three private domestic wells, nine irrigation wells and twelve monitoring wells within a one-half mile radius of the site. The results of this well search are documented in an *Offsite Research and Sensitive Receptor Survey* prepared by PEG dated June 10, 1998.

MONITORING AND SAMPLING

The site has been monitored and sampled since the third quarter 1993. Quarterly monitoring and sampling was conducted until September 1996 when the sampling interval

changed to semi-annual. The monitoring and sampling frequency continues to be semi-annual.

There are currently six onsite groundwater monitoring wells and one offsite groundwater monitoring well in use at the site. Two of the wells (U-3 and U-5) were noted as being paved over prior to the April through September 2004 event, and were not sampled during the last two monitoring and sampling events. Monitor well U-3 has been located and the current status of U-5 will be confirmed prior to the March 2006 sampling event.

CHARACTERIZATION STATUS

Hydrocarbon impact in soil has been adequately evaluated. The groundwater hydrocarbon plume is considered stable. For the current monitoring and sampling data, the maximum dissolved TPPH, benzene and MtBE concentrations were reported as 3,200 µg/l, 6.6 µg/l and 1.3 µg/l respectively.

April 2005 Through September 2005

The site was monitored and groundwater samples collected on September 21-22, 2005. The average groundwater elevation decreased 2.32 feet from the previous event (March 2005). Depth to groundwater ranged from 28.53 feet (U-7) to 30.10 feet (U-1) below top of casing (TOC). The groundwater gradient was 0.03 ft/ft and the flow direction was south.

Six monitor wells, five onsite and one offsite, were monitored and sampled. Monitor well U-5 was noted as paved over and not sampled or gauged.

Petroleum Hydrocarbon Concentrations

TPPH was reported in the sample from monitor well U-6 at a concentration of 3,200 µg/l, an increase from 1,100 µg/l in March 2005. Monitor well U-3 had a concentration of 1,600 µg/l. The remaining sampled wells had concentrations below the method detection limit of 50 µg/l, consistent with the previous monitoring and sampling event.

Benzene was present in the sample from well U-6 at a concentration of 4.0 µg/l, down slightly from the previous event concentration of 5.8 µg/l. Monitor well U-3 had a benzene concentration of 6.6 µg/l, down slightly but consistent with the last time it was sampled in March 2004. The remaining sampled wells had concentrations below the method detection limit of 0.50 µg/l, consistent with the previous monitoring and sampling event.

MtBE was reported in the samples from wells U-2, U-3 and U-6 at concentrations of 1.3 µg/l, 0.76 µg/l and 1.1 µg/l. The concentrations reported in the previous event were also very low. The remaining sampled wells had concentrations below the method detection limit of 0.50 µg/l, consistent with the previous monitoring and sampling event.

RECENT CORRESPONDENCE

No regulatory correspondence was sent or received in the period April through Sepember 2005.

This Semi-Annual Period Activities (April through September 2005)

1. TRC conducted the semi-annual monitoring and sampling event on September 21 and 22, 2005.

2. Delta conducted a site visit on June 6, 2005 and located monitor well U-3 but was not able to locate well U-5. An additional search for well U-5 will be conducted using available survey data.

Next Semi-Annual Period Activities (October 2005 through March 2006)

1. TRC will conduct groundwater monitoring and sampling at the site.

CONSULTANT: Delta Environmental Consultants, Inc.

TRC

JAN 06 2006

January 4, 2006

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 5430
1935 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

RE: REVISED FIGURE 2
APRIL 2005 THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

Please find enclosed our revised Figure 2 for 76 Station 5430, located at 1935 Washington Blvd., San Leandro, California. If you have any questions regarding this report, please call us at (949) 753-0101.

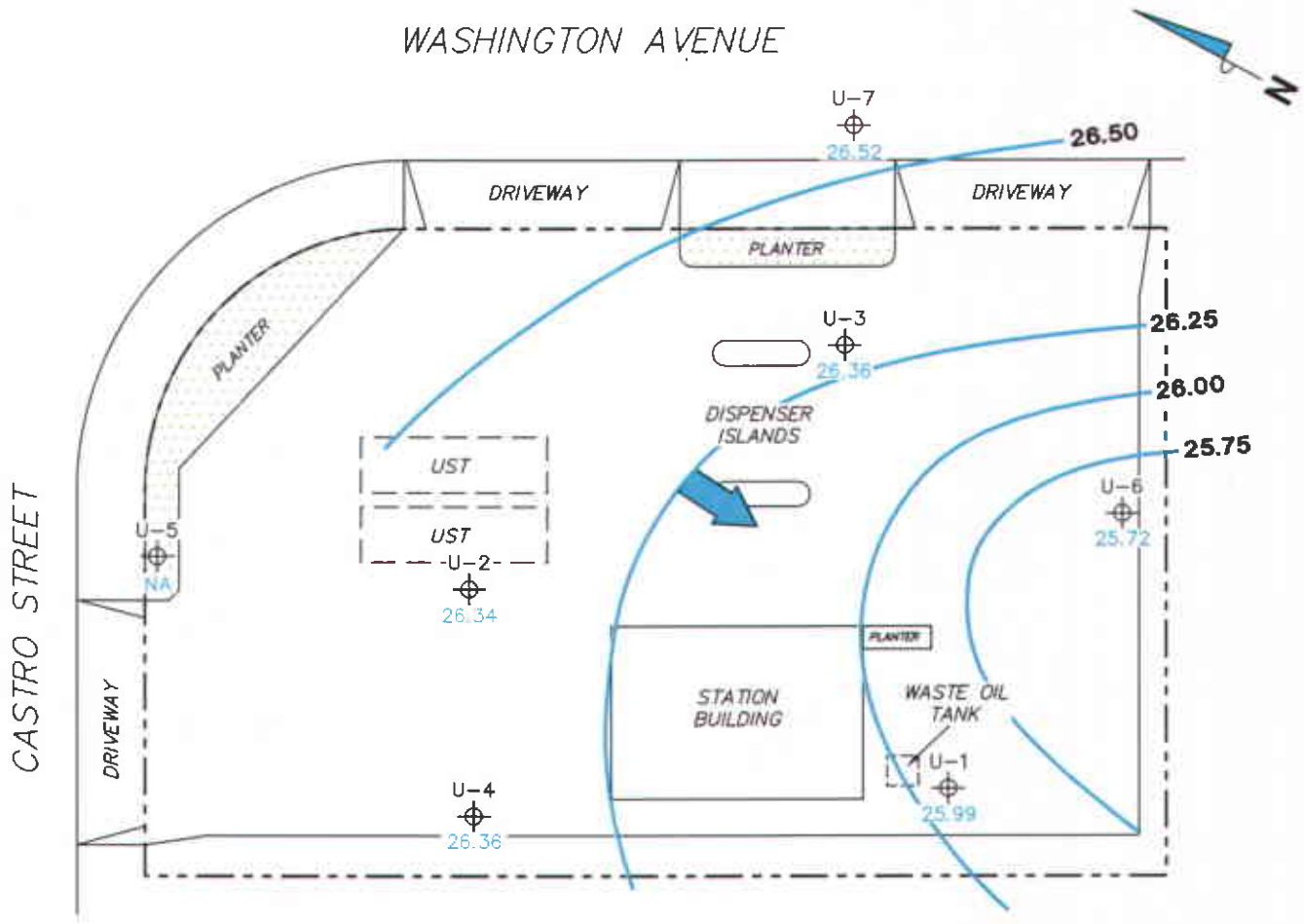
Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Jan Wagoner, Delta Environmental

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



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected. UST = underground storage tank.

LEGEND

U-7 ⊕ Monitoring Well with Groundwater Elevation (feet)

26.50 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
September 21, 2005

76 Station 5430
1935 Washington Avenue
San Leandro, California

TRC

SCALE (FEET)
0 30

FIGURE 2

PS=1:1 5430-003

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TRC

Customer-Focused Solutions

October 11, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: 76 STATION 5430
1935 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
APRIL 2005 THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 5430, located at 1935 Washington Blvd., San Leandro, 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. Jan Wagoner, Delta Environmental (3 copies)

Enclosures
20-0400/5430R05.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

TRC

Customer-Focused Solutions

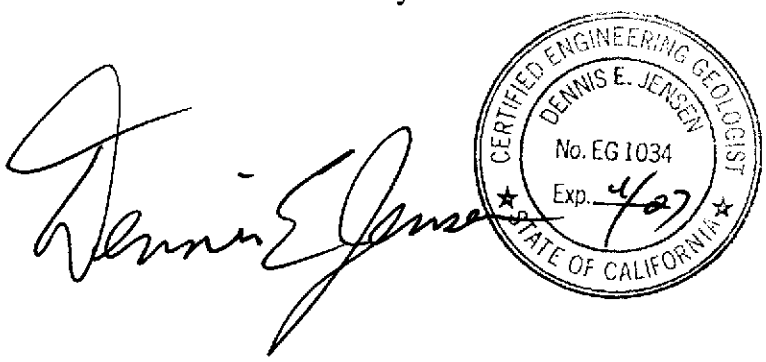
SEMI-ANNUAL MONITORING REPORT
APRIL 2005 THROUGH SEPTEMBER 2005

76 STATION 5430
1935 Washington Avenue
San Leandro, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations
October 10, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

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 Table 3b: Additional Analytical Results Table 3c: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G 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
April 2005 through September 2005
76 Station 5430
1935 Washington Avenue
San Leandro, CA

Project Coordinator: **Thomas Kosel** Water Sampling Contractor: ***TRC***
Telephone: **916-558-7666** Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **09/21/05, 09/22/05**

Sample Points

Groundwater wells: **6** onsite, **1** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm pump/bailer**
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: **28.53 feet** Maximum: **30.1 feet**
Average groundwater elevation (relative to available local datum): **26.21 feet**
Average change in groundwater elevation since previous event: **-2.32 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.03 ft/ft, south**
Previous event: **0.01 ft/ft, south (03/03/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **2** Wells above MCL (1.0 µg/l): **2**
Maximum reported benzene concentration: **6.6 µg/l (U-3)**

Wells with **TPPH 8260B** **2** Maximum: **3,200 µg/l (U-6)**
Wells with **MTBE** **3** Maximum: **1.3 µg/l (U-2)**

Notes:

U-5=Planter Covering Well,

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

TABLES

TABLE KEY

STANDARD ABREVIATIONS

--	=	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 resurvey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 5430 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

September 21, 2005

76 Station 5430

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
U-1		**(Screen Interval in feet: 20.0-40.0)**												
9/21/2005	56.09	30.10	0.00	25.99	-2.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-2		**(Screen Interval in feet: 20.0-40.0)**												
9/22/2005	55.29	28.95	0.00	26.34	-2.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
U-3		**(Screen Interval in feet: 20.0-40.0)**												
9/22/2005	55.23	28.87	0.00	26.36	--	--	1600	6.6	ND<0.50	110	8.9	--	0.76	
U-4		**(Screen Interval in feet: 25.0-40.0)**												
9/21/2005	55.39	29.03	0.00	26.36	-2.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5		**(Screen Interval in feet: 25.0-40.0)**												
9/22/2005	54.18	--	--	--	--	--	--	--	--	--	--	--	--	Planter Covering Well
U-6		**(Screen Interval in feet: 25.0-40.0)**												
9/22/2005	55.36	29.64	0.00	25.72	-2.48	--	3200	4.0	ND<0.50	160	3.6	--	1.1	
U-7		**(Screen Interval in feet: 25.0-40.0)**												
9/21/2005	55.05	28.53	0.00	26.52	-2.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1993 Through September 2005

76 Station 5430

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
U-1	**(Screen Interval in feet: 20.0-40.0)**													
8/13/1993	56.58	31.60	0.00	24.98	--	310	--	0.84	ND	2.6	1.0	--	--	
9/7/1993	56.58	31.60	0.00	24.98	0.00	--	--	--	--	--	--	--	--	
12/16/1993	56.10	33.19	0.00	22.91	-2.07	ND	--	ND	ND	ND	ND	--	--	
1/13/1994	56.10	33.06	0.00	23.04	0.13	--	--	--	--	--	--	--	--	
2/9/1994	56.10	32.70	0.00	23.40	0.36	--	--	--	--	--	--	--	--	
3/25/1994	56.10	31.07	0.00	25.03	1.63	58	--	0.63	0.79	ND	0.65	--	--	
5/18/1994	56.10	31.76	0.00	24.34	-0.69	--	--	--	--	--	--	--	--	
6/19/1994	56.10	32.26	0.00	23.84	-0.50	51	--	ND	1.4	ND	2.7	--	--	
7/27/1994	56.10	33.07	0.00	23.03	-0.81	--	--	--	--	--	--	--	--	
8/18/1994	56.10	33.50	0.00	22.60	-0.43	--	--	--	--	--	--	--	--	
9/15/1994	56.10	33.93	0.00	22.17	-0.43	ND	--	0.5	0.85	ND	0.77	--	--	
10/11/1994	56.10	33.25	0.00	22.85	0.68	--	--	--	--	--	--	--	--	
11/8/1994	56.10	34.05	0.00	22.05	-0.80	--	--	--	--	--	--	--	--	
12/6/1994	56.10	32.37	0.00	23.73	1.68	ND	--	ND	ND	ND	ND	--	--	
1/10/1995	56.10	31.29	0.00	24.81	1.08	--	--	--	--	--	--	--	--	
3/14/1995	56.09	27.86	0.00	28.23	3.42	380	--	20	ND	ND	10	--	--	
6/20/1995	56.09	28.20	0.00	27.89	-0.34	500	--	50	ND	ND	4.4	--	--	
9/18/1995	56.09	30.65	0.00	25.44	-2.45	57	--	1.2	0.75	0.57	2.2	--	--	
12/14/1995	56.09	32.20	0.00	23.89	-1.55	ND	--	0.72	1.4	1.2	3.6	--	--	
3/6/1996	56.09	26.53	0.00	29.56	5.67	96	--	4.5	ND	ND	3.7	ND	--	
6/4/1996	56.09	27.43	0.00	28.66	-0.90	410	--	48	ND	3.4	7.9	ND	--	
9/6/1996	56.09	30.25	0.00	25.84	-2.82	ND	--	ND	ND	ND	ND	ND	--	
3/8/1997	56.09	26.03	0.00	30.06	4.22	ND	--	ND	ND	ND	ND	ND	--	
9/4/1997	56.09	31.56	0.00	24.53	-5.53	ND	--	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1993 Through September 2005

76 Station 5430

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
U-1 continued														
3/9/1998	56.09	20.63	0.00	35.46	10.93	ND	--	ND	ND	ND	ND	ND	--	
9/1/1998	56.09	27.82	0.00	28.27	-7.19	ND	--	0.59	ND	ND	ND	3.1	--	
3/2/1999	56.09	26.83	0.00	29.26	0.99	ND	--	ND	ND	ND	ND	ND	--	
9/7/1999	56.09	28.03	0.00	28.06	-1.20	ND	--	ND	ND	ND	ND	ND	--	
3/9/2000	56.09	25.50	0.00	30.59	2.53	ND	--	ND	ND	ND	ND	ND	--	
9/11/2000	56.09	28.16	0.00	27.93	-2.66	ND	--	ND	0.592	ND	ND	ND	--	
3/26/2001	56.09	27.02	0.00	29.07	1.14	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	56.09	31.67	0.00	24.42	-4.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/18/2002	56.09	28.81	0.00	27.28	2.86	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/30/2002	56.09	31.25	0.00	24.84	-2.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/18/2003	56.09	29.10	0.00	26.99	2.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/26/2003	56.09	32.10	0.00	23.99	-3.00	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	56.09	28.88	0.00	27.21	3.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
9/16/2004	56.09	32.34	0.00	23.75	-3.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
3/3/2005	56.09	28.10	0.00	27.99	4.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.50	--	ND<1.0	
9/21/2005	56.09	30.10	0.00	25.99	-2.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-2	**(Screen Interval in feet: 20.0-40.0)**													
8/13/1993	55.77	30.87	0.00	24.90	--	1400	--	ND	ND	ND	ND	--	--	
9/7/1993	55.77	30.87	0.00	24.90	0.00	--	--	--	--	--	--	--	--	
12/16/1993	55.27	32.19	0.00	23.08	-1.82	330	--	1.7	--	11	8.5	--	--	
1/13/1994	55.27	32.13	0.00	23.14	0.06	--	--	--	--	--	--	--	--	
2/9/1994	55.27	33.50	0.00	21.77	-1.37	--	--	--	--	--	--	--	--	
3/25/1994	55.27	30.09	0.00	25.18	3.41	130	--	0.7	0.78	0.65	0.64	--	--	
5/18/1994	55.27	30.73	0.00	24.54	-0.64	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1993 Through September 2005

76 Station 5430

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
U-2 continued														
6/19/1994	55.27	31.31	0.00	23.96	-0.58	180	--	ND	ND	ND	0.86	--	--	
7/27/1994	55.27	32.12	0.00	23.15	-0.81	--	--	--	--	--	--	--	--	
8/18/1994	55.27	32.50	0.00	22.77	-0.38	--	--	--	--	--	--	--	--	
9/15/1994	55.27	33.00	0.00	22.27	-0.50	1000	--	44	ND	ND	ND	--	--	
10/11/1994	55.27	32.35	0.00	22.92	0.65	--	--	--	--	--	--	--	--	
11/8/1994	55.27	33.09	0.00	22.18	-0.74	--	--	--	--	--	--	--	--	
12/6/1994	55.27	31.44	0.00	23.83	1.65	250	--	19	ND	ND	ND	--	--	
1/10/1995	55.27	30.25	0.00	25.02	1.19	--	--	--	--	--	--	--	--	
3/14/1995	55.29	26.36	0.00	28.93	3.91	89	--	ND	ND	ND	1.2	--	--	
6/20/1995	55.29	26.74	0.00	28.55	-0.38	ND	--	ND	0.58	ND	1.7	--	--	
9/18/1995	55.29	29.65	0.00	25.64	-2.91	ND	--	ND	ND	ND	0.85	--	--	
12/14/1995	55.29	31.10	0.00	24.19	-1.45	ND	--	ND	0.89	ND	2	--	--	
3/6/1996	55.29	25.17	0.00	30.12	5.93	ND	--	ND	ND	ND	ND	80	--	
6/4/1996	55.29	26.03	0.00	29.26	-0.86	ND	--	ND	ND	ND	ND	110	--	
9/6/1996	55.29	29.18	0.00	26.11	-3.15	ND	--	ND	ND	ND	ND	--	--	
3/8/1997	55.29	24.64	0.00	30.65	4.54	ND	--	ND	ND	ND	ND	42	--	
9/4/1997	55.29	30.59	0.00	24.70	-5.95	ND	--	ND	ND	ND	ND	46	--	
3/9/1998	55.29	19.22	0.00	36.07	11.37	ND	--	ND	ND	ND	ND	4.4	--	
9/1/1998	55.29	26.40	0.00	28.89	-7.18	ND	--	ND	ND	ND	ND	25	--	
3/2/1999	55.29	25.48	0.00	29.81	0.92	ND	--	ND	ND	ND	ND	16	--	
9/7/1999	55.29	26.51	0.00	28.78	-1.03	ND	--	ND	ND	ND	ND	20	--	
3/9/2000	55.29	23.95	0.00	31.34	2.56	ND	--	ND	ND	ND	ND	ND	--	
9/11/2000	55.29	26.75	0.00	28.54	-2.80	ND	--	ND	0.635	ND	ND	ND	--	
3/26/2001	55.29	25.64	0.00	29.65	1.11	ND	--	ND	ND	ND	ND	ND	--	

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
U-2 continued														
9/4/2001	55.29	30.47	0.00	24.82	-4.83	ND<50	--	ND<0.50	0.69	ND<0.50	ND<0.50	ND<5.0	--	
3/18/2002	55.29	27.29	0.00	28.00	3.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/30/2002	55.29	30.06	0.00	25.23	-2.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.2	
3/18/2003	55.29	27.71	0.00	27.58	2.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.2	
9/26/2003	55.29	30.73	0.00	24.56	-3.02	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	55.29	27.38	0.00	27.91	3.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
9/16/2004	55.29	31.19	0.00	24.10	-3.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
3/3/2005	55.29	26.48	0.00	28.81	4.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.50	--	ND<1.0	
9/22/2005	55.29	28.95	0.00	26.34	-2.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
U-3	**(Screen Interval in feet: 20.0-40.0)**													
8/13/1993	55.66	30.70	0.00	24.96	--	23000	--	1000	ND	1700	1600	--	--	
9/7/1993	55.66	30.70	0.00	24.96	0.00	--	--	--	--	--	--	--	--	
12/16/1993	55.24	32.08	0.00	23.16	-1.80	15000	--	570	ND	940	ND	--	--	
1/13/1994	55.24	31.98	0.00	23.26	0.10	--	--	--	--	--	--	--	--	
2/9/1994	55.24	33.82	0.00	21.42	-1.84	--	--	--	--	--	--	--	--	
3/25/1994	55.24	30.03	0.00	25.21	3.79	18000	--	560	40	1000	770	--	--	
5/18/1994	55.24	30.66	0.00	24.58	-0.63	--	--	--	--	--	--	--	--	
6/19/1994	55.24	31.19	0.00	24.05	-0.53	17000	--	580	ND	1300	ND	--	--	
7/27/1994	55.24	31.98	0.00	23.26	-0.79	--	--	--	--	--	--	--	--	
8/18/1994	55.24	32.39	0.00	22.85	-0.41	--	--	--	--	--	--	--	--	
9/15/1994	55.24	32.84	0.00	22.40	-0.45	12000	--	370	--	970	610	--	--	
10/11/1994	55.24	32.20	0.00	23.04	0.64	--	--	--	--	--	--	--	--	
11/8/1994	55.24	33.01	0.00	22.23	-0.81	--	--	--	--	--	--	--	--	
12/6/1994	55.24	31.34	0.00	23.90	1.67	17000	--	390	ND	990	560	--	--	

Table 2

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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
U-3 continued														
1/10/1995	55.24	30.23	0.00	25.01	1.11	--	--	--	--	--	--	--	--	
3/14/1995	55.23	25.44	0.00	29.79	4.78	13000	--	860	120	1300	1700	--	--	
6/20/1995	55.23	26.70	0.00	28.53	-1.26	9800	--	590	ND	800	1000	--	--	
9/18/1995	55.23	29.55	0.00	25.68	-2.85	9800	--	600	ND	1000	760	--	--	
12/14/1995	55.23	31.02	0.00	24.21	-1.47	10000	--	520	ND	920	630	--	--	
3/6/1996	55.23	25.25	0.00	29.98	5.77	19000	--	1400	ND	1800	3000	73	--	
6/4/1996	55.23	26.00	0.00	29.23	-0.75	8800	--	510	ND	600	830	ND	--	
9/6/1996	55.23	29.06	0.00	26.17	-3.06	15000	--	360	20	540	450	ND	--	
3/8/1997	55.23	24.65	0.00	30.58	4.41	3500	--	310	ND	230	630	ND	--	
9/4/1997	55.23	30.44	0.00	24.79	-5.79	700	--	27	ND	48	34	ND	--	
3/9/1998	55.23	19.20	0.00	36.03	11.24	410	--	22	1.2	ND	6.1	24	--	
9/1/1998	55.23	26.33	0.00	28.90	-7.13	ND	--	ND	ND	ND	ND	6.1	--	
3/2/1999	55.23	25.50	0.00	29.73	0.83	2100	--	110	2.6	ND	240	39	--	
9/7/1999	55.23	27.63	0.00	27.60	-2.13	2400	--	67	ND	150	150	ND	--	
3/9/2000	55.23	24.05	0.00	31.18	3.58	3250	--	143	ND	59	326	ND	--	
9/11/2000	55.23	27.83	0.00	27.40	-3.78	ND	--	ND	ND	ND	ND	ND	--	
3/26/2001	55.23	25.75	0.00	29.48	2.08	ND	--	ND	ND	ND	--	ND	--	
9/4/2001	55.23	30.41	0.00	24.82	-4.66	5400	--	110	ND<10	800	220	ND<100	--	
3/18/2002	55.23	27.35	0.00	27.88	3.06	ND<50	--	ND<0.50	ND<0.50	0.55	1.2	ND<5.0	--	
8/30/2002	55.23	30.01	0.00	25.22	-2.66	--	4400	55	ND<2.5	610	140	--	ND<10	
3/18/2003	55.23	27.69	0.00	27.54	2.32	--	ND<50	1.2	ND<0.50	7.9	4.3	--	ND<2.0	
9/26/2003	55.23	30.62	0.00	24.61	-2.93	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	55.23	27.34	0.00	27.89	3.28	--	3000	39	ND<2.5	490	220	--	ND<2.5	
9/16/2004	55.23	--	--	--	--	--	--	--	--	--	--	--	--	Paved over

Table 2

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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
U-3 continued														
3/3/2005	55.23	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
9/22/2005	55.23	28.87	0.00	26.36	--	--	1600	6.6	ND<0.50	110	8.9	--	0.76	
U-4	**(Screen Interval in feet: 25.0-40.0)**													
3/14/1995	55.39	26.52	0.00	28.87	--	490	--	3.2	2.1	0.79	1.2	--	--	
6/20/1995	55.39	26.90	0.00	28.49	-0.38	--	--	--	--	--	1.5	--	--	
9/18/1995	55.39	29.79	0.00	25.60	-2.89	--	--	--	--	--	--	--	--	
12/14/1995	55.39	31.23	0.00	24.16	-1.44	--	--	--	0.59	--	0.79	--	--	
3/6/1996	55.39	25.30	0.00	30.09	5.93	ND	--	ND	ND	ND	0.62	50	--	
6/4/1996	55.39	26.19	0.00	29.20	-0.89	ND	--	ND	ND	ND	ND	290	--	
9/6/1996	55.39	29.32	0.00	26.07	-3.13	ND	--	ND	ND	ND	ND	ND	--	
3/8/1997	55.39	24.79	0.00	30.60	4.53	ND	--	ND	ND	ND	ND	ND	--	
9/4/1997	55.39	30.71	0.00	24.68	-5.92	ND	--	ND	ND	ND	ND	18	--	
3/9/1998	55.39	19.37	0.00	36.02	11.34	ND	--	ND	ND	ND	ND	ND	--	
9/1/1998	55.39	26.56	0.00	28.83	-7.19	ND	--	ND	ND	ND	ND	ND	--	
3/2/1999	55.39	25.62	0.00	29.77	0.94	110	--	0.89	0.53	ND	0.79	4.9	--	
9/7/1999	55.39	26.82	0.00	28.57	-1.20	ND	--	ND	ND	ND	ND	3.0	--	
3/9/2000	55.39	24.07	0.00	31.32	2.75	ND	--	ND	0.615	ND	1.05	ND	--	
9/11/2000	55.39	26.48	0.00	28.91	-2.41	ND	--	ND	0.686	ND	ND	ND	--	
3/26/2001	55.39	25.69	0.00	29.70	0.79	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	55.39	30.60	0.00	24.79	-4.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/18/2002	55.39	27.45	0.00	27.94	3.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/30/2002	55.39	30.19	0.00	25.20	-2.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/18/2003	55.39	27.85	0.00	27.54	2.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/26/2003	55.39	30.86	0.00	24.53	-3.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	

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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
U-4 continued														
3/26/2004	55.39	27.52	0.00	27.87	3.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/16/2004	55.39	31.31	0.00	24.08	-3.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/3/2005	55.39	26.63	0.00	28.76	4.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.50	--	ND<1.0	
9/21/2005	55.39	29.03	0.00	26.36	-2.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5	**(Screen Interval in feet: 25.0-40.0)**													
3/14/1995	54.18	25.20	0.00	28.98	--	ND	--	ND	ND	ND	1.2	--	--	
6/20/1995	54.18	25.60	0.00	28.58	-0.40	ND	--	ND	ND	ND	1.6	--	--	
9/18/1995	54.18	28.55	0.00	25.63	-2.95	ND	--	ND	ND	ND	0.66	--	--	
12/14/1995	54.18	29.94	0.00	24.24	-1.39	ND	--	ND	ND	ND	ND	--	--	
3/6/1996	54.18	24.03	0.00	30.15	5.91	ND	--	ND	ND	ND	ND	ND	--	
6/4/1996	54.18	24.91	0.00	29.27	-0.88	ND	--	ND	ND	ND	ND	ND	--	
9/6/1996	54.18	28.06	0.00	26.12	-3.15	ND	--	ND	ND	ND	ND	ND	--	
3/8/1997	54.18	23.49	0.00	30.69	4.57	ND	--	ND	ND	ND	ND	ND	--	
9/4/1997	54.18	29.46	0.00	24.72	-5.97	ND	--	ND	ND	ND	ND	ND	--	
3/9/1998	54.18	18.10	0.00	36.08	11.36	ND	--	ND	ND	ND	ND	ND	--	
9/1/1998	54.18	25.27	0.00	28.91	-7.17	ND	--	ND	ND	ND	ND	ND	--	
3/2/1999	54.18	24.35	0.00	29.83	0.92	ND	--	ND	ND	ND	ND	ND	--	
9/7/1999	54.18	26.39	0.00	27.79	-2.04	ND	--	ND	ND	ND	ND	ND	--	
3/9/2000	54.18	22.81	0.00	31.37	3.58	ND	--	ND	ND	ND	ND	ND	--	
9/11/2000	54.18	25.36	0.00	28.82	-2.55	ND	--	ND	0.64	ND	ND	ND	--	
3/26/2001	54.18	24.55	0.00	29.63	0.81	--	--	--	ND	ND	ND	ND	--	
9/4/2001	54.18	29.34	0.00	24.84	-4.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/18/2002	54.18	26.16	0.00	28.02	3.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/30/2002	54.18	28.94	0.00	25.24	-2.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

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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
U-5 continued														
3/18/2003	54.18	26.58	0.00	27.60	2.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/26/2003	54.18	29.60	0.00	24.58	-3.02	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	54.18	26.23	0.00	27.95	3.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/16/2004	54.18	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
3/3/2005	54.18	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
9/22/2005	54.18	--	--	--	--	--	--	--	--	--	--	--	--	Planter Covering Well
U-6	**(Screen Interval in feet: 25.0-40.0)**													
3/14/1995	55.36	26.94	0.00	28.42	--	14000	--	170	36	790	1500	--	--	
6/20/1995	55.36	27.15	0.00	28.21	-0.21	8500	--	170	11	950	1300	--	--	
9/18/1995	55.36	29.95	0.00	25.41	-2.80	9500	--	260	ND	1400	1800	--	--	
12/14/1995	55.36	31.32	0.00	24.04	-1.37	15000	--	240	ND	1400	1700	--	--	
3/6/1996	55.36	25.71	0.00	29.65	5.61	2400	--	54	ND	170	250	--	--	
6/4/1996	55.36	26.52	0.00	28.84	-0.81	4600	--	83	ND	400	520	46	--	
9/6/1996	55.36	29.41	0.00	25.95	-2.89	12000	--	180	6.4	690	600	95	--	
3/8/1997	55.36	25.25	0.00	30.11	4.16	2000	--	180	ND	96	290	--	--	
9/4/1997	55.36	30.75	0.00	24.61	-5.50	680	--	17	ND	52	39	--	--	
3/9/1998	55.36	19.84	0.00	35.52	10.91	690	--	41	8.5	3.2	140	16	--	
9/1/1998	55.36	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/2/1999	55.36	25.95	0.00	29.41	--	3900	--	240	ND	650	430	45	--	
9/7/1999	55.36	28.19	0.00	27.17	-2.24	320	--	14	ND	5.2	ND	10	--	
3/9/2000	55.36	24.64	0.00	30.72	3.55	4980	--	193	ND	520	365	ND	--	
9/11/2000	55.36	28.35	0.00	27.01	-3.71	538	--	22.8	ND	13.8	3.11	ND	--	
10/13/2000	55.36	29.67	0.00	25.69	-1.32	--	--	--	--	--	--	--	ND	
3/26/2001	55.36	26.88	0.00	28.48	2.79	16400	--	412	ND	2010	1010	ND	--	

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August 1993 Through September 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
U-6 continued														
9/4/2001	55.36	30.81	0.00	24.55	-3.93	8000	--	200	ND<25	1100	250	ND<250	--	
3/18/2002	55.36	27.87	0.00	27.49	2.94	3900	--	96	ND<10	590	210	ND<100	--	
8/30/2002	55.36	30.40	0.00	24.96	-2.53	--	7900	120	ND<5.0	1000	91	--	ND<20	
3/18/2003	55.36	28.19	0.00	27.17	2.21	--	1800	30	ND<2.5	270	47	--	ND<10	
9/26/2003	55.36	31.15	0.00	24.21	-2.96	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	55.36	27.93	0.00	27.43	3.22	--	3200	25	ND<2.5	420	95	--	ND<2.5	
9/16/2004	55.36	31.50	0.00	23.86	-3.57	--	3600	14	ND<2.5	310	35	--	ND<2.5	
3/3/2005	55.36	27.16	0.00	28.20	4.34	1100	--	5.8	1.2	170	12	--	ND<2.5	
9/22/2005	55.36	29.64	0.00	25.72	-2.48	--	3200	4.0	ND<0.50	160	3.6	--	1.1	
U-7	**(Screen Interval in feet: 25.0-40.0)**													
3/14/1995	55.05	26.13	0.00	28.92	--	ND	--	ND	ND	ND	ND	--	--	
6/20/1995	55.05	26.38	0.00	28.67	-0.25	ND	--	ND	ND	ND	ND	--	--	
9/18/1995	55.05	29.21	0.00	25.84	-2.83	ND	--	ND	ND	ND	ND	--	--	
12/14/1995	55.05	30.75	0.00	24.30	-1.54	ND	--	ND	ND	ND	0.88	--	--	
3/6/1996	55.05	25.10	0.00	29.95	5.65	ND	--	ND	ND	ND	ND	ND	--	
6/4/1996	55.05	25.67	0.00	29.38	-0.57	ND	--	ND	ND	ND	ND	ND	--	
9/6/1996	55.05	28.75	0.00	26.30	-3.08	ND	--	ND	ND	ND	ND	ND	--	
3/8/1997	55.05	24.33	0.00	30.72	4.42	ND	--	ND	ND	ND	ND	ND	--	
9/4/1997	55.05	30.16	0.00	24.89	-5.83	ND	--	ND	ND	ND	ND	ND	--	
3/9/1998	55.05	18.91	0.00	36.14	11.25	ND	--	ND	ND	ND	ND	ND	--	
9/1/1998	55.05	26.04	0.00	29.01	-7.13	88	--	ND	ND	ND	ND	2.9	--	
3/2/1999	55.05	25.30	0.00	29.75	0.74	ND	--	ND	ND	ND	ND	ND	--	
9/7/1999	55.05	27.27	0.00	27.78	-1.97	ND	--	ND	ND	ND	ND	ND	--	
3/9/2000	55.05	23.76	0.00	31.29	3.51	ND	--	ND	ND	ND	1.09	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 1993 Through September 2005

76 Station 5430

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
U-7 continued														
9/11/2000	55.05	27.19	0.00	27.86	-3.43	ND	--	ND	ND	ND	ND	ND	--	
3/26/2001	55.05	25.61	0.00	29.44	1.58	ND	--	ND	ND	ND	ND	ND	--	
9/4/2001	55.05	30.10	0.00	24.95	-4.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
3/18/2002	55.05	27.03	0.00	28.02	3.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
8/30/2002	55.05	29.69	0.00	25.36	-2.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
3/18/2003	55.05	27.39	0.00	27.66	2.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
9/26/2003	55.05	30.40	0.00	24.65	-3.01	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<2	
3/26/2004	55.05	27.09	0.00	27.96	3.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/16/2004	55.05	30.83	0.00	24.22	-3.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/3/2005	55.05	26.26	0.00	28.79	4.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.50	--	ND<1.0	
9/21/2005	55.05	28.53	0.00	26.52	-2.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethy l vinyl (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-Trichloroethane (µg/l)
U-1															
8/13/1993	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1993	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/1994	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/19/1994	61	--	--	--	7.4	--	--	--	--	--	--	--	--	--	--
9/15/1994	83	--	--	--	9.5	--	--	--	--	--	--	--	--	--	--
12/6/1994	--	--	--	--	5.8	--	--	--	--	--	--	--	--	--	--
3/14/1995	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/20/1995	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/18/1995	72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/14/1995	--	--	--	--	3.8	--	--	--	--	--	--	--	--	--	--
6/4/1996	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/1997	--	--	--	--	43	--	--	--	--	--	--	--	--	--	--
9/4/1997	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--
9/1/1998	--	--	--	--	8.9	--	--	--	--	--	--	--	--	--	--
3/2/1999	--	--	--	--	4.5	--	--	--	--	--	--	--	--	--	--
3/9/2000	--	--	--	--	1.32	--	--	--	--	--	--	--	--	--	--
9/11/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	75.2	--
3/26/2001	--	--	--	--	2.50	--	--	--	--	--	--	--	--	--	--
9/4/2001	--	--	--	--	2.4	--	--	--	--	--	--	--	--	--	--
3/18/2002	--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--
8/30/2002	--	--	--	--	1.2	--	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	--	--	2.6	--	--	--	--	--	--	--	--	--	--
9/26/2003	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
3/26/2004	--	ND<0.50	ND<0.50	ND<0.50	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/16/2004	--	ND<0.50	ND<0.50	ND<0.50	1.3	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/3/2005	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-Trichloroethane (µg/l)
U-1 continued															
9/21/2005	--	ND<0.50	ND<0.50	ND<0.50	0.71	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-2															
3/25/1994	--	--	--	--	11	--	--	--	--	--	--	--	--	--	--
6/19/1994	--	--	--	--	0.54	--	--	--	--	--	--	--	--	--	--
9/15/1994	--	--	--	--	0.66	--	--	--	--	--	--	--	--	--	--
8/30/2002	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
U-3															
3/25/1994	--	--	--	--	480	--	--	--	--	--	--	--	--	--	--
6/19/1994	--	--	--	--	410	--	--	--	--	--	--	--	--	--	--
9/15/1994	--	--	--	--	420	--	--	--	--	--	--	--	--	--	--
12/6/1994	--	--	--	--	430	--	--	--	--	--	--	--	--	--	--
12/14/1995	--	--	--	--	240	--	--	--	--	--	--	--	--	--	--
3/8/1997	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--
9/4/1997	--	--	--	--	160	--	--	--	--	--	--	--	--	--	--
3/9/1998	--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--
3/2/1999	--	--	--	--	6.7	--	--	--	--	--	--	--	--	--	--
9/7/1999	--	--	--	--	1.1	--	--	--	--	--	--	--	--	31	--
9/11/2000	--	--	--	--	1.17	--	--	--	--	--	--	--	--	--	--
9/4/2001	--	--	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--
3/18/2002	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
8/30/2002	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
9/26/2003	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
3/26/2004	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
9/22/2005	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	Dibromochloromethane (µg/l)	PCE (µg/l)	cis-1,2-Dichloroethene (µg/l)	trans-1,2-Dichloroethene (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-Trichloroethane (µg/l)
U-4															
3/18/2003	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
U-5															
3/18/2003	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
U-6															
3/14/1995	--	--	--	--	210	--	--	--	--	--	--	--	--	--	--
12/14/1995	--	--	--	--	370	--	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	--	--	ND<10	--	--	--	--	--	--	--	--	--	--
U-7															
9/4/1997	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--
9/1/1998	--	--	--	--	--	--	--	--	--	--	--	--	2.0	0.60	--
3/2/1999	--	--	--	--	--	--	--	--	--	--	--	--	1.2	--	--
3/9/2000	--	--	--	--	--	--	--	--	--	--	--	--	0.801	--	--
9/4/2001	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	0.60	--	--
3/18/2002	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	0.65	1.5	--
8/30/2002	--	--	--	--	ND<0.50	--	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--
9/26/2003	--	--	--	--	ND<0.5	--	--	--	--	--	--	--	--	--	--
3/26/2004	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/16/2004	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.0	ND<0.50	ND<0.50
3/3/2005	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
9/21/2005	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 3 b

ADDITIONAL ANALYTICAL RESULTS

76 Station 5430

Date Sampled	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	Bromo-dichloro-methane (µg/l)	1,1-Dichloro-ethane (µg/l)	1,1-Dichloro-ethene (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-Dichloro-propane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro ethane (µg/l)
U-1															
9/11/2000	--	--	--	--	--	--	3.58	--	--	--	--	--	--	--	--
3/26/2004	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/16/2004	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/3/2005	ND<2.0	ND<2.0	ND<2.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<1.0	ND<1.0	ND<1.0
9/21/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-3															
9/7/1999	--	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--
3/26/2004	ND<10	ND<10	ND<10	ND<5.0	ND<50	ND<20	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
9/22/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-7															
3/18/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	1.10	--
3/26/2004	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
9/16/2004	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
3/3/2005	ND<2.0	ND<2.0	ND<2.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	ND<1.0	ND<1.0	ND<1.0
9/21/2005	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 3 c
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	Bromo-chloro-methane (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
U-1										
6/19/1994	ND	--	--	--	--	--	--	--	--	--
9/15/1994	ND	--	--	--	--	--	--	--	--	--
12/6/1994	ND	--	--	--	--	--	--	--	--	--
12/14/1995	ND	--	--	--	--	--	--	--	--	--
3/8/1997	ND	--	--	--	--	--	--	--	--	--
9/4/1997	ND	--	--	--	--	--	--	--	--	--
9/1/1998	ND	--	--	--	--	--	--	--	--	--
3/2/1999	ND	--	--	--	--	--	--	--	--	--
3/9/2000	ND	--	--	--	--	--	--	--	--	--
3/26/2001	ND	--	--	--	--	--	--	--	--	--
9/4/2001	ND<0.50	--	--	--	--	--	--	--	--	--
3/18/2002	ND<0.50	--	--	--	--	--	--	--	--	--
8/30/2002	ND<0.50	--	--	--	--	--	--	--	--	--
3/18/2003	ND<0.50	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
9/26/2003	ND<2	--	--	--	--	--	--	--	--	--
3/26/2004	ND<0.50	ND<1.0	--	--	--	--	--	--	--	--
9/16/2004	ND<0.50	ND<1.0	--	--	--	--	--	--	--	--
3/3/2005	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
9/21/2005	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
U-2										
3/25/1994	ND	--	--	--	--	--	--	--	--	--
6/19/1994	ND	--	--	--	--	--	--	--	--	--
9/15/1994	ND	--	--	--	--	--	--	--	--	--
8/30/2002	--	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
3/18/2003	--	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
U-3										

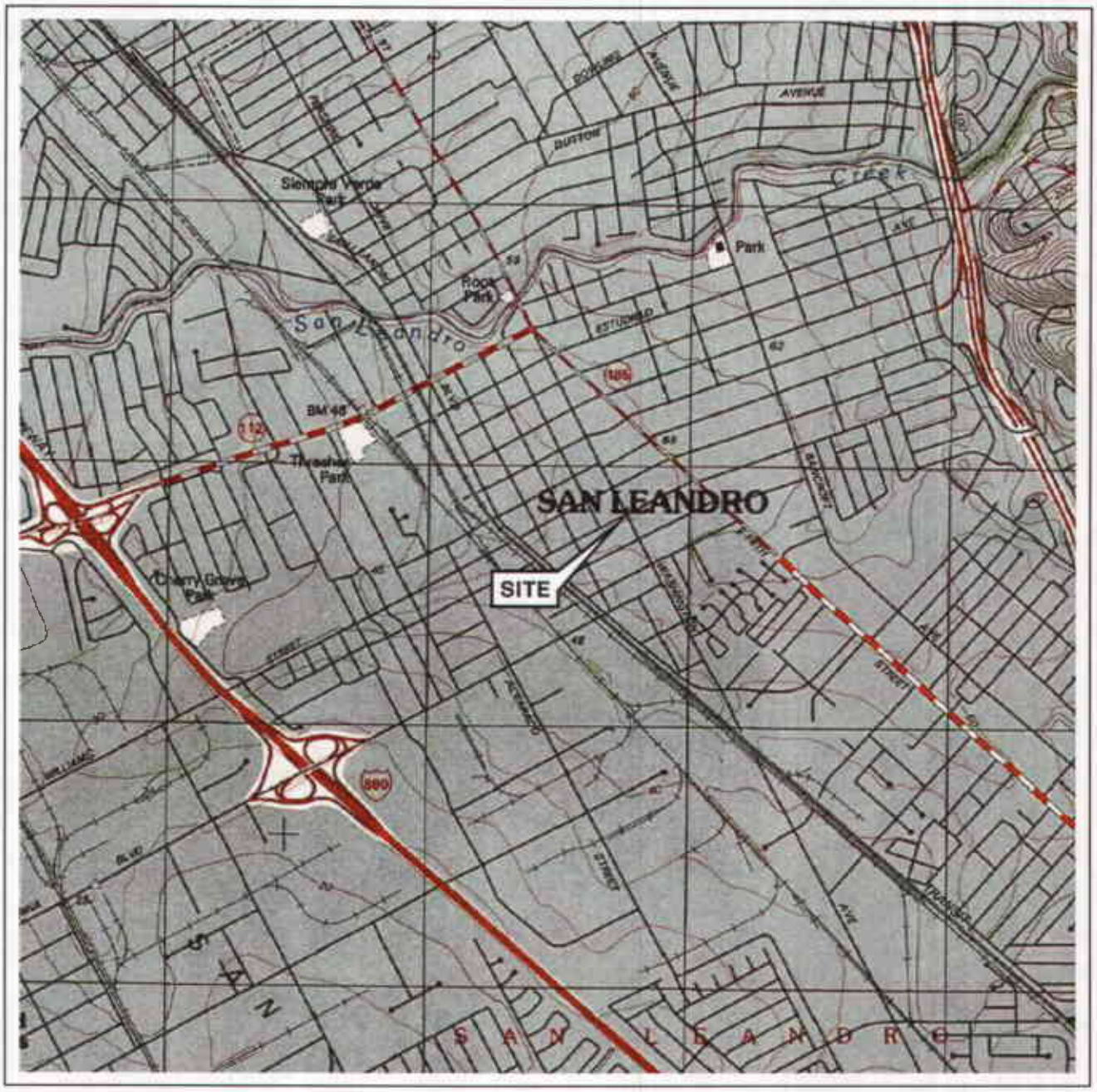
Table 3 c
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	Bromo-chloro-methane (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
U-3 continued										
3/25/1994	ND	--	--	--	--	--	--	--	--	--
6/19/1994	ND	--	--	--	--	--	--	--	--	--
9/15/1994	ND	--	--	--	--	--	--	--	--	--
12/6/1994	ND	--	--	--	--	--	--	--	--	--
12/14/1995	ND	--	--	--	--	--	--	--	--	--
3/8/1997	ND	--	--	--	--	--	--	--	--	--
9/4/1997	ND	--	--	--	--	--	--	--	--	--
3/9/1998	ND	--	--	--	--	--	--	--	--	--
3/2/1999	ND	--	--	--	--	--	--	--	--	--
9/7/1999	ND	--	--	--	--	--	--	--	--	--
9/11/2000	ND	--	--	--	--	--	--	--	--	--
9/4/2001	ND<5.0	--	--	--	--	--	--	--	--	--
3/18/2002	ND<0.50	--	--	--	--	--	--	--	--	--
8/30/2002	ND<0.50	--	--	--	--	--	--	--	--	--
3/18/2003	ND<0.50	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
9/26/2003	ND<0.5	--	--	--	--	--	--	--	--	--
3/26/2004	ND<5.0	ND<10	--	--	--	--	--	--	--	--
9/22/2005	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
U-4										
3/18/2003	--	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
U-5										
3/18/2003	--	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
U-6										
3/14/1995	ND	--	--	--	--	--	--	--	--	--
12/14/1995	ND	--	--	--	--	--	--	--	--	--
3/18/2003	--	--	ND<10	--	--	ND<10	ND<500	ND<10	ND<10	ND<2500

Table 3 c
ADDITIONAL ANALYTICAL RESULTS
76 Station 5430

Date Sampled	1,2-Dichloro-benzene (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	Bromo-chloro-methane (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)
U-7										
9/4/2001	ND<0.50	--	--	--	--	--	--	--	--	--
3/18/2002	ND<0.50	--	--	--	--	--	--	--	--	--
8/30/2002	ND<0.50	--	--	--	--	--	--	--	--	--
3/18/2003	ND<0.50	--	ND<2.0	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500
9/26/2003	ND<0.5	--	--	--	--	--	--	--	--	--
3/26/2004	ND<0.50	ND<1.0	--	--	--	--	--	--	--	--
9/16/2004	ND<0.50	ND<1.0	--	--	--	--	--	--	--	--
3/3/2005	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
9/21/2005	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--

FIGURES



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

SCALE 1:24,000

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SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
San Leandro Quadrangle

VICINITY MAP

76 Station 5430
1935 Washington Avenue
San Leandro, California

FIGURE 1

TRC

H'S = 1:1

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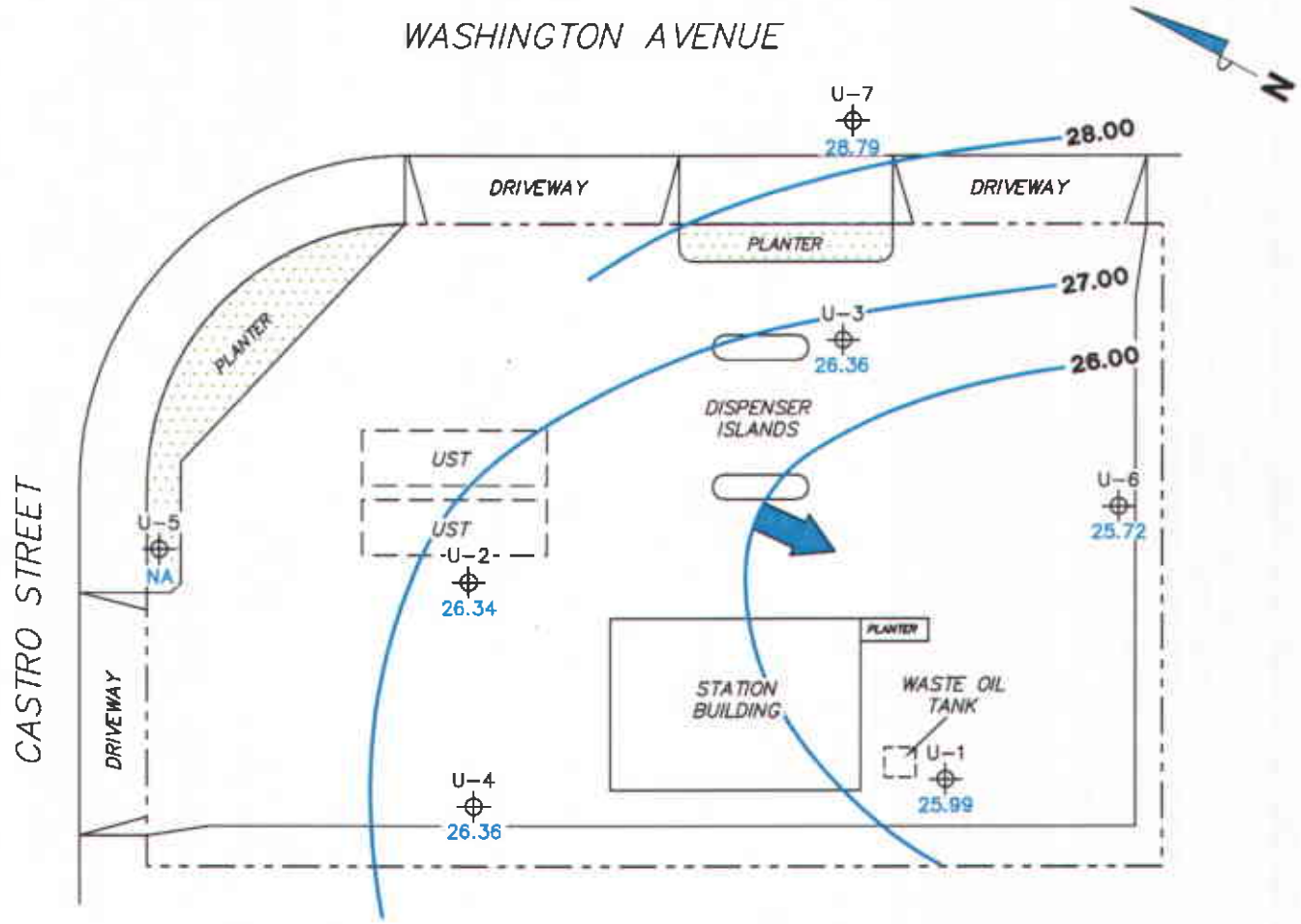

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected. UST = underground storage tank.

LEGEND

U-7 ⊕ Monitoring Well with Groundwater Elevation (feet)

28.00 —— Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
September 21, 2005

76 Station 5430
1935 Washington Avenue
San Leandro, California

TRC

SCALE (FEET)
0 30

FIGURE 2

PS=1:1 5430-003

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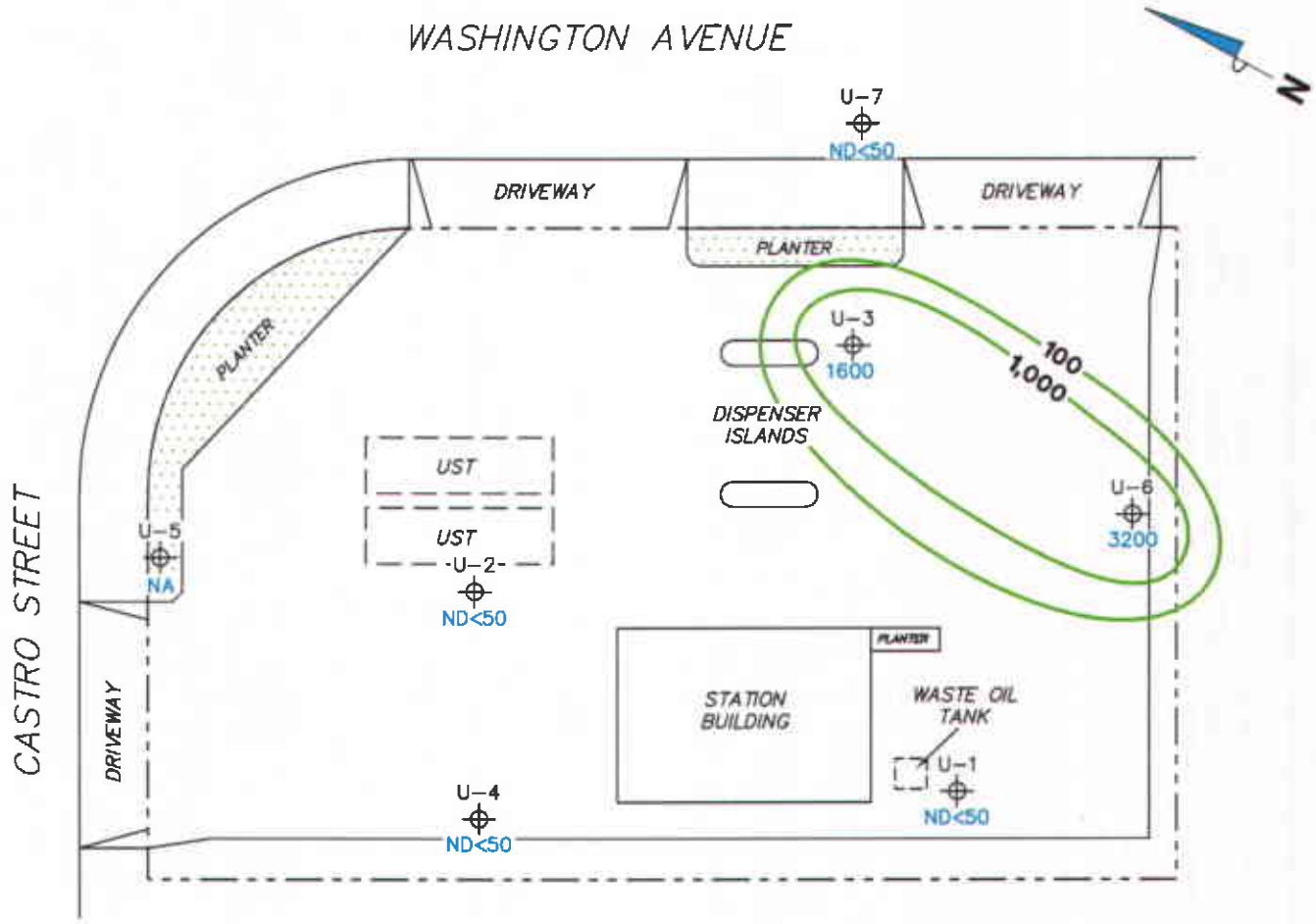

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8015.

LEGEND

U-7 ⊕ Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

1,000 Dissolved-Phase TPPH Contour (µg/l)

DISSOLVED-PHASE TPPH CONCENTRATION MAP
September 21, 2005

76 Station 5430
1935 Washington Avenue
San Leandro, California

TRC

SCALE (FEET)
0 30

FIGURE 3

PS=1:1 5430-003

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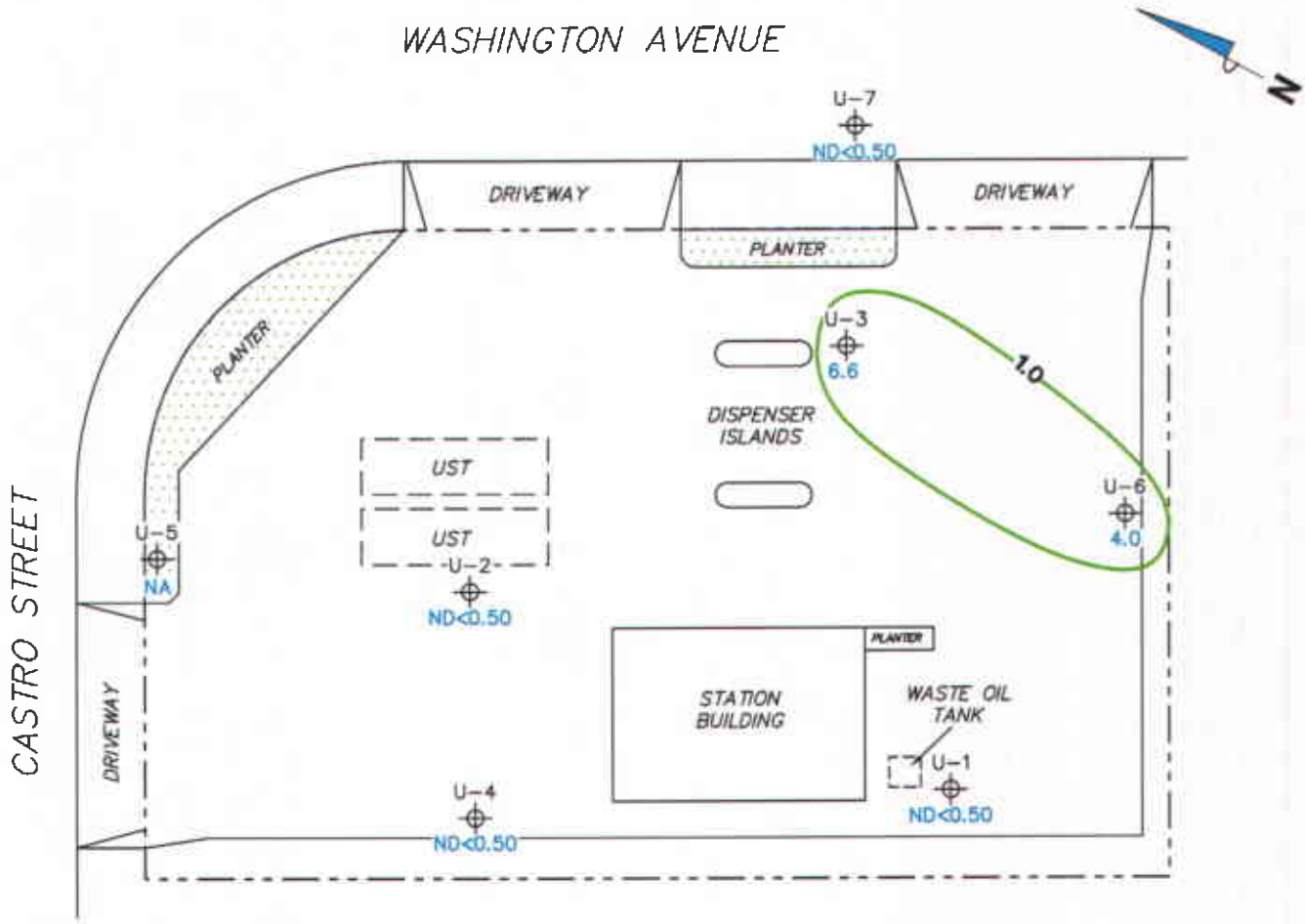

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
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.

LEGEND

U-7 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

1.0 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 21, 2005

76 Station 5430
1935 Washington Avenue
San Leandro, California

TRC

SCALE (FEET)
0 30

FIGURE 4

PS=1:1 5430-003

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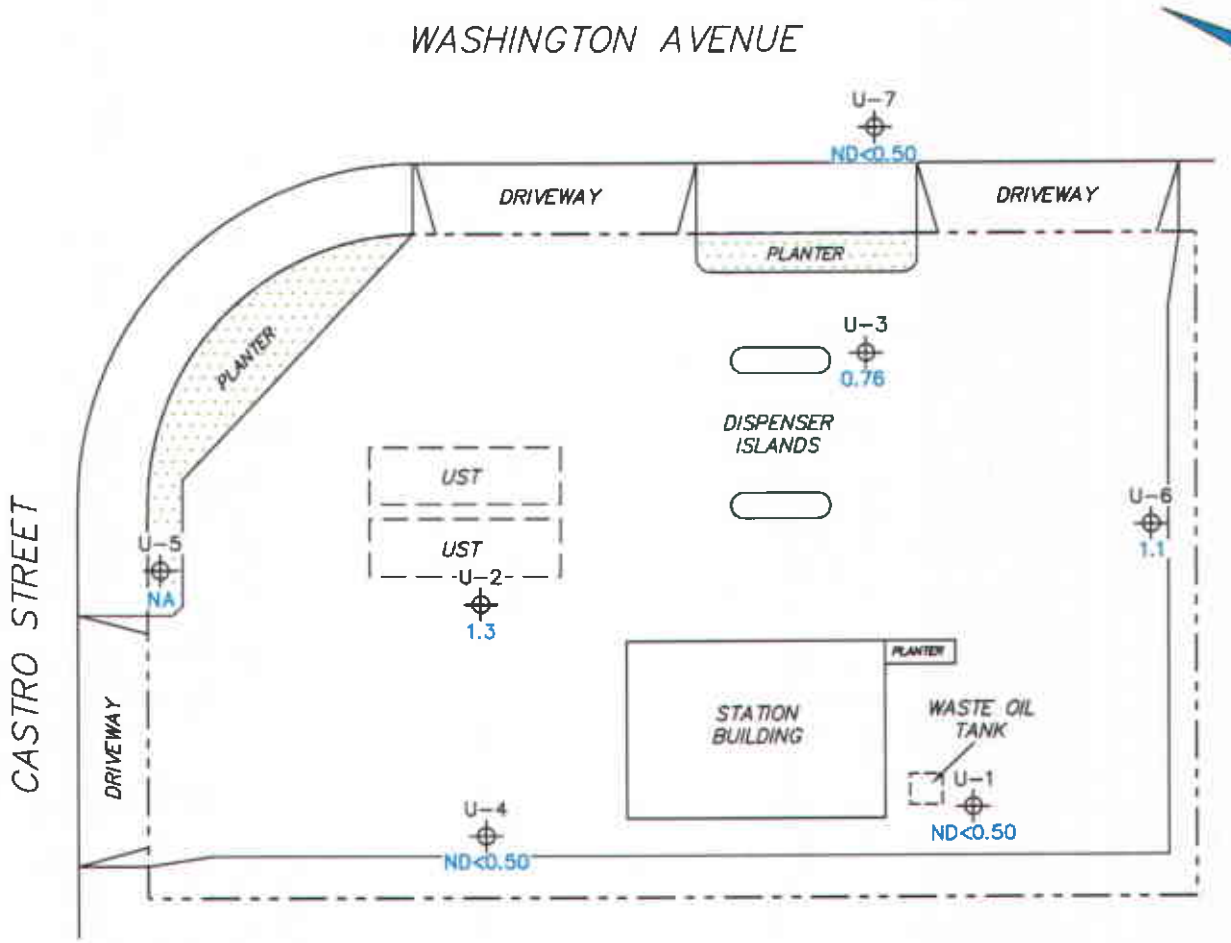

NOTES:

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.

LEGEND

U-7 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 21, 2005

76 Station 5430
1935 Washington Avenue
San Leandro, California

TRC

SCALE (FEET)
0 30

FIGURE 5

PS=1:1 5430-003

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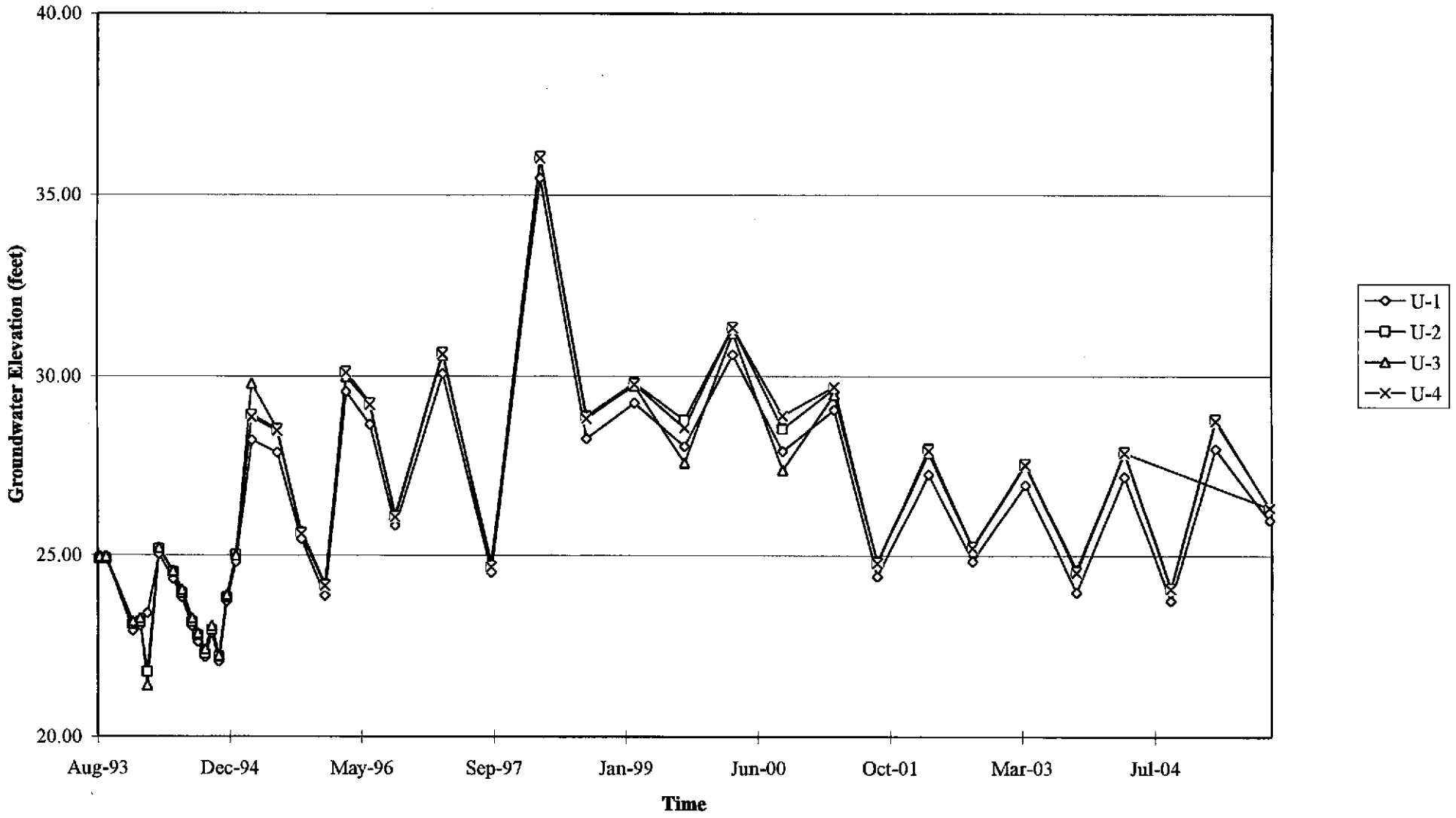
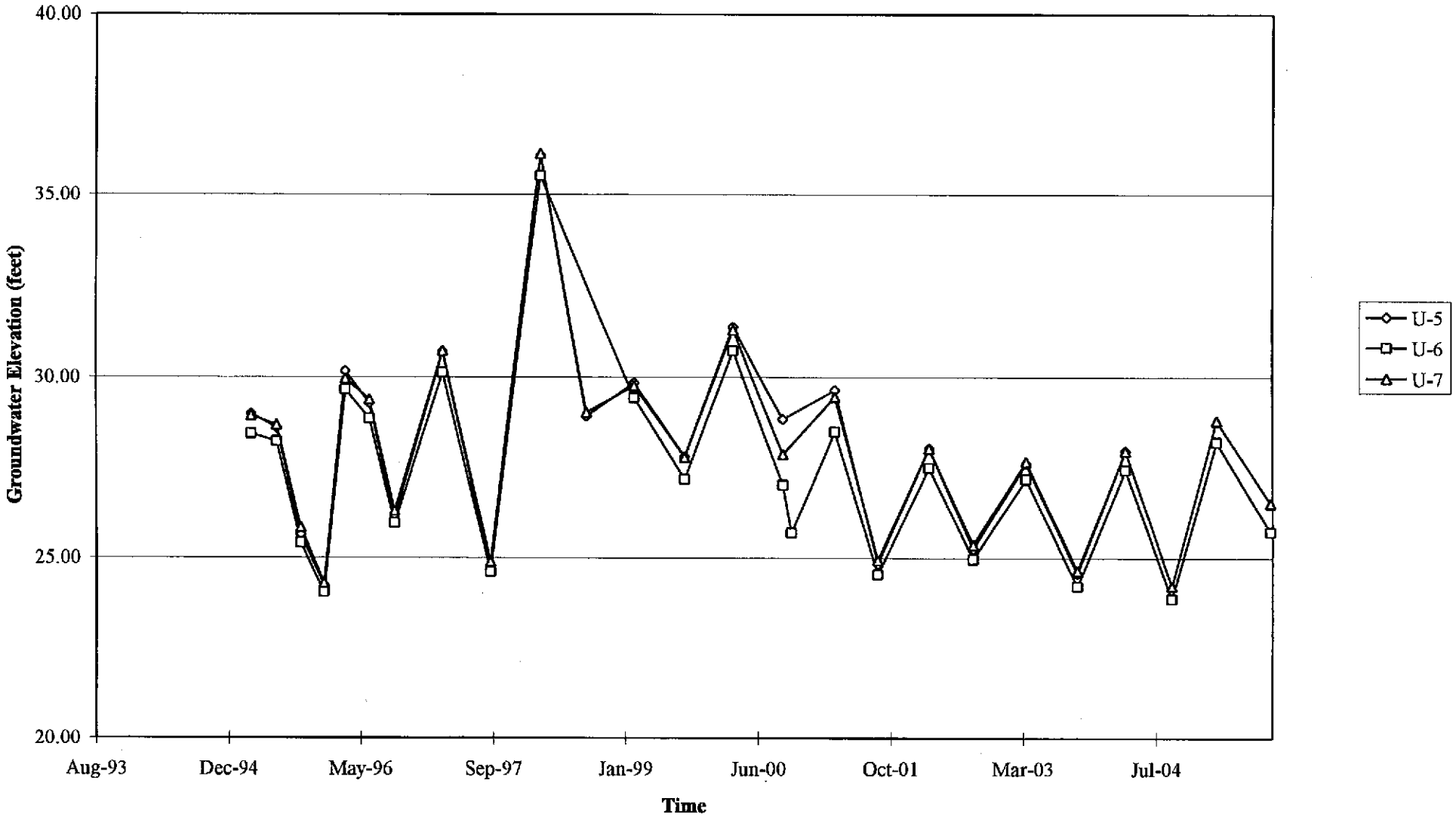
GRAPHS

Groundwater Elevations vs. Time
76 Station 5430

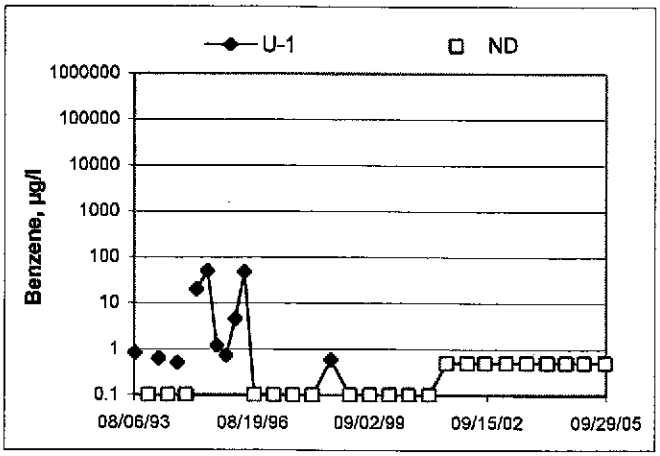


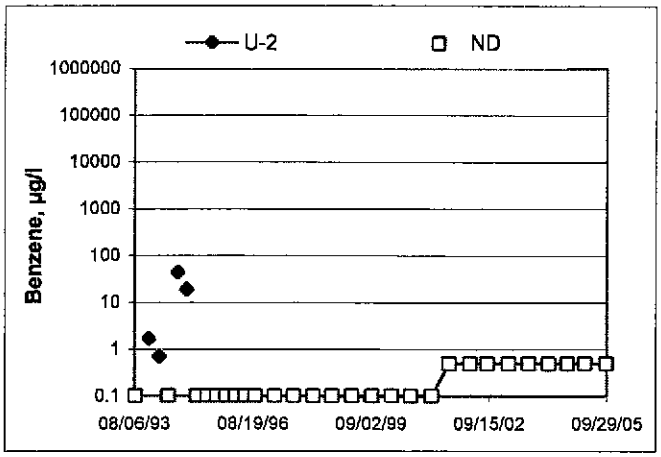
Groundwater Elevations vs. Time
76 Station 5430

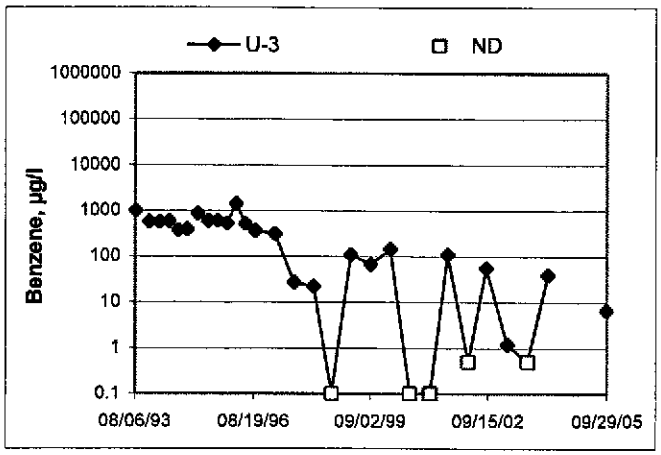


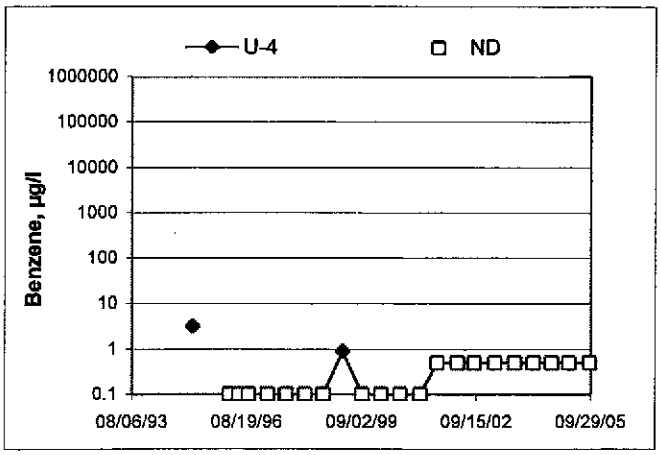
Benzene Concentrations vs Time

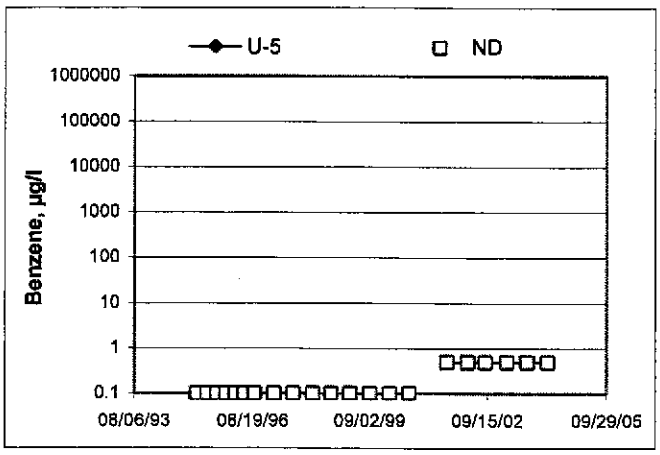
76 Station 5430

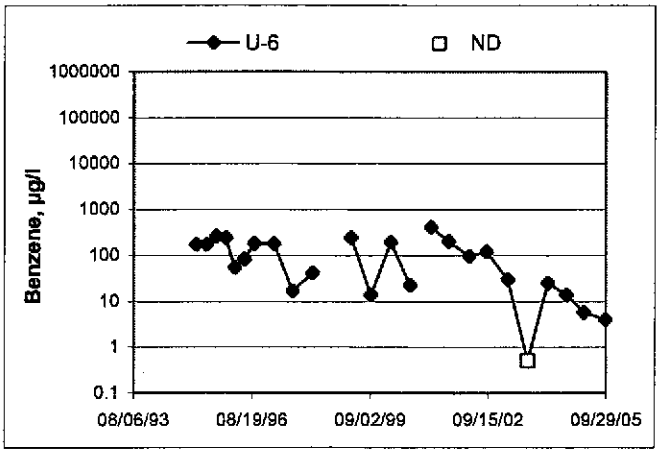


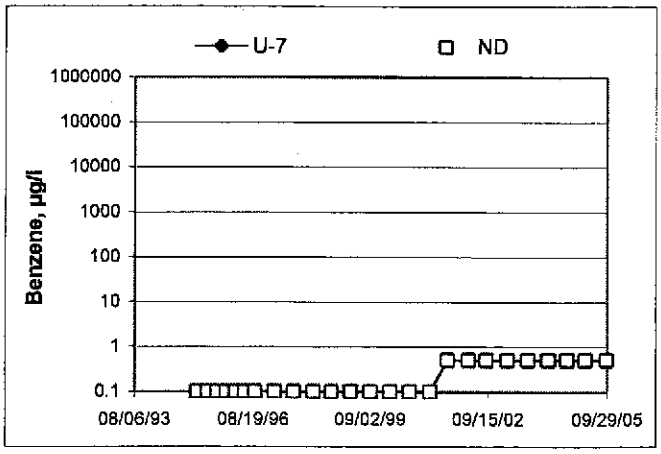












GENERAL FIELD PROCEDURES

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: Melissa **Job #/Task #:** 41050001/6420 **Date:** 09-21-05

Site # 5430 **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
U-7	0510	✓	37.58	28.53	—	—	0610	2"
U-5	—	—	—	—	—	—	—	paved over
U-4	0514	✓	38.77	29.03	—	—	0657	2"
U-2	—	—	—	—	—	—	—	car parked over
U-1	0524	✓	39.37	30.10	—	—	0635	2"
U-6	—	—	—	—	—	—	—	car parked over
U-3	—	—	—	—	—	—	—	paved over

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

FIELD MONITORING DATA SHEET

Technician: Michael D Kibbett Job #/Task #: 410500001 / EA20 Date: 09-22-05

Site # 5430 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
U-3	0949	X	38.47	28.87	0	0	1136	2"
U-2	1009	X	39.11	28.95	0	0	1211	2"
U-5	—	—	—	—	—	—	—	planter on well
U-6	1019	X	40.32	29.64	0	0	1130	2"

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 5430 Project No.: 410500001 Date: 09-21-05

Well No.: U-7 Purge Method: Dip

Depth to Water (feet): 28.53 Depth to Product (feet): 0

Total Depth (feet): 37.58 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.05 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 30.34 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0602			1	643	18.3	6.65		
			2	644	18.7	6.68		
	0604		3	632	19.0	6.87		

Static at Time Sampled	Total Gallons Purged	Time Sampled
29.79	3	0610

Comments:

Well No.: U-4 Purge Method: HB

Depth to Water (feet): 29.03 Depth to Product (feet): 0

Total Depth (feet): 38.77 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.74 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 30.97 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0641			2	608	18.7	6.86		
			4	599	18.9	6.72		
	0652		6	589	19.0	6.65		

Static at Time Sampled	Total Gallons Purged	Time Sampled
29.08	6	0657

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 5430 Project No.: 41050001 Date: 09-21-05

Well No.: U-1 Purge Method: Pig

Depth to Water (feet): 30.10 Depth to Product (feet): 0

Total Depth (feet): 39.37 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.27 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 31.95 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0620			2	759	19.1	7.03		
			4	762	18.9	7.00		
	0625		6	760	18.5	7.05		

Static at Time Sampled	Total Gallons Purged	Time Sampled
31.95	6	0635

Comments:

Well No.: _____ Purge Method: _____

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

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

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

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Mike Kuhnell

Site: 5430 Project No.: 410500001 Date: 09-22-05

Well No.: U-6 Purge Method: HB

Depth to Water (feet): 29.64 Depth to Product (feet): 0

Total Depth (feet): 40.32 LPH & Water Recovered (gallons): 0

Water Column (feet): 10.66 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 31.78 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
1039			2	720	22.5	6.50		
			4	594	23.4	6.08		
	1055		6	533	23.2	6.12		

Static at Time Sampled	Total Gallons Purged	Time Sampled
29.73	6	1130

Comments:

Well No.: U-3 Purge Method: HB

Depth to Water (feet): 28.87 Depth to Product (feet): 0

Total Depth (feet): 38.47 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.60 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 30.79 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
1101			2	530	22.3	6.38		
			4	539	22.2	6.43		
	1118		6	533	22.4	6.45		

Static at Time Sampled	Total Gallons Purged	Time Sampled
28.92	6	1136

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Mike Kobault

Site: 5430 Project No.: 410S0001 Date: 09-22-05

Well No.: U-2 Purge Method: HB

Depth to Water (feet): 28.95 Depth to Product (feet): 0

Total Depth (feet): 39.11 LPH & Water Recovered (gallons): 6

Water Column (feet): 10.16 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 30.96 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
1150			2	138.6	22.3	5.22		
			4	143.9	22.2	5.33		
	1207		6	144.8	22.2	5.35		

Static at Time Sampled	Total Gallons Purged	Time Sampled
29.10	6	1211

Comments:

Well No.: _____ Purge Method: _____

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

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

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

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

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: ~~5430~~ 09-22-05 STATION NUMBER: 5430

NAME OF TECH: Mike Kilwell CALLED GORDON: _____

CALLED PM: _____ NAME OF PM CALLED: Mike Glenn

WELL NUMBER: U-5 STATEMENT FROM PM _____ OR TECH X

message left: planter on well / unable to locate inside planter

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 09-21-05 STATION NUMBER: 5430

NAME OF TECH: Melissa CALLED GORDON: _____

CALLED PM: _____ NAME OF PM CALLED: A. Collins

WELL NUMBER: ~~MW-3, MW-5~~ U-3, U-5 STATEMENT FROM PM _____ OR TECH X

paved over

WELL NUMBER: ~~MW-6, MW-2~~ U-6, U-2 STATEMENT FROM PM _____ OR TECH X

parked cars on wells unable to move

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

BC Laboratories, Inc

Date of Report: 09/30/2005

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302
RE: 5430
BC Lab Number: 0509393

Enclosed are the results of analyses for samples received by the laboratory on 09/21/05 22:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers for
Contact Person: Vanessa Surratt
Client Service Rep

Authorized Signature

BC Laboratories, Inc

TRC Alton Geoscience	Project: 5430	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 09/30/05 08:54

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0509393-01	**COC Number:**	---	**Receive Date:**	09/21/05 22:30	Delivery Work Order (LabW:
	Project Number:	5430	**Sampling Date:**	09/21/05 06:57	Global ID: T0600101765
	Sampling Location:	U-4	**Sample Depth:**	---	Matrix: W
	Sampling Point:	U-4	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Melissa of TRCI			Cooler ID:
0509393-02	**COC Number:**	---	**Receive Date:**	09/21/05 22:30	Delivery Work Order (LabW:
	Project Number:	5430	**Sampling Date:**	09/21/05 06:10	Global ID: T0600101765
	Sampling Location:	U-7	**Sample Depth:**	---	Matrix: W
	Sampling Point:	U-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Melissa of TRCI			Cooler ID:
0509393-03	**COC Number:**	---	**Receive Date:**	09/21/05 22:30	Delivery Work Order (LabW:
	Project Number:	5430	**Sampling Date:**	09/21/05 06:35	Global ID: T0600101765
	Sampling Location:	U-1	**Sample Depth:**	---	Matrix: W
	Sampling Point:	U-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Melissa of TRCI			Cooler ID:

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509393-01 | **Client Sample Name:** 5430, U-4, U-4, 9/21/05 6:57:00AM, Melissa

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	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.9	%	76 - 114 (LCL - UCL)		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795		
Toluene-d8 (Surrogate)	85.0	%	88 - 110 (LCL - UCL)		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795		A20, S09
4-Bromofluorobenzene (Surrogate)	88.7	%	86 - 115 (LCL - UCL)		EPA-8260	09/22/05	09/27/05 04:09	svm	MS-V4	1	BOI0795		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509393-02 | **Client Sample Name:** 5430, U-7, U-7, 9/21/05 6:10:00AM, Melissa

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	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Bromoform	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Bromomethane	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Chlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Chloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Chloroform	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Chloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509393-02 | **Client Sample Name:** 5430, U-7, U-7, 9/21/05 6:10:00AM, Melissa

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methylene chloride	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Toluene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Trichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Vinyl chloride	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.2	%	76 - 114 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
1,2-Dichloroethane-d4 (Surrogate)	98.2	%	76 - 114 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
Toluene-d8 (Surrogate)	86.3	%	88 - 110 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		A20, S09
Toluene-d8 (Surrogate)	86.3	%	88 - 110 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		A20, S09
4-Bromofluorobenzene (Surrogate)	88.8	%	86 - 115 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		
4-Bromofluorobenzene (Surrogate)	88.8	%	86 - 115 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 07:39	svm	MS-V4	1	BOI0952		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509393-03 | **Client Sample Name:** 5430, U-1, U-1, 9/21/05 6:35:00AM, Melissa

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	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Bromoform	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Bromomethane	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Chlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Chloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Chloroform	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Chloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,2-Dichloroethane	0.71	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509393-03 | **Client Sample Name:** 5430, U-1, U-1, 9/21/05 6:35:00AM, Melissa

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methylene chloride	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Toluene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Trichloroethene	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Vinyl chloride	ND	ug/L	0.50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	76 - 114 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	76 - 114 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Toluene-d8 (Surrogate)	91.1	%	88 - 110 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
Toluene-d8 (Surrogate)	91.1	%	88 - 110 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
4-Bromofluorobenzene (Surrogate)	87.3	%	86 - 115 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		
4-Bromofluorobenzene (Surrogate)	87.3	%	86 - 115 (LCL - UCL)		EPA-8260	09/26/05	09/27/05 08:09	svm	MS-V4	1	BOI0952		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

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	Control Limits Percent Recovery	Lab Quals
Benzene	BOI0795	BOI0795-MS1	Matrix Spike	ND	27.320	25.000	ug/L		109		70 - 130	
		BOI0795-MSD1	Matrix Spike Duplicate	ND	27.270	25.000	ug/L	0.00	109	20	70 - 130	
Toluene	BOI0795	BOI0795-MS1	Matrix Spike	ND	26.120	25.000	ug/L		104		70 - 130	
		BOI0795-MSD1	Matrix Spike Duplicate	ND	25.970	25.000	ug/L	0.00	104	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOI0795	BOI0795-MS1	Matrix Spike	ND	9.7800	10.000	ug/L		97.8		76 - 114	
		BOI0795-MSD1	Matrix Spike Duplicate	ND	9.7600	10.000	ug/L		97.6		76 - 114	
Toluene-d8 (Surrogate)	BOI0795	BOI0795-MS1	Matrix Spike	ND	9.9400	10.000	ug/L		99.4		88 - 110	
		BOI0795-MSD1	Matrix Spike Duplicate	ND	9.7500	10.000	ug/L		97.5		88 - 110	
4-Bromofluorobenzene (Surrogate)	BOI0795	BOI0795-MS1	Matrix Spike	ND	9.9400	10.000	ug/L		99.4		86 - 115	
		BOI0795-MSD1	Matrix Spike Duplicate	ND	9.9600	10.000	ug/L		99.6		86 - 115	
Benzene	BOI0952	BOI0952-MS1	Matrix Spike	ND	28.160	25.000	ug/L		113		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	29.930	25.000	ug/L	6.01	120	20	70 - 130	
Bromodichloromethane	BOI0952	BOI0952-MS1	Matrix Spike	ND	25.890	25.000	ug/L		104		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	28.020	25.000	ug/L	7.41	112	20	70 - 130	
Chlorobenzene	BOI0952	BOI0952-MS1	Matrix Spike	ND	27.190	25.000	ug/L		109		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	29.540	25.000	ug/L	7.93	118	20	70 - 130	
Chloroethane	BOI0952	BOI0952-MS1	Matrix Spike	ND	28.600	25.000	ug/L		114		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	31.230	25.000	ug/L	9.21	125	20	70 - 130	
1,4-Dichlorobenzene	BOI0952	BOI0952-MS1	Matrix Spike	ND	27.820	25.000	ug/L		111		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	30.510	25.000	ug/L	9.44	122	20	70 - 130	
1,1-Dichloroethane	BOI0952	BOI0952-MS1	Matrix Spike	ND	27.890	25.000	ug/L		112		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	29.600	25.000	ug/L	5.22	118	20	70 - 130	
1,1-Dichloroethene	BOI0952	BOI0952-MS1	Matrix Spike	ND	30.350	25.000	ug/L		121		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	32.430	25.000	ug/L	7.17	130	20	70 - 130	
Toluene	BOI0952	BOI0952-MS1	Matrix Spike	0.17000	28.050	25.000	ug/L		112		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	0.17000	30.310	25.000	ug/L	7.73	121	20	70 - 130	
Trichloroethene	BOI0952	BOI0952-MS1	Matrix Spike	ND	28.480	25.000	ug/L		114		70 - 130	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	30.300	25.000	ug/L	5.96	121	20	70 - 130	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

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	Control Limits Percent Recovery	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BOI0952	BOI0952-MS1	Matrix Spike	ND	9.8500	10.000	ug/L		98.5		76 - 114	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	10.090	10.000	ug/L		101		76 - 114	
Toluene-d8 (Surrogate)	BOI0952	BOI0952-MS1	Matrix Spike	ND	9.9600	10.000	ug/L		99.6		88 - 110	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	10.040	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BOI0952	BOI0952-MS1	Matrix Spike	ND	10.050	10.000	ug/L		100		86 - 115	
		BOI0952-MSD1	Matrix Spike Duplicate	ND	10.130	10.000	ug/L		101		86 - 115	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BOI0795	BOI0795-BS1	LCS	27.280	25.000	0.50	ug/L	109		70 - 130		
Toluene	BOI0795	BOI0795-BS1	LCS	26.130	25.000	0.50	ug/L	105		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BOI0795	BOI0795-BS1	LCS	9.5400	10.000		ug/L	95.4		76 - 114		
Toluene-d8 (Surrogate)	BOI0795	BOI0795-BS1	LCS	9.9700	10.000		ug/L	99.7		88 - 110		
4-Bromofluorobenzene (Surrogate)	BOI0795	BOI0795-BS1	LCS	9.9600	10.000		ug/L	99.6		86 - 115		
Benzene	BOI0952	BOI0952-BS1	LCS	25.910	25.000	0.50	ug/L	104		70 - 130		
Bromodichloromethane	BOI0952	BOI0952-BS1	LCS	24.640	25.000	0.50	ug/L	98.6		70 - 130		
Chlorobenzene	BOI0952	BOI0952-BS1	LCS	24.740	25.000	0.50	ug/L	99.0		70 - 130		
Chloroethane	BOI0952	BOI0952-BS1	LCS	26.330	25.000	0.50	ug/L	105		70 - 130		
1,4-Dichlorobenzene	BOI0952	BOI0952-BS1	LCS	26.000	25.000	0.50	ug/L	104		70 - 130		
1,1-Dichloroethane	BOI0952	BOI0952-BS1	LCS	25.820	25.000	0.50	ug/L	103		70 - 130		
1,1-Dichloroethene	BOI0952	BOI0952-BS1	LCS	28.440	25.000	0.50	ug/L	114		70 - 130		
Toluene	BOI0952	BOI0952-BS1	LCS	25.900	25.000	0.50	ug/L	104		70 - 130		
Trichloroethene	BOI0952	BOI0952-BS1	LCS	26.210	25.000	0.50	ug/L	105		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BOI0952	BOI0952-BS1	LCS	9.7800	10.000		ug/L	97.8		76 - 114		
Toluene-d8 (Surrogate)	BOI0952	BOI0952-BS1	LCS	10.070	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BOI0952	BOI0952-BS1	LCS	10.130	10.000		ug/L	101		86 - 115		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/30/05 08:54

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	BOI0795	BOI0795-BLK1	ND	ug/L	0.50	0.13	
Ethylbenzene	BOI0795	BOI0795-BLK1	ND	ug/L	0.50	0.14	
Methyl t-butyl ether	BOI0795	BOI0795-BLK1	ND	ug/L	0.50	0.15	
Toluene	BOI0795	BOI0795-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BOI0795	BOI0795-BLK1	ND	ug/L	1.0	0.40	
Total Purgeable Petroleum Hydrocarbons	BOI0795	BOI0795-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BOI0795	BOI0795-BLK1	98.5	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOI0795	BOI0795-BLK1	98.4	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOI0795	BOI0795-BLK1	88.5	%	86 - 115 (LCL - UCL)		
Benzene	BOI0952	BOI0952-BLK1	ND	ug/L	0.50	0.12	
Ethylbenzene	BOI0952	BOI0952-BLK1	ND	ug/L	0.50	0.13	
Methyl t-butyl ether	BOI0952	BOI0952-BLK1	ND	ug/L	0.50	0.15	
Toluene	BOI0952	BOI0952-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BOI0952	BOI0952-BLK1	ND	ug/L	1.0	0.40	
Total Purgeable Petroleum Hydrocarbons	BOI0952	BOI0952-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BOI0952	BOI0952-BLK1	96.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOI0952	BOI0952-BLK1	98.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOI0952	BOI0952-BLK1	87.9	%	86 - 115 (LCL - UCL)		

TRC Alton Geoscience	Project: 5430	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 09/30/05 08:54

Notes and Definitions

S09	The surrogate recovery on the sample for this compound was not within the control limits.
J	Estimated value
A20	Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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

Submission #: 05-9393 | Project Code: | TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

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

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

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

COC Received ☑ YES ☐ NO

Ice Chest ID BLU Temperature: 4.9 °C Thermometer ID: Emissivity 0.97 Container VOA3

Date/Time 9/21/05 Analyst Init OTD

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

Comments: _____

Sample Numbering Completed By: JKA Date/Time: 9/22 0100

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

36578

Page 1 of 1

Report To: Client: TRC	Project #: 41050001
Attn: Anjo Farfan	Project Name: Conoco Phillips
Street Address: 21 Technology Dr.	Project Code: 5430
City, State, Zip: Irvine, Ca 92618	Sampler(s): Melissa
Phone: 949 341-7440 Fax: 949 753-0111	GlobalID: T0600101765
Email Address: afarfan@trcsolutions.com	Lab WO: 1411TRC501
Submittal #: 05-9393	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	TPH by 8260B	BTEX/MTBE by 8260B	HVOC's (8010/8021) by 8021B	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
-1	U-4	09/21/05	0657	X	X					X			Std	3 voas w/HCl
-2	U-7		0610			X								6 voas w/HCl
-3	U-1		0635											

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 15 work days

CHK BY DTC

DISTRIBUTION MANUAL SUB-OUT ☐

Billing ☐ Same as above

Client: Conoco Phillips

Address:

City: 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

	Relinquished By	Date	Time	Received By	Date	Time
1.		09-21-05	0815	Refrigerator	09-21-05	0815
2.		09-21-05	1450		9/21/05	1450
3.		9-21-05	1800		9-21-05	1805

Northern CA

REC

BC Laboratories, Inc

Date of Report: 09/28/2005

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 5430

BC Lab Number: 0509437

Enclosed are the results of analyses for samples received by the laboratory on 09/22/05 21:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Surratt

Client Service Rep

Authorized Signature

4100 Atlas Court • Bakersfield, CA 93308 • (661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0509437-01	COC Number:	---	Receive Date:	09/22/05 21:30	Delivery Work Order (LabW:
	Project Number:	5430	Sampling Date:	09/22/05 11:30	Global ID: T0600101765
	Sampling Location:	U-6	Sample Depth:	---	Matrix: W
	Sampling Point:	U-6	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Mike K. of TRCI			Cooler ID:
0509437-02	COC Number:	---	Receive Date:	09/22/05 21:30	Delivery Work Order (LabW:
	Project Number:	5430	Sampling Date:	09/22/05 11:36	Global ID: T0600101765
	Sampling Location:	U-3	Sample Depth:	---	Matrix: W
	Sampling Point:	U-3	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Mike K. of TRCI			Cooler ID:
0509437-03	COC Number:	---	Receive Date:	09/22/05 21:30	Delivery Work Order (LabW:
	Project Number:	5430	Sampling Date:	09/22/05 12:11	Global ID: T0600101765
	Sampling Location:	U-2	Sample Depth:	---	Matrix: W
	Sampling Point:	U-2	Sample Matrix:	Water	Samle QC Type (SACode): CS
	Sampled By:	Mike K. of TRCI			Cooler ID:

TRC Alton Geoscience	Project: 5430	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509437-01 | **Client Sample Name:** 5430, U-6, U-6, 9/22/2005 11:30:00AM, Mike K.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	4.0	ug/L	0.50		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	
Ethylbenzene	160	ug/L	0.50		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	S01, Z1
Methyl t-butyl ether	1.1	ug/L	0.50		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	
Total Xylenes	3.6	ug/L	1.0		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	
Total Purgeable Petroleum Hydrocarbons	3200	ug/L	50		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931	ND	S01, Z1
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 02:58	MGC	MS-V5	1	BOI0931		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509437-02 | **Client Sample Name:** 5430, U-3, U-3, 9/22/2005 11:36:00AM, Mike K.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	6.6	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Ethylbenzene	110	ug/L	2.5		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	5	BOI0931	ND	A01

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509437-02 | **Client Sample Name:** 5430, U-3, U-3, 9/22/2005 11:36:00AM, Mike K.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methylene chloride	ND	ug/L	1.0		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Methyl t-butyl ether	0.76	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Methyl t-butyl ether	0.76	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Total Xylenes	8.9	ug/L	1.0		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
Total Purgeable Petroleum Hydrocarbons	1600	ug/L	50		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	5	BOI0931		
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	1	BOI0931		
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	5	BOI0931		
Toluene-d8 (Surrogate)	99.4	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	1	BOI0931		
Toluene-d8 (Surrogate)	99.4	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	5	BOI0931		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509437-02 | **Client Sample Name:** 5430, U-3, U-3, 9/22/2005 11:36:00AM, Mike K.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/26/05 16:13	MGC	MS-V5	1	BOI0931		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:18	MGC	MS-V5	1	BOI0931		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509437-03 | **Client Sample Name:** 5430, U-2, U-2, 9/22/2005 12:11:00PM, Mike K.

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	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
Methyl t-butyl ether	1.3	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931	ND	
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931		
Toluene-d8 (Surrogate)	95.0	%	88 - 110 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931		
4-Bromofluorobenzene (Surrogate)	99.6	%	86 - 115 (LCL - UCL)		EPA-8260	09/23/05	09/24/05 06:51	MGC	MS-V5	1	BOI0931		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

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	Control Limits Percent Recovery	Lab Quals
Benzene	BOI0931	BOI0931-MS1	Matrix Spike	3.9700	31.220	25.000	ug/L		109		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	3.9700	31.770	25.000	ug/L	1.82	111	20	70 - 130	
Bromodichloromethane	BOI0931	BOI0931-MS1	Matrix Spike	ND	23.580	25.000	ug/L		94.3		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	22.750	25.000	ug/L	3.56	91.0	20	70 - 130	
Chlorobenzene	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.860	25.000	ug/L		103		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	26.170	25.000	ug/L	1.92	105	20	70 - 130	
Chloroethane	BOI0931	BOI0931-MS1	Matrix Spike	ND	30.190	25.000	ug/L		121		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	30.270	25.000	ug/L	0.00	121	20	70 - 130	
1,4-Dichlorobenzene	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.080	25.000	ug/L		100		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	25.260	25.000	ug/L	0.995	101	20	70 - 130	
1,1-Dichloroethane	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.460	25.000	ug/L		102		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	25.600	25.000	ug/L	0.00	102	20	70 - 130	
1,1-Dichloroethene	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.610	25.000	ug/L		102		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	24.740	25.000	ug/L	2.99	99.0	20	70 - 130	
Toluene	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.280	25.000	ug/L		101		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	24.860	25.000	ug/L	1.60	99.4	20	70 - 130	
Trichloroethene	BOI0931	BOI0931-MS1	Matrix Spike	ND	25.060	25.000	ug/L		100		70 - 130	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	24.750	25.000	ug/L	1.01	99.0	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOI0931	BOI0931-MS1	Matrix Spike	ND	10.760	10.000	ug/L		108		76 - 114	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	10.220	10.000	ug/L		102		76 - 114	
Toluene-d8 (Surrogate)	BOI0931	BOI0931-MS1	Matrix Spike	ND	10.280	10.000	ug/L		103		88 - 110	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	10.070	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	BOI0931	BOI0931-MS1	Matrix Spike	ND	9.5900	10.000	ug/L		95.9		86 - 115	
		BOI0931-MSD1	Matrix Spike Duplicate	ND	9.8900	10.000	ug/L		98.9		86 - 115	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BOI0931	BOI0931-BS1	LCS	26.590	25.000	0.50	ug/L	106		70 - 130		
Bromodichloromethane	BOI0931	BOI0931-BS1	LCS	23.130	25.000	0.50	ug/L	92.5		70 - 130		
Chlorobenzene	BOI0931	BOI0931-BS1	LCS	24.200	25.000	0.50	ug/L	96.8		70 - 130		
Chloroethane	BOI0931	BOI0931-BS1	LCS	30.220	25.000	0.50	ug/L	121		70 - 130		
1,4-Dichlorobenzene	BOI0931	BOI0931-BS1	LCS	24.870	25.000	0.50	ug/L	99.5		70 - 130		
1,1-Dichloroethane	BOI0931	BOI0931-BS1	LCS	25.000	25.000	0.50	ug/L	100		70 - 130		
1,1-Dichloroethene	BOI0931	BOI0931-BS1	LCS	25.460	25.000	0.50	ug/L	102		70 - 130		
Toluene	BOI0931	BOI0931-BS1	LCS	24.730	25.000	0.50	ug/L	98.9		70 - 130		
Trichloroethene	BOI0931	BOI0931-BS1	LCS	27.270	25.000	0.50	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BOI0931	BOI0931-BS1	LCS	10.840	10.000		ug/L	108		76 - 114		
Toluene-d8 (Surrogate)	BOI0931	BOI0931-BS1	LCS	10.030	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BOI0931	BOI0931-BS1	LCS	9.8800	10.000		ug/L	98.8		86 - 115		

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

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	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.12	
Bromodichloromethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.12	
Bromoform	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.33	
Bromomethane	BOI0931	BOI0931-BLK1	ND	ug/L	1.0	0.21	
Carbon tetrachloride	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.15	
Chlorobenzene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.12	
Chloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.17	
Chloroform	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.11	
Chloromethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.17	
Dibromochloromethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.14	
1,2-Dichlorobenzene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.077	
1,3-Dichlorobenzene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.14	
1,4-Dichlorobenzene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.14	
Dichlorodifluoromethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.20	
1,1-Dichloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.13	
1,2-Dichloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.25	
1,1-Dichloroethene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.14	
cis-1,2-Dichloroethene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.19	
trans-1,2-Dichloroethene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.19	
1,2-Dichloropropane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.16	
cis-1,3-Dichloropropene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.13	
trans-1,3-Dichloropropene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.14	
Ethylbenzene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.13	
Methylene chloride	BOI0931	BOI0931-BLK1	ND	ug/L	1.0	0.44	
Methyl t-butyl ether	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.15	

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

Project: 5430
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/28/05 14:46

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
1,1,2,2-Tetrachloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.23	
Tetrachloroethene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.15	
Toluene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.15	
1,1,1-Trichloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.16	
1,1,2-Trichloroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.15	
Trichloroethene	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.18	
Trichlorofluoromethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.20	
1,1,2-Trichloro-1,2,2-trifluoroethane	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.18	
Vinyl chloride	BOI0931	BOI0931-BLK1	ND	ug/L	0.50	0.16	
Total Xylenes	BOI0931	BOI0931-BLK1	ND	ug/L	1.0	0.40	
Total Purgeable Petroleum Hydrocarbons	BOI0931	BOI0931-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BOI0931	BOI0931-BLK1	97.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOI0931	BOI0931-BLK1	102	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOI0931	BOI0931-BLK1	102	%	86 - 115 (LCL - UCL)		

TRC Alton Geoscience	Project: 5430	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 09/28/05 14:46

Notes and Definitions

Z1	Unable to re-run, all voa's used(QC).
S01	Sample result is not within the quantitation range of the method.
J	Estimated value
A01	PQL's and MDL's are raised due to sample dilution.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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

Submission #: 05-9437 | Project Code: | TB Batch #

SHIPPING INFORMATION

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

SHIPPING CONTAINER

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

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

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

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

COC Received ☑ YES ☐ NO

Ice Chest ID R/W | Temperature: 3.4 °C | Thermometer ID: 48 | Emissivity 1 | Container Qt A | Date/Time 9/22 2130 | Analyst Init MM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A69 9/22 MM	A3							
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE.										

Comments:_____

Sample Numbering Completed By: MM Date/Time: 9/23 0530

BC LABORATORIES, INC.
4100 Atlas Court ▯ Bakersfield, CA 93308
(661) 327-4911 ▯ FAX (661) 327-1918

CHAIN OF CUSTODY

05-9437

Analysis Requested

Circle one: Phillips 66 / Unocal

Address: 1935 Washington Ave

City: San Leandro

State: CA Zip:

Phillips 66 /Unocal Mgr: Thomas Kosel

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

4-digit site#: 5430

Workorder #: 1411TRC501

Project #: 410500001

Sampler Name: Mike Kubsch

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/~~GAS~~ BY 8260B	ETHANOL by 8260B	TPPH by 8260B	HVOC's (8010 list) 8021B		Turnaround Time Requested
-1	U-6		09-22-05 1130	GW					X		X			STD
-2	U-3		1136	↓					↓		↓	X		↓
-3	U-2		1211	↓					↓		↓			↓

CHK BY: OK

DISTRIBUTION: MA JW

SUB-OUT ☐

Comments

GLOBAL ID: T0600101765

Relinquished by (Signature): [signature]

Relinquished by (Signature): [signature]

Relinquished by (Signature): [signature]

Received by: refrigerator — Date & Time: 09-22-05 1430

Received by: [signature] — Date & Time: 9-22-05 1570

Received by: [signature] 9-22-05 1755

RCH [signature] 9-22-05

B-LAB, 2130 2130

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

Northern CA

STATEMENTS

Purge Water Disposal

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

Limitations

The fluid level monitoring and groundwater samp ling 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 condit ions. If actual conditions differ from those described in this report, our office should be notified.