ConocoPhillips
76 Broadway
Sacramento, California 95818

October 31, 2005

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

Re: **Report Transmittal**
Quarterly Report
Third Quarter – 2005
76 Service Station #3538
411 W. MacArthur Boulevard
Oakland, CA

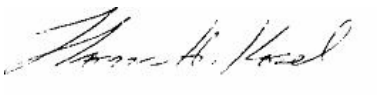
Dear Mr. Hwang:

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

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

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

Sincerely,



Thomas Kosel
Risk Management & Remediation

Attachment

TRC
Customer-Focused Solutions

October 31, 2005 TRC Project No. 42014204

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

RE: Quarterly Status Report - Third Quarter 2005
76 Service Station #3538, 411 W. MacArthur Boulevard, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Third Quarter 2005 Status Report for the subject site, a former Tosco (76) service station located on the southwest corner of MacArthur Boulevard and Webster Street in Oakland, California. The site is currently a used car sales lot and is entirely fenced. All petroleum storage and dispensing equipment were removed in September of 1998 during station demolition activities. Six groundwater-monitoring wells are present at and in the site vicinity.

PREVIOUS ASSESSMENTS

July 1989: One 10,000-gallon and one 12,000-gallon gasoline underground storage tanks (USTs) were removed and replaced with two new 12,000-gallon USTs. One 550-gallon waste oil UST and associated piping for all three tanks were also removed. No holes or cracks were observed in the gasoline USTs; however, holes were observed in the waste oil UST. Groundwater was encountered in the former UST pit at a depth of approximately 10.5 feet below ground surface (bgs), which prohibited the collection of soil samples below the former gasoline tanks. Confirmation soil samples from the sidewalls contained moderate maximum concentrations of total petroleum hydrocarbons as gasoline (TPH-g), and low maximum concentrations of benzene. These sample areas were subsequently removed during overexcavation. Soil samples from the base of the waste oil UST pit were non-detect for TPH-g and benzene, toluene, ethylbenzene, and xylenes (BTEX).

September 1989: Karpealian Engineering, Inc. (KEI) installed four groundwater monitoring wells at the site. The four wells were installed to depths of approximately 30 feet bgs.

November 1992: Two additional groundwater monitoring wells were installed offsite to a depth of 30 feet bgs.

September 1998: Two 12,000-gallon gasoline USTs and associated product piping and dispensers were removed from the site during station demolition activities. No holes or cracks

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

were observed in the tanks. Confirmation soil samples contained low maximum concentrations of TPH-g and benzene, and methyl tertiary butyl ether (MTBE) was not detected.

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

SENSITIVE RECEPTORS

A sensitive receptor survey performed by the California Department of Water Resources (DWR) identified no water supply wells located within 2,000 feet of the site. The nearest well identified is a private water well located approximately 2,500 feet east-southeast of the site.

MONITORING AND SAMPLING

Currently, two wells are monitored semi-annually and four wells are monitored annually. Six wells were gauged and sampled this quarter. The groundwater flow is toward the southwest at a calculated hydraulic gradient of 0.03 feet per foot.

CHARACTERIZATION STATUS

Currently, the MTBE distribution in groundwater is not defined to the southeast. TPH-g was detected in one of six wells sampled at a concentration of 65 micrograms per liter (µg/l) in onsite well MW-3. Benzene was detected in one of six wells sampled at a concentration of 1.2 µg/l in onsite well MW-2. MTBE was detected in three of six monitoring wells sample at a maximum concentration of 61 µg/l in onsite well MW-3.

REMEDIATION STATUS

October 1998: A total of 516.44 tons (approximately 380 cubic yards) of soil generated during station demolition was transported from the site to Forward Landfill in Manteca, California for disposal.

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

July 20, 2005: TRC requested an extension from the ACHCS for submittal of the revised work plan for Additional Soil and Groundwater Investigation to allow time to address technical comments proved in the ACHCS letter dated May 18, 2005. The request for extension was granted by the ACHCS.

September 14, 2005: TRC submitted the Additional Soil and Groundwater Investigation Work Plan to the ACHCS incorporating technical comments from their May 18, 2005 letter. In a recent meeting, the ACHCS indicated review of the work plan should be completed by November 18, 2005.

CURRENT QUARTER ACTIVITIES

September 30, 2005: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

CONCLUSIONS AND RECOMMENDATIONS

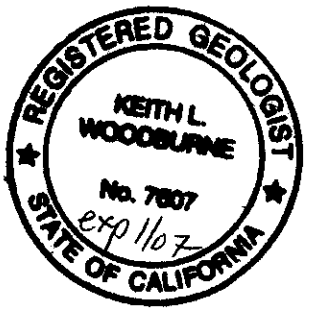
Upon approval by the ACHCS, TRC will implement the approved scope of work outline in the September 14, 2005 Additional Soil and Groundwater Investigation Work Plan. Based on the results of the offsite investigation, TRC may recommend no further action and request the site be referred for closure.

TRC recommends continuing semi-annual monitoring and sampling until case closure is granted.

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

Sincerely,
TRC

Keith Woodburne, P.G.
Senior Project Geologist



Attachment:
Semi-Annual Monitoring Report, April through September 2005 (TRC, October 27, 2005)

cc: Shelby Lathrop, ConocoPhillips (electronic upload only)

TRC

Customer-Focused Solutions

October 27, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MS. SHELBY LATHROP

SITE: FORMER 76 STATION 3538
411 WEST MACARTHUR BLVD.
OAKLAND, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

Please find enclosed our Semi-Annual Monitoring Report for Former 76 Station 3538, located at 411 West MacArthur Blvd, Oakland, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Keith Woodburne, TRC (2 copies)

Enclosures
20-0400/3538R04.QMS

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

TRC

Customer-Focused Solutions

SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2005

Former 76 Station 3538
411 West MacArthur Blvd.
Oakland, California

Prepared For:

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

By:

Senior Project Geologist, Irvine Operations
October 27, 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
Former 76 Station 3538
411 West MacArthur Blvd.
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-588-7609**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **09/30/05**

Sample Points

Groundwater wells: **4** onsite, **2** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm/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: **14.45 feet** Maximum: **18.04 feet**
Average groundwater elevation (relative to available local datum): **54.26 feet**
Average change in groundwater elevation since previous event: **-1.16 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.03 ft/ft, southwest**
Previous event: **0.02 ft/ft, south (03/02/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **1.2 µg/l (MW-2)**

Wells with **TPH-G**	**1**	Maximum: **65 µg/l (MW-3)**
Wells with **MTBE**	**3**	Maximum: **61 µg/l (MW-3)**

Notes:

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

TABLES

TABLE KEY

STANDARD 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 re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for Former 76 Station 3538 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 30, 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
09/30/05	72.12	18.04	0.00	54.08	-1.89	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
MW-2														
09/30/05	71.34	17.94	0.00	53.40	-1.31	ND<50	--	1.2	ND<0.30	ND<0.30	ND<0.60	1.6	--	
MW-3														
09/30/05	71.40	17.79	0.00	53.61	-1.32	65	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	61	--	
MW-4														
09/30/05	71.54	17.74	0.00	53.80	-1.49	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	
MW-5														
09/30/05	71.16	17.41	0.00	53.75	-0.98	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	
MW-6														
09/30/05	71.37	14.45	0.00	56.92	0.06	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1.7	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
09/15/89	--	--	--	--	--	ND	--	ND	0.61	ND	ND	--	--	
01/23/90	--	--	--	--	--	ND	--	1.5	2.3	ND	4.3	--	--	
04/19/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/17/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/16/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/15/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/12/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/15/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/14/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/13/93	72.43	17.70	0.00	54.73	--	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/14/93	72.43	18.49	0.00	53.94	-0.79	ND	--	2.2	2.1	1.1	6.2	--	--	
10/14/93	72.10	18.32	0.00	53.78	-0.16	--	--	--	--	--	--	--	--	
01/12/94	72.10	18.18	0.00	53.92	0.14	--	--	--	--	--	--	--	--	
04/11/94	72.10	17.80	0.00	54.30	0.38	--	--	--	--	--	--	--	--	
07/07/94	72.10	18.28	0.00	53.82	-0.48	ND	--	ND	ND	ND	ND	--	--	
10/05/94	72.10	18.55	0.00	53.55	-0.27	--	--	--	--	--	--	--	--	
01/09/95	72.10	17.90	0.00	54.20	0.65	--	--	--	--	--	--	--	--	
04/17/95	72.10	17.22	0.00	54.88	0.68	--	--	--	--	--	--	--	--	
07/19/95	72.10	18.03	0.00	54.07	-0.81	ND	--	ND	ND	ND	ND	--	--	
10/26/95	72.10	18.67	0.00	53.43	-0.64	--	--	--	--	--	--	--	--	
01/16/96	72.10	17.20	0.00	54.90	1.47	--	--	--	--	--	--	--	--	
04/15/96	72.10	17.40	0.00	54.70	-0.20	--	--	--	--	--	--	--	--	
07/11/96	72.10	18.03	0.00	54.07	-0.63	ND	--	ND	ND	ND	ND	ND	--	
01/17/97	72.10	16.54	0.00	55.56	1.49	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
07/21/97	72.10	18.16	0.00	53.94	-1.62	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	72.10	16.05	0.00	56.05	2.11	--	--	--	--	--	--	--	--	
07/06/98	72.10	16.46	0.00	55.64	-0.41	ND	--	ND	ND	ND	ND	ND	--	
01/13/99	72.10	17.37	0.00	54.73	-0.91	--	--	--	--	--	--	--	--	
08/31/99	72.12	17.00	0.00	55.12	0.39	ND	--	ND	ND	ND	ND	ND	--	
01/21/00	72.12	17.04	0.00	55.08	-0.04	--	--	--	--	--	--	--	--	
07/10/00	72.12	18.10	0.00	54.02	-1.06	ND	--	ND	ND	ND	ND	ND	--	
01/04/01	72.12	17.95	0.00	54.17	0.15	--	--	--	--	--	--	--	--	
07/16/01	72.12	18.03	0.00	54.09	-0.08	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	72.12	17.31	0.00	54.81	0.72	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	72.12	18.15	0.00	53.97	-0.84	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	72.12	17.66	0.00	54.46	0.49	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	72.12	17.86	0.00	54.26	-0.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	72.12	17.43	0.00	54.69	0.43	--	--	--	--	--	--	--	--	Monitored Only
07/29/04	72.12	18.12	0.00	54.00	-0.69	ND<50	--	ND<0.3	0.38	ND<0.3	ND<0.6	ND<1	ND<0.5	
03/02/05	72.12	16.15	0.00	55.97	1.97	--	--	--	--	--	--	--	--	Sampled Annually
09/30/05	72.12	18.04	0.00	54.08	-1.89	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	ND<0.50	
MW-2														
09/15/89	--	--	--	--	--	290	--	ND	12	ND	ND	--	--	
01/23/90	--	--	--	--	--	400	--	73	36	10	40	--	--	
04/19/90	--	--	--	--	--	3900	--	550	5.1	91	390	--	--	
07/17/90	--	--	--	--	--	490	--	76	0.59	11	46	--	--	
10/16/90	--	--	--	--	--	1400	--	430	2.0	48	240	--	--	
01/15/91	--	--	--	--	--	680	--	170	0.7	19	81	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
04/12/91	--	--	--	--	--	2200	--	160	4.3	23	62	--	--	
07/15/91	--	--	--	--	--	2200	--	770	12	72	370	--	--	
10/15/91	--	--	--	--	--	140	--	44	0.56	1.5	12	--	--	
01/15/92	--	--	--	--	--	220	--	37	0.52	1.1	7	--	--	
04/14/92	--	--	--	--	--	150	--	6.2	ND	ND	1.4	--	--	
07/14/92	--	--	--	--	--	130	--	3.7	ND	ND	ND	--	--	
10/12/92	--	--	--	--	--	370	--	3.4	0.56	ND	11	--	--	
01/08/93	--	--	--	--	--	510	--	ND	ND	ND	ND	--	--	
04/13/93	71.63	17.86	0.00	53.77	--	410	--	42	7.7	6.4	28	200	--	
07/14/93	71.63	18.38	0.00	53.25	-0.52	110	--	6.5	ND	ND	1.1	250	--	
10/14/93	71.38	18.20	0.00	53.18	-0.07	230	--	5.3	ND	ND	2.1	--	--	
01/12/94	71.38	18.08	0.00	53.30	0.12	300	--	7.8	3.8	1.8	10	--	--	
04/09/94	71.38	17.97	0.00	53.41	0.11	120	--	10	0.88	1.1	4.9	--	--	
04/11/94	71.38	17.88	0.00	53.50	0.09	--	--	--	--	--	--	--	--	
07/07/94	71.38	17.81	0.00	53.57	0.07	110	--	4.4	ND	ND	ND	--	--	
10/05/94	71.38	18.33	0.00	53.05	-0.52	720	--	20	ND	ND	3.1	--	--	
01/09/95	71.38	17.40	0.00	53.98	0.93	ND	--	ND	ND	ND	ND	--	--	
04/17/95	71.38	17.50	0.00	53.88	-0.10	93	--	5.6	0.62	1.7	5.5	--	--	
07/19/95	71.38	18.01	0.00	53.37	-0.51	77	--	32	0.58	1.7	4.1	--	--	
10/26/95	71.38	18.21	0.00	53.17	-0.20	54	--	13	ND	ND	0.72	220	--	
01/16/96	71.38	16.58	0.00	54.80	1.63	120	--	23	ND	ND	0.99	--	--	
04/15/96	71.38	17.61	0.00	53.77	-1.03	340	--	21	ND	2.2	3.7	45	--	
07/11/96	71.38	17.98	0.00	53.40	-0.37	540	--	34	ND	4.3	12	150	--	
01/17/97	71.38	17.08	0.00	54.30	0.90	320	--	63	2.4	9.4	26	260	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
07/21/97	71.38	18.06	0.00	53.32	-0.98	160	--	13	ND	1.3	1.6	180	--	
01/14/98	71.38	16.52	0.00	54.86	1.54	66	--	6.3	ND	ND	0.98	100	--	
07/06/98	71.38	16.87	0.00	54.51	-0.35	ND	--	2.3	ND	ND	ND	11	--	
01/13/99	71.38	17.88	0.00	53.50	-1.01	53	--	24	ND	0.52	0.98	120	--	
08/31/99	71.34	18.45	0.00	52.89	-0.61	86	--	14	ND	0.63	ND	21	--	
01/21/00	71.34	17.73	0.00	53.61	0.72	ND	--	1.94	ND	ND	ND	10.1	--	
07/10/00	71.34	18.14	0.00	53.20	-0.41	ND	--	ND	ND	ND	ND	46.6	--	
01/04/01	71.34	18.02	0.00	53.32	0.12	ND	--	0.925	ND	ND	ND	ND	--	
07/16/01	71.34	18.02	0.00	53.32	0.00	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	71.34	17.57	0.00	53.77	0.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/12/02	71.34	18.05	0.00	53.29	-0.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.34	17.44	0.00	53.90	0.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
07/10/03	71.34	--	--	--	--	--	--	--	--	--	--	--	--	INACCESSIBLE - VEHICLE PARKED OVER WELL
02/04/04	71.34	17.22	0.00	54.12	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
07/29/04	71.34	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-car parked on well
03/02/05	71.34	16.63	0.00	54.71	--	99	--	26	ND<0.50	3.5	2.8	ND<5.0	--	
09/30/05	71.34	17.94	0.00	53.40	-1.31	ND<50	--	1.2	ND<0.30	ND<0.30	ND<0.60	1.6	--	
MW-3														
09/15/89	--	--	--	--	--	32	--	ND	ND	ND	ND	--	--	
01/23/90	--	--	--	--	--	450	--	110	1.2	4.4	11	--	--	
04/19/90	--	--	--	--	--	3100	--	600	27	54	220	--	--	
07/17/90	--	--	--	--	--	4000	--	270	48	130	250	--	--	
10/16/90	--	--	--	--	--	740	--	210	1.4	2.5	82	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
01/15/91	--	--	--	--	--	3200	--	460	1.5	120	270	--	--	
04/12/91	--	--	--	--	--	880	--	170	1.1	34	110	--	--	
07/15/91	--	--	--	--	--	9200	--	1300	230	490	1900	--	--	
10/15/91	--	--	--	--	--	3100	--	390	34	150	390	--	--	
01/15/92	--	--	--	--	--	3000	--	590	14	310	750	--	--	
04/14/92	--	--	--	--	--	14000	--	660	48	560	2000	--	--	
07/14/92	--	--	--	--	--	21000	--	890	200	1200	4300	--	--	
10/12/92	--	--	--	--	--	3200	--	160	10	230	540	--	--	
01/08/93	--	--	--	--	--	1100	--	48	0.99	0.9	93	--	--	
04/13/93	72.06	17.96	0.00	54.10	--	12000	--	290	38	760	2300	1400	--	
07/14/93	72.06	18.54	0.00	53.52	-0.58	6300	--	190	ND	430	1000	860	--	
10/14/93	71.86	18.45	0.00	53.41	-0.11	2500	--	52	ND	110	250	--	--	
01/12/94	71.86	18.34	0.00	53.52	0.11	3800	--	78	ND	180	390	--	--	
04/09/94	71.86	18.19	0.00	53.67	0.15	1800	--	22	ND	140	280	--	--	
04/11/94	71.86	18.12	0.00	53.74	0.07	--	--	--	--	--	--	--	--	
07/07/94	71.86	18.21	0.00	53.65	-0.09	110	--	4.5	ND	ND	ND	--	--	
10/05/94	71.86	18.58	0.00	53.28	-0.37	ND	--	ND	ND	ND	ND	--	--	
01/09/95	71.86	17.69	0.00	54.17	0.89	ND	--	0.68	ND	ND	ND	--	--	
04/17/95	71.86	17.68	0.00	54.18	0.01	3700	--	80	10	270	510	--	--	
07/19/95	71.86	18.20	0.00	53.66	-0.52	15000	--	330	27	990	2400	--	--	
10/26/95	71.86	18.32	0.00	53.54	-0.12	14000	--	420	180	750	1600	4800	--	
01/16/96	71.86	17.95	0.00	53.91	0.37	920	--	38	ND	30	57	--	--	
04/15/96	71.86	17.78	0.00	54.08	0.17	9700	--	240	ND	570	860	3200	--	
07/11/96	71.86	18.19	0.00	53.67	-0.41	13000	--	69	5.5	430	900	740	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
01/17/97	71.86	17.23	0.00	54.63	0.96	4400	--	25	ND	270	580	1600	--	
07/21/97	71.86	18.29	0.00	53.57	-1.06	9000	--	36	ND	450	800	950	--	
01/14/98	71.86	16.71	0.00	55.15	1.58	7100	--	40	ND	380	360	930	--	
07/06/98	71.86	17.03	0.00	54.83	-0.32	6800	--	39	ND	320	360	370	--	
01/13/99	71.86	18.00	0.00	53.86	-0.97	1800	--	9.4	ND	58	36	180	--	
08/31/99	71.40	--	0.00	--	--	--	--	--	--	--	--	--	--	Well obstructed at 0.5 feet.
01/21/00	71.40	17.58	0.00	53.82	--	ND	--	ND	ND	ND	ND	21.4	--	
07/10/00	71.40	18.05	0.00	53.35	-0.47	ND	--	ND	ND	ND	ND	162	--	
08/25/00	71.40	17.82	0.00	53.58	0.23	--	--	--	--	--	--	--	180	
01/04/01	71.40	18.16	0.00	53.24	-0.34	ND	--	ND	ND	ND	ND	193	--	
07/16/01	71.40	17.98	0.00	53.42	0.18	ND	--	ND	ND	ND	ND	660	--	
01/28/02	71.40	17.84	0.00	53.56	0.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	34	--	
07/12/02	71.40	17.87	0.00	53.53	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11	19	
01/14/03	71.40	17.28	0.00	54.12	0.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	--	
07/10/03	71.40	17.64	0.00	53.76	-0.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	--	
02/04/04	71.40	17.05	0.00	54.35	0.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	--	
07/29/04	71.40	17.82	0.00	53.58	-0.77	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
03/02/05	71.40	16.47	0.00	54.93	1.35	93	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	--	
09/30/05	71.40	17.79	0.00	53.61	-1.32	65	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	61	--	
MW-4														
09/15/89	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/23/90	--	--	--	--	--	ND	--	ND	0.4	ND	ND	--	--	
04/19/90	--	--	--	--	--	ND	--	ND	0.48	ND	ND	--	--	
07/17/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
10/16/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/15/91	--	--	--	--	--	ND	--	ND	ND	--	ND	--	--	
04/12/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/15/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/14/92	--	--	--	--	--	ND	--	1.3	2.5	ND	1.0	--	--	
04/13/93	71.98	17.67	0.00	54.31	--	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/14/93	71.98	18.31	0.00	53.67	-0.64	ND	--	ND	ND	ND	ND	--	--	
10/14/93	71.64	18.08	0.00	53.56	-0.11	--	--	--	--	--	--	--	--	
01/12/94	71.64	17.97	0.00	53.67	0.11	--	--	--	--	--	--	--	--	
04/11/94	71.64	17.70	0.00	53.94	0.27	--	--	--	--	--	--	--	--	
07/07/94	71.64	17.80	0.00	53.84	-0.10	ND	--	ND	ND	ND	ND	--	--	
10/05/94	71.64	18.28	0.00	53.36	-0.48	--	--	--	--	--	--	--	--	
01/09/95	71.64	17.38	0.00	54.26	0.90	--	--	--	--	--	--	--	--	
04/17/95	71.64	17.21	0.00	54.43	0.17	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/19/95	71.64	17.82	0.00	53.82	-0.61	ND	--	ND	ND	ND	ND	--	--	
10/26/95	71.64	18.17	0.00	53.47	-0.35	--	--	--	--	--	--	--	--	
01/16/96	71.64	16.45	0.00	55.19	1.72	--	--	--	--	--	--	--	--	
04/15/96	71.64	17.35	0.00	54.29	-0.90	--	--	--	--	--	--	--	--	
07/11/96	71.64	17.81	0.00	53.83	-0.46	ND	--	ND	ND	ND	ND	ND	--	
01/17/97	71.64	16.73	0.00	54.91	1.08	--	--	--	--	--	--	--	--	
07/21/97	71.64	17.91	0.00	53.73	-1.18	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	71.64	16.18	0.00	55.46	1.73	--	--	--	--	--	--	--	--	
07/06/98	71.64	16.49	0.00	55.15	-0.31	ND	--	ND	ND	ND	ND	ND	--	
01/13/99	71.64	17.29	0.00	54.35	-0.80	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
08/31/99	71.54	--	0.00	--	--	--	--	--	--	--	--	--	--	Well obstructed at 10.4 feet.
01/21/00	71.54	17.51	0.00	54.03	--	--	--	--	--	--	--	--	--	
07/10/00	71.54	17.93	0.00	53.61	-0.42	ND	--	ND	ND	ND	ND	ND	--	
01/04/01	71.54	18.10	0.00	53.44	-0.17	--	--	--	--	--	--	--	--	
07/16/01	71.54	17.76	0.00	53.78	0.34	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	71.54	17.20	0.00	54.34	0.56	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.54	17.81	0.00	53.73	-0.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.54	17.30	0.00	54.24	0.51	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.54	17.58	0.00	53.96	-0.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.54	17.07	0.00	54.47	0.51	--	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.54	17.81	0.00	53.73	-0.74	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	--	
03/02/05	71.54	16.25	0.00	55.29	1.56	--	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.54	17.74	0.00	53.80	-1.49	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	
MW-5														
11/30/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/08/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/13/93	71.51	17.49	0.00	54.02	--	ND	--	ND	ND	ND	ND	--	--	
07/14/93	71.51	18.02	0.00	53.49	-0.53	ND	--	ND	0.57	ND	ND	--	--	
10/14/93	71.23	17.82	0.00	53.41	-0.08	ND	--	ND	ND	ND	ND	--	--	
01/12/94	71.23	17.74	0.00	53.49	0.08	ND	--	ND	0.84	ND	1.6	--	--	
04/11/94	71.23	17.56	0.00	53.67	0.18	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/07/94	71.23	17.50	0.00	53.73	0.06	ND	--	ND	ND	ND	ND	--	--	
10/05/94	71.23	17.98	0.00	53.25	-0.48	--	--	--	--	--	--	--	--	
01/09/95	71.23	17.13	0.00	54.10	0.85	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
04/17/95	71.23	17.05	0.00	54.18	0.08	--	--	--	--	--	--	--	--	
07/19/95	71.23	17.59	0.00	53.64	-0.54	ND	--	ND	ND	ND	ND	--	--	
10/26/95	71.23	18.10	0.00	53.13	-0.51	--	--	--	--	--	--	--	--	
01/16/96	71.23	17.11	0.00	54.12	0.99	--	--	--	--	--	--	--	--	
04/15/96	71.23	17.22	0.00	54.01	-0.11	--	--	--	--	--	--	--	--	
07/11/96	71.23	17.59	0.00	53.64	-0.37	ND	--	ND	ND	ND	ND	ND	--	
01/17/97	71.23	16.75	0.00	54.48	0.84	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/21/97	71.23	17.59	0.00	53.64	-0.84	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	71.23	16.16	0.00	55.07	1.43	--	--	--	--	--	--	--	--	
07/06/98	71.23	16.52	0.00	54.71	-0.36	ND	--	ND	ND	ND	ND	ND	--	
01/13/99	71.23	17.62	0.00	53.61	-1.10	--	--	--	--	--	--	--	--	
08/31/99	71.16	17.76	0.00	53.40	-0.21	ND	--	ND	ND	ND	ND	ND	--	
01/21/00	71.16	16.83	0.00	54.33	0.93	--	--	--	--	--	--	--	--	
07/10/00	71.16	17.46	0.00	53.70	-0.63	ND	--	ND	ND	ND	ND	ND	--	
01/04/01	71.16	17.51	0.00	53.65	-0.05	--	--	--	--	--	--	--	--	
07/16/01	71.16	17.32	0.00	53.84	0.19	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	71.16	17.12	0.00	54.04	0.20	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.16	17.12	0.00	54.04	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.16	16.67	0.00	54.49	0.45	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.16	17.39	0.00	53.77	-0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.16	16.23	0.00	54.93	1.16	--	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.16	16.02	0.00	55.14	0.21	ND<50	--	ND<0.3	0.64	ND<0.3	0.79	ND<1	--	
03/02/05	71.16	16.43	0.00	54.73	-0.41	--	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.16	17.41	0.00	53.75	-0.98	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6														
11/30/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
01/08/93	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/13/93	71.79	11.94	0.00	59.85	--	ND	--	ND	ND	ND	ND	--	--	
07/14/93	71.79	17.20	0.00	54.59	-5.26	ND	--	0.99	2.4	ND	1.9	--	--	
10/14/93	71.44	17.21	0.00	54.23	-0.36	ND	--	ND	0.64	ND	ND	--	--	
01/12/94	71.44	17.44	0.00	54.00	-0.23	ND	--	ND	1.2	ND	2.9	--	--	
04/11/94	71.44	13.66	0.00	57.78	3.78	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/07/94	71.44	14.05	0.00	57.39	-0.39	ND	--	ND	ND	ND	ND	--	--	
10/05/94	71.44	14.16	0.00	57.28	-0.11	--	--	--	--	--	--	--	--	
01/09/95	71.44	13.73	0.00	57.71	0.43	--	--	--	--	--	--	--	--	
04/17/95	71.44	11.30	0.00	60.14	2.43	--	--	--	--	--	--	--	--	
07/19/95	71.44	12.32	0.00	59.12	-1.02	ND	--	ND	ND	ND	ND	--	--	
10/26/95	71.44	17.88	0.00	53.56	-5.56	--	--	--	--	--	--	--	--	
01/16/96	71.44	16.38	0.00	55.06	1.50	--	--	--	--	--	--	--	--	
04/15/96	71.44	14.00	0.00	57.44	2.38	--	--	--	--	--	--	--	--	
07/11/96	71.44	13.58	0.00	57.86	0.42	ND	--	ND	ND	ND	ND	ND	--	
01/17/97	71.44	15.42	0.00	56.02	-1.84	--	--	--	--	--	--	--	--	
07/21/97	71.44	13.78	0.00	57.66	1.64	ND	--	ND	ND	ND	ND	ND	--	
01/14/98	71.44	13.65	0.00	57.79	0.13	--	--	--	--	--	--	--	--	
07/06/98	71.44	13.90	0.00	57.54	-0.25	ND	--	ND	ND	ND	ND	ND	--	
01/13/99	71.44	14.93	0.00	56.51	-1.03	--	--	--	--	--	--	--	--	
08/31/99	71.37	15.81	0.00	55.56	-0.95	ND	--	ND	ND	ND	ND	ND	--	
01/21/00	71.37	16.13	0.00	55.24	-0.32	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/00	71.37	16.95	0.00	54.42	-0.82	ND	--	ND	ND	ND	ND	ND	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 1989 Through September 2005

Former 76 Station 3538

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
01/04/01	71.37	17.09	0.00	54.28	-0.14	--	--	--	--	--	--	--	--	
07/16/01	71.37	16.83	0.00	54.54	0.26	ND	--	ND	ND	ND	ND	ND	--	
01/28/02	71.37	14.58	0.00	56.79	2.25	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/12/02	71.37	16.76	0.00	54.61	-2.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
01/14/03	71.37	16.25	0.00	55.12	0.51	--	--	--	--	--	--	--	--	SAMPLED ANNUALLY
07/10/03	71.37	12.97	0.00	58.40	3.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
02/04/04	71.37	16.20	0.00	55.17	-3.23	--	--	--	--	--	--	--	--	Monitored Only
07/29/04	71.37	14.98	0.00	56.39	1.22	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	1.3	--	
03/02/05	71.37	14.51	0.00	56.86	0.47	--	--	--	--	--	--	--	--	Sampled Annually
09/30/05	71.37	14.45	0.00	56.92	0.06	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1.7	--	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 3538

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)	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)	Bromomethane (µg/l)
MW-1															
09/15/89	ND	--	--	--	--	--	--	2.7	--	--	--	--	--	--	--
01/23/90	ND	--	--	--	--	--	--	2.1	--	--	--	--	--	--	--
04/19/90	ND	--	--	--	--	--	--	2.2	--	--	--	--	--	--	--
07/17/90	ND	--	--	--	--	--	--	1.7	--	--	--	--	--	--	--
10/16/90	ND	--	--	--	--	--	--	2.0	--	--	--	--	--	--	--
01/15/91	ND	--	--	--	--	--	--	2.1	--	--	--	--	--	--	--
04/12/91	ND	--	--	--	--	--	--	2.0	--	--	--	--	--	--	--
07/15/91	ND	--	--	--	--	--	--	1.8	--	--	--	--	--	--	--
07/14/92	--	--	--	--	--	--	--	1.4	--	--	--	--	--	--	--
07/14/93	--	--	--	--	--	--	--	0.95	--	--	--	--	--	--	--
07/07/94	--	--	--	--	--	--	--	0.83	--	--	--	--	--	--	--
07/19/95	--	--	--	--	--	--	--	0.52	--	--	--	--	--	--	--
07/11/96	--	--	--	--	--	--	--	0.73	--	--	--	--	0.96	--	--
07/21/97	--	--	--	--	--	--	--	0.70	--	--	--	--	1.0	--	--
08/31/99	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--
07/16/01	--	--	--	--	--	--	--	ND	--	--	--	--	45	--	--
07/12/02	--	--	--	--	--	--	--	ND<0.60	--	--	--	--	--	--	--
07/10/03	--	--	--	--	--	--	--	ND<0.50	--	--	--	--	--	--	--
07/29/04	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1
09/30/05	--	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<1.0
MW-3															
08/25/00	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
07/12/02	--	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 3538

Date Sampled	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)	1,2-Dichloro-benzene (µg/l)
MW-1															
07/16/01	--	--	--	--	--	1.7	--	--	--	--	--	--	--	--	--
07/12/02	--	--	--	--	--	--	--	1.8	--	--	--	--	--	--	--
07/10/03	--	--	--	--	--	--	--	0.89	--	--	--	--	--	--	--
07/29/04	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
09/30/05	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	0.52	ND<0.50	9.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 3 c
ADDITIONAL ANALYTICAL RESULTS
Former 76 Station 3538

Date Sampled	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)
MW-1								
09/15/89	--	--	--	--	--	--	--	ND
01/23/90	--	--	--	--	--	--	--	1.5
04/19/90	--	--	--	--	--	--	--	ND
07/17/90	--	--	--	--	--	--	--	ND
10/16/90	--	--	--	--	--	--	--	ND
01/15/91	--	--	--	--	--	--	--	ND
04/12/91	--	--	--	--	--	--	--	ND
07/15/91	--	--	--	--	--	--	--	ND
07/29/04	ND<0.5	--	--	--	--	--	--	--
09/30/05	ND<0.50	--	--	--	--	--	--	--
MW-3								
08/25/00	--	ND	ND	ND	ND	ND	--	--
07/12/02	--	ND<2.0	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<500	--

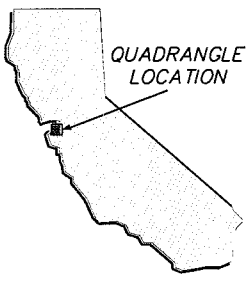
FIGURES

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Oakland East & Oakland West
Quadrangles



VICINITY MAP

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

FIGURE 1

TRC

PS = 1:1

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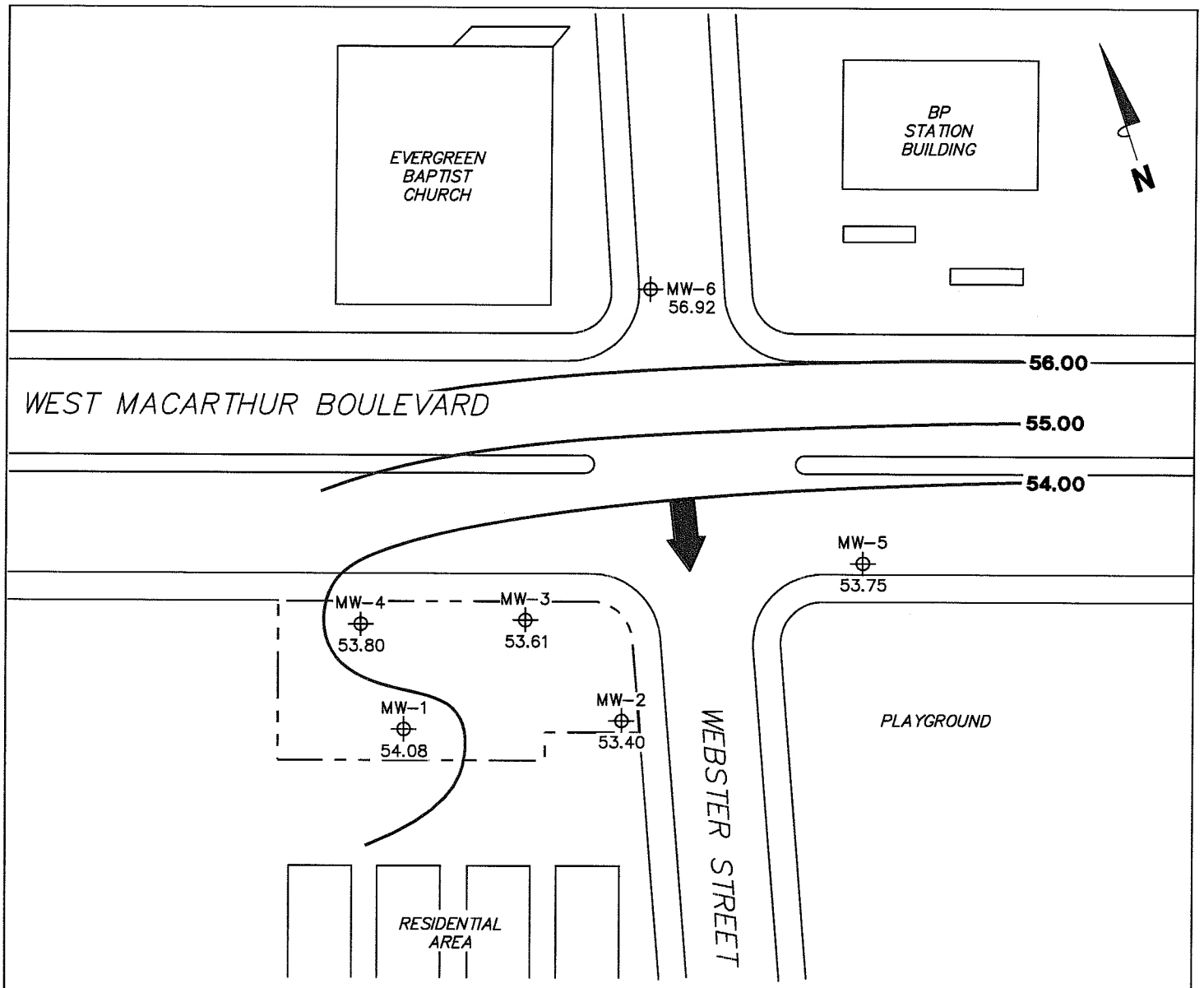

NOTES:

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

LEGEND

MW-6 ⊕ Monitoring Well with Groundwater Elevation (feet)

56.00— Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
September 30, 2005

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

TRC

SCALE (FEET)
0 60

FIGURE 2

PS=1:1 3538-003

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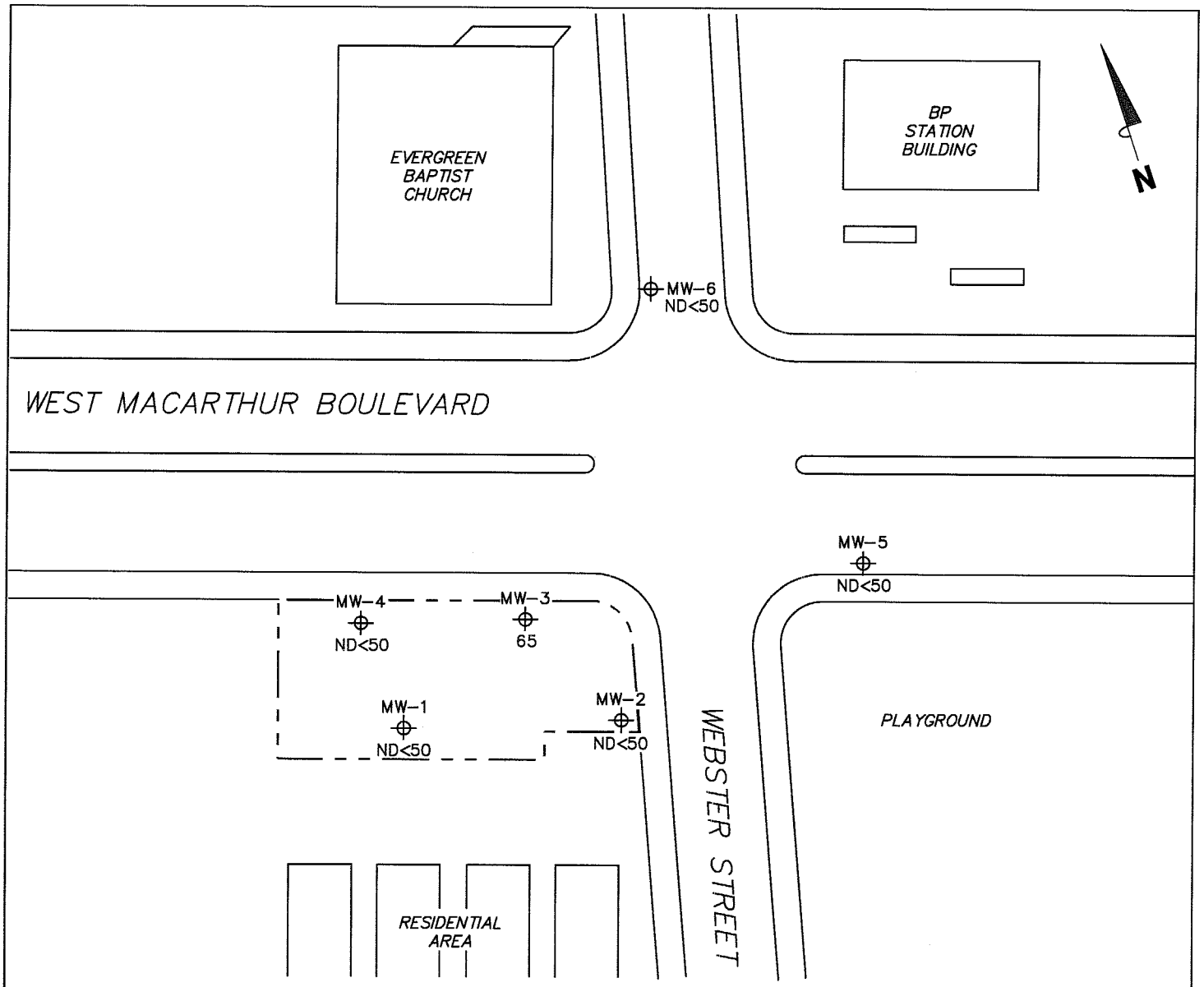


NOTES:

TPH-G = total petroleum hydrocarbons as gasoline. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. ~~UST = underground storage tank~~. Results obtained using EPA Method 8260B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
September 30, 2005

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

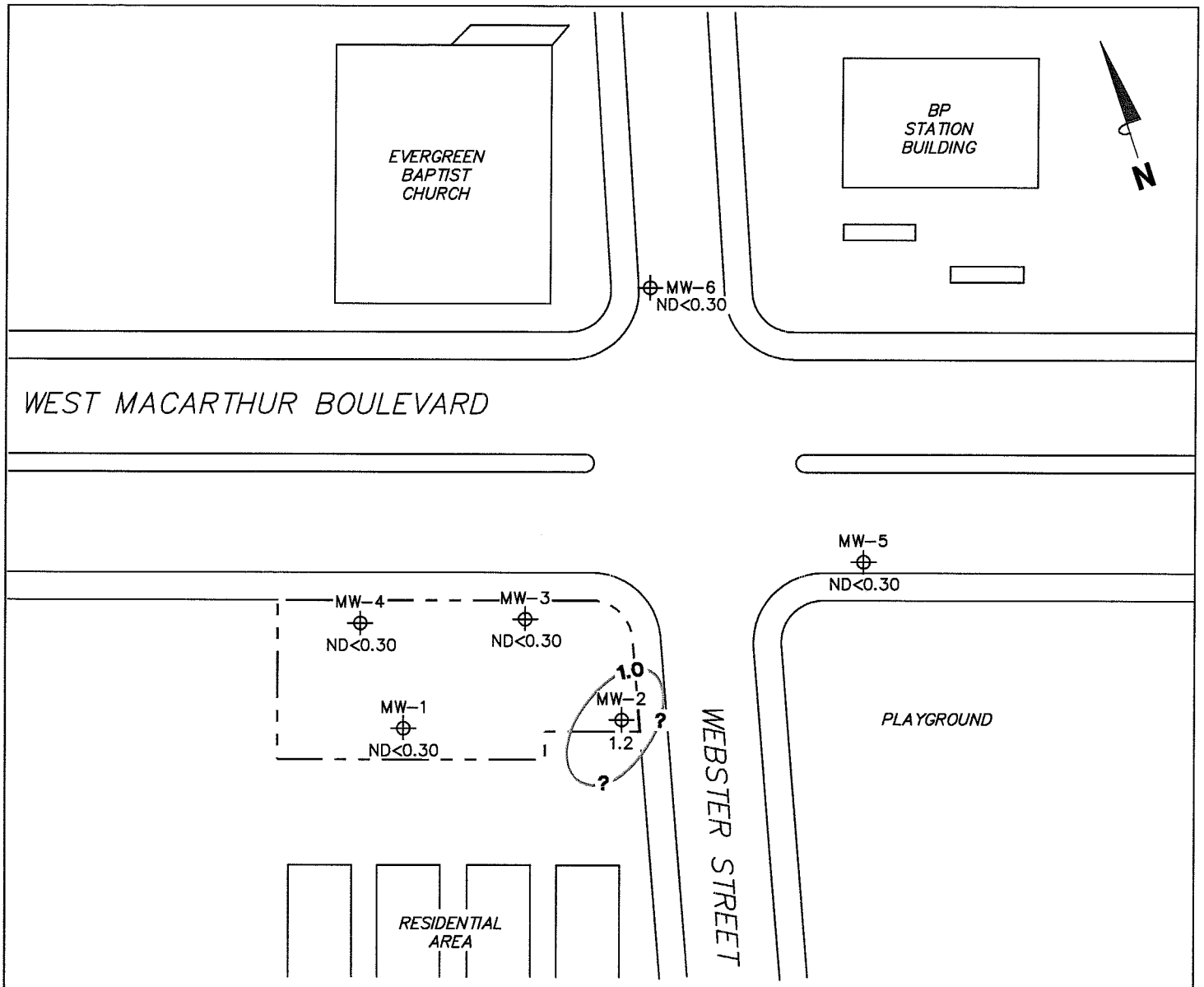
TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 3538-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Oct 18, 2005 - 1:21pm mesten



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

1.0 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 30, 2005

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 3538-003

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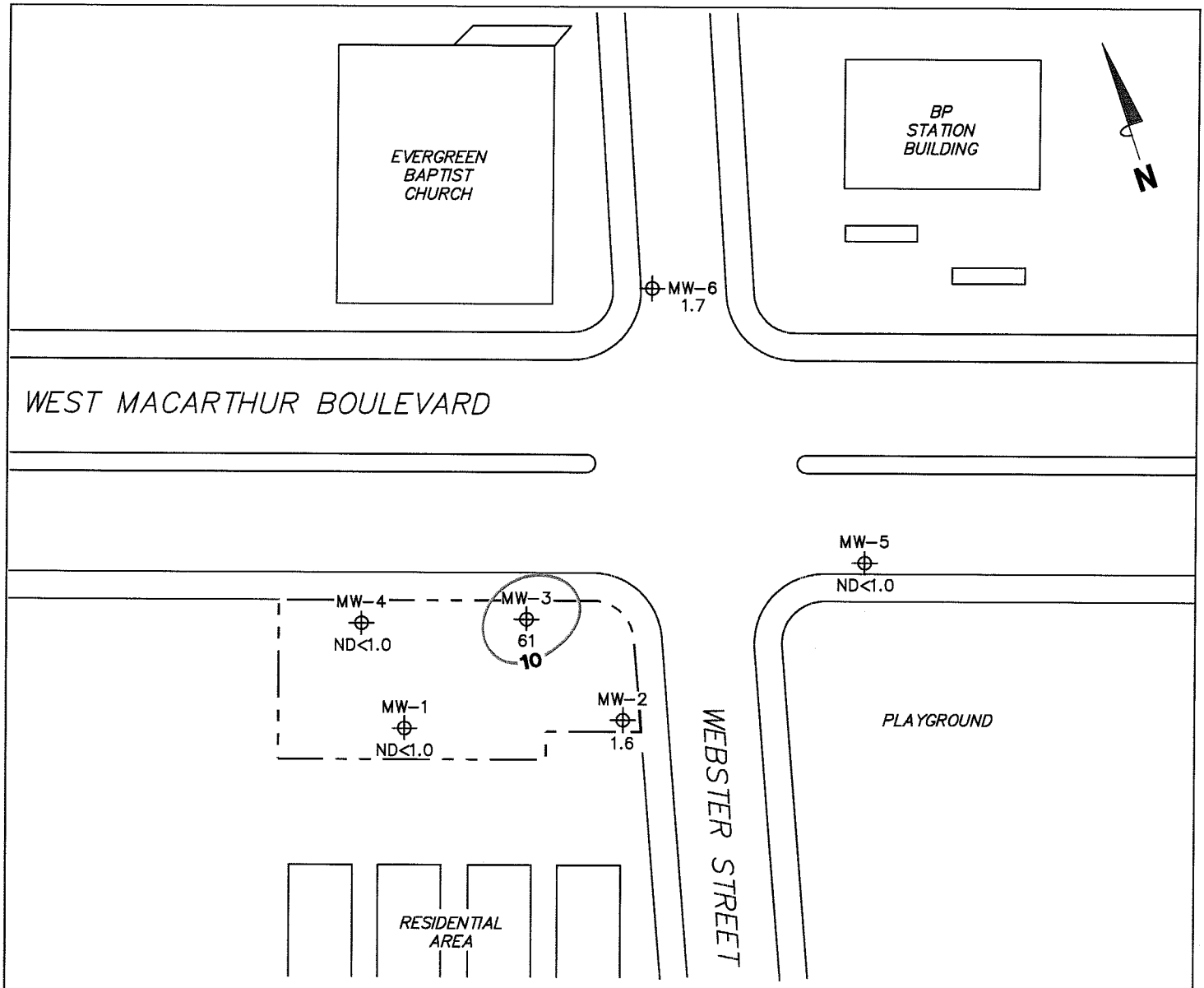


NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Results obtained using EPA Method 8021B.

LEGEND

MW-6 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 30, 2005

Former 76 Station 3538
411 West MacArthur Boulevard
Oakland, California

TRC

SCALE (FEET)
0 60

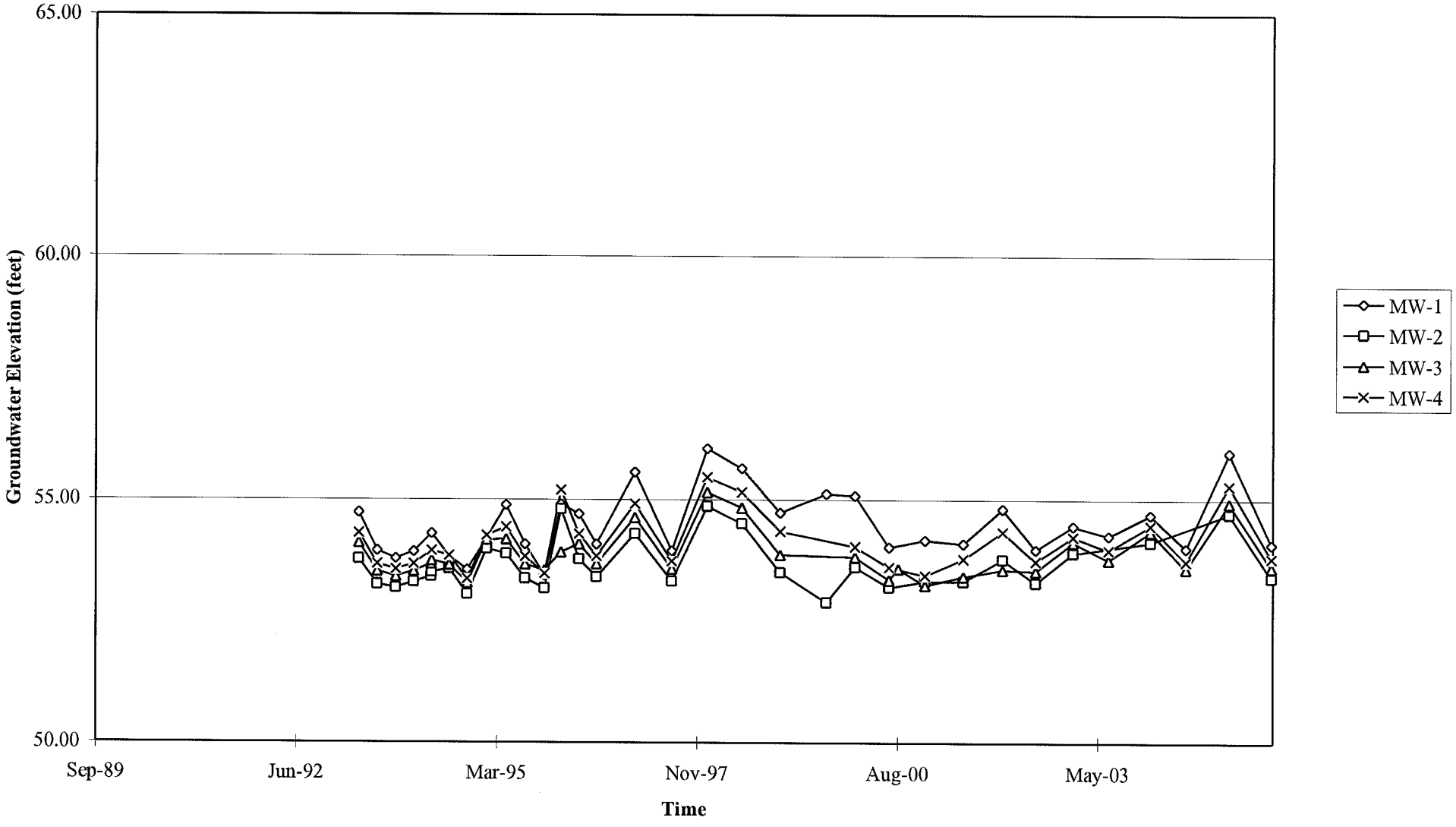
FIGURE 5

PS=1:1 3538-003

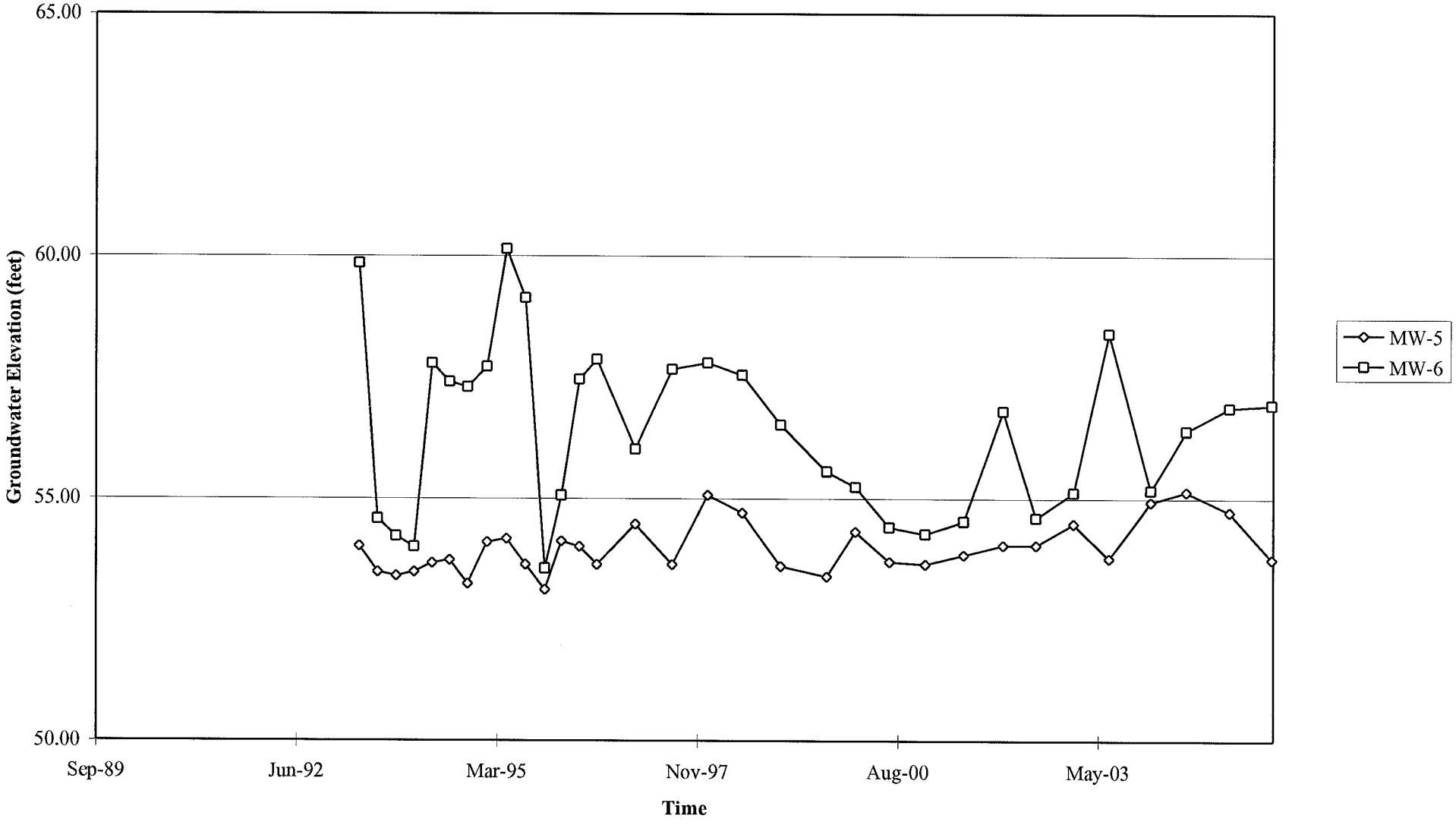
L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-3000\3538+\3538-QMS.dwg Oct 18, 2005 - 1:23pm mesten

GRAPHS

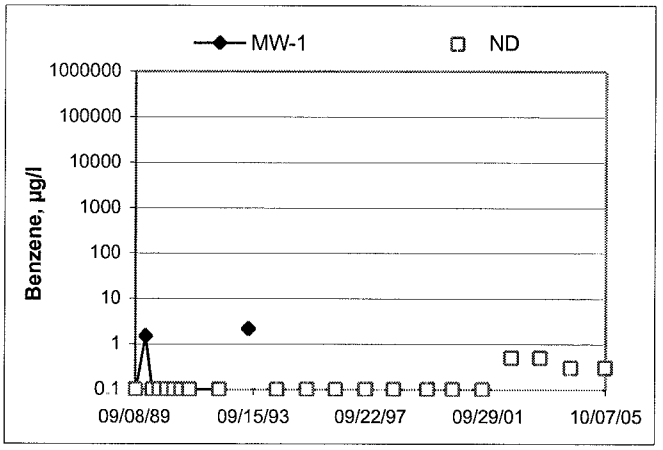
Groundwater Elevations vs. Time
Former 76 Station 3538

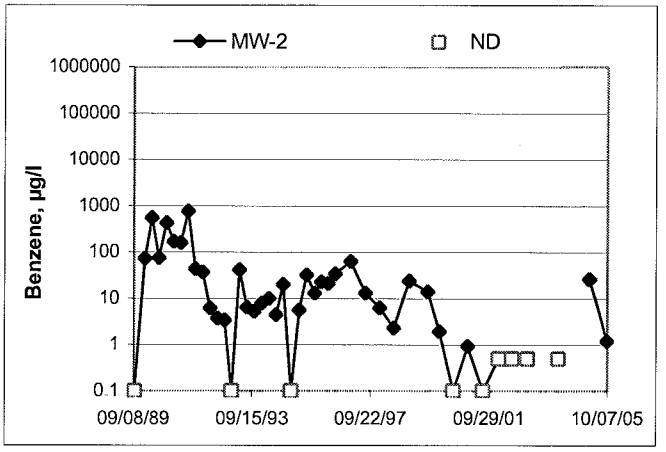


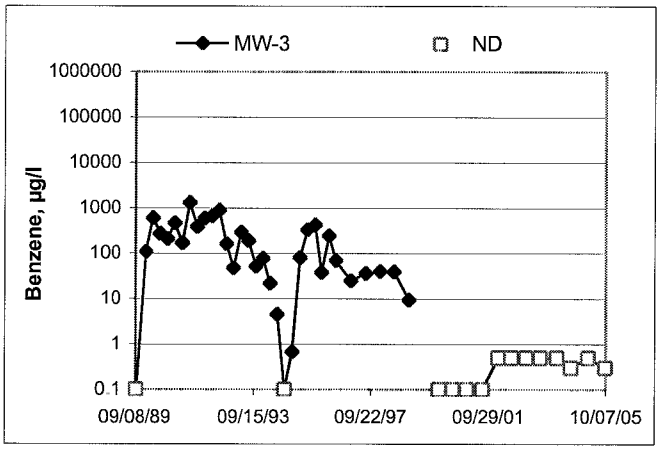
Groundwater Elevations vs. Time
Former 76 Station 3538

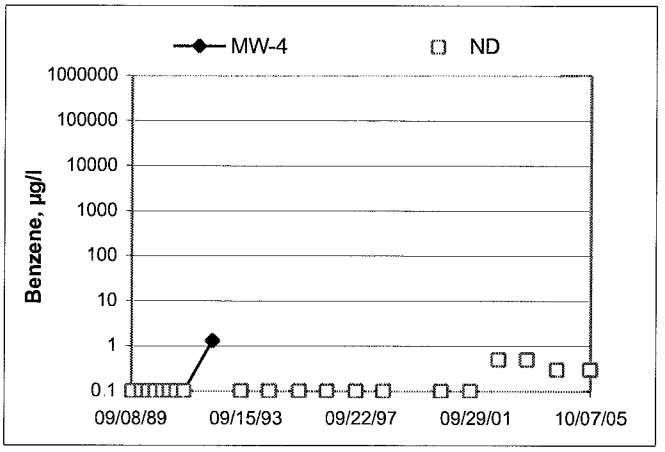


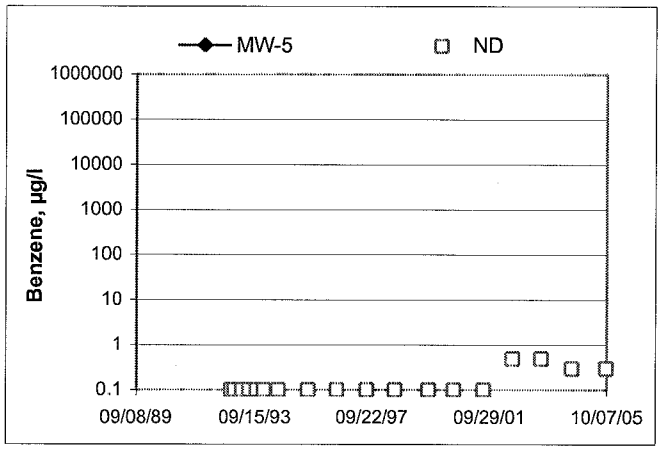
Benzene Concentrations vs Time
Former 76 Station 3538

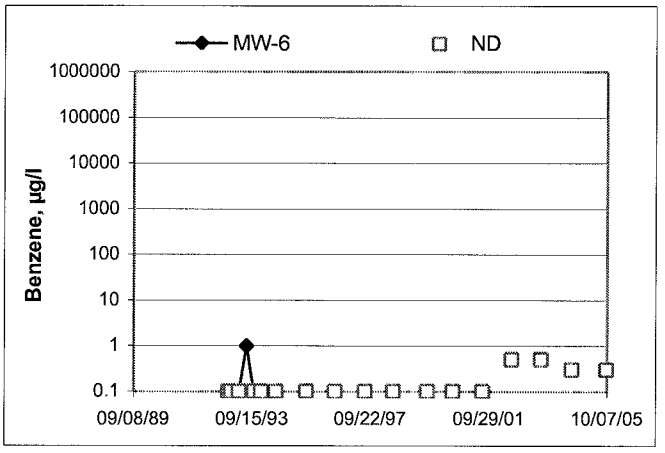












GENERAL FIELD PROCEDURES

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: Rick R Job #/Task #: 411050001/EA20 Date: 09/30/05

Site # 3538 Project Manager ~~D. G~~ ROGER BATEMAN Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-5	0931	✓	30.11	17.41	—	—	1044	2"
MW-6	0939	✓	30.04	14.45	—	—	1104	2"
MW-4	0948	✓	24.61	17.74	—	—	1142	2"
MW-2	0959	✓	24.28	17.94	—	—	1202	2"
MW-3	0953	✓	27.15	17.79	—	—	1222	2"
MW-~~8~~11	1238	✓	23.90	18.04	—	—	1253	2"

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 3538 Project No.: 111050001 Date: 09/30/09

Well No.: MW-5 Purge Method DIA

Depth to Water (feet): 17.41 Depth to Product (feet): 0

Total Depth (feet): 30.11 LPH & Water Recovered (gallons) 0

Water Column (feet): 12.70 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 19.95 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.
1038			2	1124	19.6	6.79		
			4	1185	19.8	6.73		
	1041		6	1157	19.9	6.76		

Static at Time Sampled	Total Gallons Purged	Time Sampled
19.57	6	1044

Comments:

Well No.: MW-6 Purge Method DIA

Depth to Water (feet): 14.45 Depth to Product (feet): 0

Total Depth (feet): 30.04 LPH & Water Recovered (gallons): 0

Water Column (feet): 15.59 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 17.57 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.
1058			2	1122	19.9	6.93		
			4	811	20.0	6.98		
	1101		6	874	20.0	6.98		

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.10	6	1104

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 3538 Project No.: 411050001 Date: 09/30/05

Well No.: MW-4
Depth to Water (feet): 17.74
Total Depth (feet): 24.61
Water Column (feet): 6.87
80% Recharge Depth (feet): 19.11

Purge Method: HB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (inches): 2"
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.
1135			1	796	20.7	6.78		
			2	828	20.4	6.73		
	1140		3	847	20.1	6.74		

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.78	3	1142

Comments:

Well No.: MW-2
Depth to Water (feet): 17.94
Total Depth (feet): 24.28
Water Column (feet): 6.34
80% Recharge Depth (feet): 19.21

Purge Method: HB
Depth to Product (feet): 0
LPH & Water Recovered (gallons): 0
Casing Diameter (inches): 2"
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.
1153			1	973	19.4	6.76		
			2	961	19.3	6.75		
	1159		3	957	19.3	6.77		

Static at Time Sampled	Total Gallons Purged	Time Sampled
18.22	3	1202

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 3538 Project No.: 411050001 Date: 09/30/05

Well No.: MW-3 Purge Method: DIA

Depth to Water (feet): 17.79 Depth to Product (feet): 0

Total Depth (feet): 27.15 LPH & Water Recovered (gallons): 0

Water Column (feet): 9.36 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 19.66 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.
1217			2	849	22.0	6.82		
			4	911	20.5	6.85		
	1220		6	920	19.9	6.86		

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.81	6	1222

Comments:

Well No.: MW-21 Purge Method: HB

Depth to Water (feet): 18.04 Depth to Product (feet): 0

Total Depth (feet): 23.90 LPH & Water Recovered (gallons): 0

Water Column (feet): 5.86 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 19.21 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.
1243			1	772	18.2	6.92		
			2	768	18.3	6.86		
	1249		3	760	18.4	6.80		

Static at Time Sampled	Total Gallons Purged	Time Sampled
18.71	3	1253

Comments:

BC Laboratories, Inc

Date of Report: 10/25/2005

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 3538

BC Lab Number: 0509907

Enclosed are the results of analyses for samples received by the laboratory on 10/03/05 22:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Surratt

Client Service Rep

Authorized Signature

BC Laboratories, Inc

TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 10/25/05 13:40

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0509907-01	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 10:44	Global ID: T0600101472
	Sampling Location:	MW-5	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:
0509907-02	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 11:04	Global ID: T00600101472
	Sampling Location:	MW-6	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:
0509907-03	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 11:42	Global ID: T0600101472
	Sampling Location:	MW-4	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:
0509907-04	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 12:02	Global ID: T0600101472
	Sampling Location:	MW-2	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:
0509907-05	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 12:22	Global ID: T0600101472
	Sampling Location:	MW-3	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:

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TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 10/25/05 13:40

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0509907-06	**COC Number:**	---	**Receive Date:**	10/03/05 22:00	Delivery Work Order (LabW:
	Project Number:	3538	**Sampling Date:**	09/30/05 12:53	Global ID: T0600101472
	Sampling Location:	MW-1	**Sample Depth:**	---	Matrix: WG
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Rick R. of TRCI			Cooler ID:

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

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-01 | **Client Sample Name:** 3538, MW-5, MW-5, 9/30/2005 10:44:00AM, Rick R.

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	0.30		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	0.028	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	101	%	70 - 130 (LCL - UCL)		EPA-8020	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457		
a,a,a-Trifluorotoluene (FID Surrogate)	99.5	%	70 - 130 (LCL - UCL)		Luft	10/10/05	10/11/05 00:00	tlf	GC-V4	1	BOJ0457		

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21 Technology Drive
Irvine CA, 92618-2302

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-02 | **Client Sample Name:** 3538, MW-6, MW-6, 9/30/2005 11:04:00AM, Rick R.

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	0.30		EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	ND	
Methyl t-butyl ether	1.7	ug/L	1.0		EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	0.028	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	100	%	70 - 130	(LCL - UCL)	EPA-8020	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457		
a,a,a-Trifluorotoluene (FID Surrogate)	99.3	%	70 - 130	(LCL - UCL)	Luft	10/10/05	10/11/05 00:26	tlf	GC-V4	1	BOJ0457		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-03 | **Client Sample Name:** 3538, MW-4, MW-4, 9/30/2005 11:42:00AM, Rick R.

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	0.30		EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	0.028	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	98.7	%	70 - 130	(LCL - UCL)	EPA-8020	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457		
a,a,a-Trifluorotoluene (FID Surrogate)	93.7	%	70 - 130	(LCL - UCL)	Luft	10/10/05	10/11/05 04:18	tlf	GC-V4	1	BOJ0457		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-04 | **Client Sample Name:** 3538, MW-2, MW-2, 9/30/2005 12:02:00PM, Rick R.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.2	ug/L	0.30		EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	ND	
Methyl t-butyl ether	1.6	ug/L	1.0		EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	0.028	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	101	%	70 - 130	(LCL - UCL)	EPA-8020	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457		
a,a,a-Trifluorotoluene (FID Surrogate)	98.5	%	70 - 130	(LCL - UCL)	Luft	10/10/05	10/11/05 05:36	tlf	GC-V4	1	BOJ0457		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-05 | **Client Sample Name:** 3538, MW-3, MW-3, 9/30/2005 12:22:00PM, Rick R.

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	0.30		EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	ND	
Methyl t-butyl ether	61	ug/L	1.0		EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	0.028	
Gasoline Range Organics (C4 - C12)	65	ug/L	50		Luft	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457	ND	A53
a,a,a-Trifluorotoluene (PID Surrogate)	100	%	70 - 130	(LCL - UCL)	EPA-8020	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457		
a,a,a-Trifluorotoluene (FID Surrogate)	98.8	%	70 - 130	(LCL - UCL)	Luft	10/10/05	10/11/05 04:44	tlf	GC-V4	1	BOJ0457		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509907-06 | **Client Sample Name:** 3538, MW-1, MW-1, 9/30/2005 12:53:00PM, Rick R.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	V11
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,1-Dichloroethene	0.52	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	

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

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509907-06 | **Client Sample Name:** 3538, MW-1, MW-1, 9/30/2005 12:53:00PM, Rick R.

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.1	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231	ND	
1,2-Dichloroethane-d4 (Surrogate)	113	%	76 - 114	(LCL - UCL)	EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231		
Toluene-d8 (Surrogate)	94.1	%	88 - 110	(LCL - UCL)	EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231		
4-Bromofluorobenzene (Surrogate)	95.2	%	86 - 115	(LCL - UCL)	EPA-8260	10/06/05	10/06/05 15:46	MGC	MS-V5	1	BOJ0231		

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

Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0509907-06 | **Client Sample Name:** 3538, MW-1, MW-1, 9/30/2005 12:53:00PM, Rick R.

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	0.30		EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
Toluene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	99.2	%	70 - 130	(LCL - UCL)	EPA-8020	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458		
a,a,a-Trifluorotoluene (FID Surrogate)	95.1	%	70 - 130	(LCL - UCL)	Luft	10/10/05	10/11/05 05:10	tlf	GC-V4	1	BOJ0458		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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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
Bromodichloromethane	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	27.580	25.000	ug/L		110		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	25.820	25.000	ug/L	6.57	103	20	70 - 130	
Chlorobenzene	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	30.310	25.000	ug/L		121		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	27.800	25.000	ug/L	8.62	111	20	70 - 130	
Chloroethane	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	32.260	25.000	ug/L		129		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	30.590	25.000	ug/L	5.58	122	20	70 - 130	
1,4-Dichlorobenzene	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	31.360	25.000	ug/L		125		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	28.590	25.000	ug/L	9.21	114	20	70 - 130	
1,1-Dichloroethane	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	27.810	25.000	ug/L		111		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	25.810	25.000	ug/L	7.48	103	20	70 - 130	
1,1-Dichloroethene	BOJ0231	BOJ0231-MS1	Matrix Spike	0.52000	27.130	25.000	ug/L		106		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	0.52000	24.920	25.000	ug/L	8.25	97.6	20	70 - 130	
Trichloroethene	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	28.550	25.000	ug/L		114		70 - 130	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	26.950	25.000	ug/L	5.41	108	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	10.550	10.000	ug/L		106		76 - 114	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	10.110	10.000	ug/L		101		76 - 114	
Toluene-d8 (Surrogate)	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	10.140	10.000	ug/L		101		88 - 110	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	9.8200	10.000	ug/L		98.2		88 - 110	
4-Bromofluorobenzene (Surrogate)	BOJ0231	BOJ0231-MS1	Matrix Spike	ND	9.9900	10.000	ug/L		99.9		86 - 115	
		BOJ0231-MSD1	Matrix Spike Duplicate	ND	9.6600	10.000	ug/L		96.6		86 - 115	

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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Purgeable Aromatics and Total Petroleum Hydrocarbons

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	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	37.037	40.000	ug/L		92.6		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	38.863	40.000	ug/L	4.85	97.2	20	70 - 130	
Toluene	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	39.091	40.000	ug/L		97.7		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	41.232	40.000	ug/L	5.28	103	20	70 - 130	
Ethylbenzene	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	39.865	40.000	ug/L		99.7		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	42.348	40.000	ug/L	6.13	106	20	70 - 130	
Methyl t-butyl ether	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	38.934	40.000	ug/L		97.3		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	38.305	40.000	ug/L	1.55	95.8	20	70 - 130	
Total Xylenes	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	118.84	120.00	ug/L		99.0		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	124.79	120.00	ug/L	4.93	104	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	992.26	1000.0	ug/L		99.2		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	1066.3	1000.0	ug/L	7.57	107	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	43.709	40.000	ug/L		109		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	44.040	40.000	ug/L		110		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0457	BOJ0457-MS1	Matrix Spike	ND	41.628	40.000	ug/L		104		70 - 130	
		BOJ0457-MSD1	Matrix Spike Duplicate	ND	41.109	40.000	ug/L		103		70 - 130	
Benzene	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	36.566	40.000	ug/L		91.4		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	38.877	40.000	ug/L	6.15	97.2	20	70 - 130	
Toluene	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	38.806	40.000	ug/L		97.0		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	41.399	40.000	ug/L	6.00	103	20	70 - 130	
Ethylbenzene	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	39.992	40.000	ug/L		100		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	42.697	40.000	ug/L	6.76	107	20	70 - 130	
Methyl t-butyl ether	BOJ0458	BOJ0458-MS1	Matrix Spike	1.0016	37.174	40.000	ug/L		90.4		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	1.0016	38.274	40.000	ug/L	3.05	93.2	20	70 - 130	
Total Xylenes	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	118.62	120.00	ug/L		98.8		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	125.94	120.00	ug/L	6.08	105	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	1036.6	1000.0	ug/L		104		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	1071.2	1000.0	ug/L	2.84	107	20	70 - 130	

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Control Limits Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	42.049	40.000	ug/L		105		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	43.731	40.000	ug/L		109		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0458	BOJ0458-MS1	Matrix Spike	ND	39.147	40.000	ug/L		97.9		70 - 130	
		BOJ0458-MSD1	Matrix Spike Duplicate	ND	40.169	40.000	ug/L		100		70 - 130	

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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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
Bromodichloromethane	BOJ0231	BOJ0231-BS1	LCS	22.520	25.000	0.50	ug/L	90.1		70 - 130		
Chlorobenzene	BOJ0231	BOJ0231-BS1	LCS	25.410	25.000	0.50	ug/L	102		70 - 130		
Chloroethane	BOJ0231	BOJ0231-BS1	LCS	27.780	25.000	0.50	ug/L	111		70 - 130		
1,4-Dichlorobenzene	BOJ0231	BOJ0231-BS1	LCS	26.280	25.000	0.50	ug/L	105		70 - 130		
1,1-Dichloroethane	BOJ0231	BOJ0231-BS1	LCS	23.870	25.000	0.50	ug/L	95.5		70 - 130		
1,1-Dichloroethene	BOJ0231	BOJ0231-BS1	LCS	23.820	25.000	0.50	ug/L	95.3		70 - 130		
Trichloroethene	BOJ0231	BOJ0231-BS1	LCS	25.790	25.000	0.50	ug/L	103		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BOJ0231	BOJ0231-BS1	LCS	10.200	10.000		ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BOJ0231	BOJ0231-BS1	LCS	10.080	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BOJ0231	BOJ0231-BS1	LCS	9.7000	10.000		ug/L	97.0		86 - 115		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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Purgeable Aromatics and Total Petroleum Hydrocarbons

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	BOJ0457	BOJ0457-BS1	LCS	40.083	40.000	0.30	ug/L	100		85 - 115		
Toluene	BOJ0457	BOJ0457-BS1	LCS	42.398	40.000	0.30	ug/L	106		85 - 115		
Ethylbenzene	BOJ0457	BOJ0457-BS1	LCS	43.377	40.000	0.30	ug/L	108		85 - 115		
Methyl t-butyl ether	BOJ0457	BOJ0457-BS1	LCS	39.930	40.000	1.0	ug/L	99.8		85 - 115		
Total Xylenes	BOJ0457	BOJ0457-BS1	LCS	127.84	120.00	0.60	ug/L	107		85 - 115		
Gasoline Range Organics (C4 - C12)	BOJ0457	BOJ0457-BS1	LCS	1105.8	1000.0	50	ug/L	111		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0457	BOJ0457-BS1	LCS	44.121	40.000		ug/L	110		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0457	BOJ0457-BS1	LCS	39.290	40.000		ug/L	98.2		70 - 130		
Benzene	BOJ0458	BOJ0458-BS1	LCS	38.773	40.000	0.30	ug/L	96.9		85 - 115		
Toluene	BOJ0458	BOJ0458-BS1	LCS	41.071	40.000	0.30	ug/L	103		85 - 115		
Ethylbenzene	BOJ0458	BOJ0458-BS1	LCS	42.361	40.000	0.30	ug/L	106		85 - 115		
Methyl t-butyl ether	BOJ0458	BOJ0458-BS1	LCS	38.542	40.000	1.0	ug/L	96.4		85 - 115		
Total Xylenes	BOJ0458	BOJ0458-BS1	LCS	125.22	120.00	0.60	ug/L	104		85 - 115		
Gasoline Range Organics (C4 - C12)	BOJ0458	BOJ0458-BS1	LCS	939.09	1000.0	50	ug/L	93.9		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0458	BOJ0458-BS1	LCS	43.330	40.000		ug/L	108		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0458	BOJ0458-BS1	LCS	38.800	40.000	50	ug/L	97.0		70 - 130		

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Bromodichloromethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.12	
Bromoform	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.33	
Bromomethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	1.0	0.21	
Carbon tetrachloride	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.15	
Chlorobenzene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.12	
Chloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.17	
Chloroform	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.11	
Chloromethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.17	
Dibromochloromethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.14	
1,2-Dichlorobenzene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.077	
1,3-Dichlorobenzene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.14	
1,4-Dichlorobenzene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.14	
Dichlorodifluoromethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.20	
1,1-Dichloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.13	
1,2-Dichloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.25	
1,1-Dichloroethene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.14	
cis-1,2-Dichloroethene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.19	
trans-1,2-Dichloroethene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.19	
1,2-Dichloropropane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.16	
cis-1,3-Dichloropropene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.13	
trans-1,3-Dichloropropene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BOJ0231	BOJ0231-BLK1	ND	ug/L	1.0	0.44	
Methyl t-butyl ether	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.15	
1,1,2,2-Tetrachloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.23	
Tetrachloroethene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.15	

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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,1,1-Trichloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.16	
1,1,2-Trichloroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.15	
Trichloroethene	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.18	
Trichlorofluoromethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.20	
1,1,2-Trichloro-1,2,2-trifluoroethane	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.18	
Vinyl chloride	BOJ0231	BOJ0231-BLK1	ND	ug/L	0.50	0.16	
1,2-Dichloroethane-d4 (Surrogate)	BOJ0231	BOJ0231-BLK1	113	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOJ0231	BOJ0231-BLK1	102	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOJ0231	BOJ0231-BLK1	97.0	%	86 - 115 (LCL - UCL)		

TRC Alton Geoscience
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Project: 3538
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/25/05 13:40

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOJ0457	BOJ0457-BLK1	ND	ug/L	0.30	0.13	
Toluene	BOJ0457	BOJ0457-BLK1	ND	ug/L	0.30	0.15	
Ethylbenzene	BOJ0457	BOJ0457-BLK1	ND	ug/L	0.30	0.13	
Methyl t-butyl ether	BOJ0457	BOJ0457-BLK1	ND	ug/L	1.0	0.37	
Total Xylenes	BOJ0457	BOJ0457-BLK1	ND	ug/L	0.60	0.51	
Gasoline Range Organics (C4 - C12)	BOJ0457	BOJ0457-BLK1	ND	ug/L	50	14	
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0457	BOJ0457-BLK1	101	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0457	BOJ0457-BLK1	101	%	70 - 130 (LCL - UCL)		
Benzene	BOJ0458	BOJ0458-BLK1	ND	ug/L	0.30	0.13	
Toluene	BOJ0458	BOJ0458-BLK1	ND	ug/L	0.30	0.15	
Ethylbenzene	BOJ0458	BOJ0458-BLK1	ND	ug/L	0.30	0.13	
Methyl t-butyl ether	BOJ0458	BOJ0458-BLK1	ND	ug/L	1.0	0.37	
Total Xylenes	BOJ0458	BOJ0458-BLK1	ND	ug/L	0.60	0.51	
Gasoline Range Organics (C4 - C12)	BOJ0458	BOJ0458-BLK1	ND	ug/L	50	14	
a,a,a-Trifluorotoluene (PID Surrogate)	BOJ0458	BOJ0458-BLK1	99.6	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BOJ0458	BOJ0458-BLK1	100	%	70 - 130 (LCL - UCL)		

TRC Alton Geoscience	Project: 3538	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 10/25/05 13:40

Notes and Definitions

V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.
J	Estimated value
A53	Chromatogram not typical of gasoline.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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

Submission #: 05-9907 | 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 Emissivity 1
Temperature: 2.1 °C Container QtA
Thermometer ID: 48

Date/Time 10/4 2300
Analyst Init ARM

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-6	A-6	A-6	A-6	A-6	A-9				
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: OJO Date/Time: 10/5/05 2000

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

36578

Page 1 of 1

Report To:
Client: TRC
Attn: Anja FARFAN
Street Address: 21 TECHNOLOGY DR.
City, State, Zip: IRVINE, CA. 92618
Phone: (949) 341-7440 Fax: (949) 753-0111
Email Address: AFARFAN@TRCSOLUTIONS.COM
Submittal #: 05-9907

Project #: 41050001/FA20
LAB W.ORDER#
~~Project Name:~~ 1178 TRCSOL
Project Code: 3538
Sampler(s): Rick R.
GLOBAL ID# T0600101472

Analysis Requested

Comments:

Sample #	Description	Date Sampled	Time Sampled	TPH-G by 8015M	BTEX/MTBE by 8021	HVOC's (8010) by 8021	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
-1	MW-5	09/30/05	1044	X	X					X			*	
-2	MW-6		1104											
-3	MW-4		1142											
-4	MW-2		1202											
-5	MW-3		1222											
-6	MW-1		1253			X								

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

* Standard Turnaround = 15 work days

CHK BY: [illegible]

DISTRIBUTION: MW SKW
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.	[signature]	09/30/05	1400	REFRIGERATOR	09/30/05	1400
2.	[signature]	10/2/05	1435	[signature]	10/3/05	1435
3.	[signature]	10/3/05	1755	[signature]	10-3-05	1755

REC [signature]

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