ConocoPhillips
76 Broadway
Sacramento, California 95818

November 24, 2008

Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: ***Quarterly Summary Report (QSR)—Third Quarter 2008***
76 Service Station # 6129 RO # 058
3420 35th Ave
Oakland, CA

Dear Ms. Jakub:

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 call me at (916) 558-7666.

Sincerely,

Terry L. Grayson
Site Manager
Risk Management & Remediation

November 24, 2008

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Quarterly Summary Report – Third Quarter 2008
Fuel Leak Case No. RO0000058

Dear Ms. Jakub:

DELTA

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the Quarterly Summary Report – Third Quarter 2008 and forwarding a copy of TRC Solutions, Inc. (TRC's) *Quarterly Monitoring Report, July through September 2008,* dated October 9, 2008, for the following location:

Service Station	**Location**
76 Service Station No. 6129	3420 35th Avenue Oakland, California

Sincerely,
DELTA CONSULTANTS

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

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

a member of: Inogen Environmental Alliance

11050 White Rock Road Suite 110 Rancho Cordova, California 95670 USA
Phone +1 916.638.2085 / USA Toll Free 800.477.7411
Fax +1 916.638.8385 www.deltaenv.com

QUARTERLY SUMMARY REPORT
Third Quarter 2008
76 Service Station No. 6129
3420 35th Avenue
Oakland, California

SITE DESCRIPTION

The site is currently an operating 76 Service Station that dispenses gasoline stored in two 12,000-gallon underground storage tanks (USTs) from two dispenser islands. An automotive repair facility is present at the site which contains three service bays. Additionally, there is one used-oil UST, three hydraulic lifts, and three groundwater monitoring wells (MW-1 through MW-3) present at the site. There was previously one used-oil UST, one clarifier beneath the central hydraulic lift, and two floor drains, all of which have been removed.

PREVIOUS ASSESSMENT

According to Kaprealian Engineering, Inc. (KEI), in 1989 two 10,000-gallon gasoline USTs and one 550-gallon waste oil UST were removed from the site. Analytical data from soil samples collected beneath the former gasoline USTs, used-oil UST, and product piping indicated low concentrations of petroleum hydrocarbons were present in each of the sampling areas. Three groundwater monitoring wells (MW-1 through MW-3) were installed in 1989 to depths of approximately 44 feet below ground surface (bgs).

In 1990, four soil borings (EB1 through EB4) were advanced at the site in the vicinity of MW-3 in an attempt to define the petroleum hydrocarbon impact to soil. Based on the analytical data from the soil sampling, approximately 230 cubic yards of soil were excavated from an area between the dispenser islands and around monitoring well MW-3 in 1991. The excavation was completed as to not destroy monitoring well MW-3. Analytical data from confirmation soil samples indicated the majority of the impacted soil had been removed.

On November 12 and 13, 2003, as part of a due diligence investigation, four soil borings (SB-1 and SB-3 through SB-5) were advanced to total depths of approximately 31.5 to 36.5 feet bgs. Proposed boring SB-2 was unable to be advanced due to the presence of subsurface utilities and/or structures. Groundwater was encountered in the borings at a depth of approximately 35 feet bgs. Methyl tertiary butyl ether (MTBE) was reported at concentrations ranging from 0.37 to 0.41 milligrams per kilogram (mg/kg) in the soil samples collected at depths ranging from 26 and 31 feet bgs. All other constituents were below the laboratory's indicated reporting limits for the soil samples analyzed. The three existing groundwater monitoring wells were sampled on November 13, 2003. Analytical data indicated MTBE was present at concentrations ranging from 240 and 3,700 micrograms per liter (µg/L), with the most elevated concentrations found in monitoring wells MW-2 (2,100 µg/L) and MW-3 (3,700 µg/L).

On September 13, 2006, Delta observed the advancement of six boreholes by a licensed contractor using CPT technology. The CPT borings provided accurate continuous records of the subsurface lithology and stratigraphy and measured depth to

first groundwater. Groundwater and soil samples were not collected from the CPT borings.

On November 7 and 8, 2006, Delta observed the advancement of five soil borings (B-2, B-7, B-8, B-9, and B-14) by a licensed contractor using hollow stem auger technology. Four of these soil borings were advanced adjacent to the previously advanced CPT borings. On December 27, 2006, four soil borings (B-10, B-12, B-15, and B-16) were advanced using hollow stem auger technology. Soil samples were collected every five feet for lithologic descriptions, field hydrocarbon screening, and laboratory analysis. A description of this work is presented in the *Soil Boring Site Assessment Report* dated February 19, 2007.

SENSITIVE RECEPTORS

2004 - A 1,000-foot radius well search was completed by the request of the Alameda County Public Works Agency (ACPWA). The search indicated that a six-inch diameter irrigation well was located at 3397 Arkansas Street, approximately 800 feet west-northwest of the site. The well was installed in August 1977 to a total depth of 62 feet bgs with depth to water reported at 18 feet bgs. Alameda County Health Care Services update of July 30, 1984 reported the well owner as Arthur Smith.

2006 – A survey entailing a visit to the State of California Department of Water Resources (DWR) office in Sacramento was conducted to examine well log records and to identify domestic wells within the survey area. The DWR survey indicated three potential receptors were located within one mile of the site; two irrigation wells located 0.5 mile and 0.8 mile north (up-gradient) of the site and one domestic/irrigation well located 0.8 mile northeast (up-gradient) of the site. Two additional potential receptors were identified although the specific addresses could not be located. Based on groundwater gradient information and distance to the receptors from the site, identified receptors do not appear to be at risk due to gasoline constituents in groundwater at the site.

MONITORING AND SAMPLING

Groundwater monitoring and sampling activities were conducted at the site from January 1990 through May 1991. Sampling activities were re-initiated during the third quarter 2004. The monitoring well network is currently sampled on a quarterly basis. Samples collected from the monitoring wells are analyzed for total purgeable petroleum hydrocarbons (TPPH), benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and MTBE, di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), and ethanol by Environmental Protection Agency (EPA) Method 8260. TRC has been retained to perform the monitoring and sampling. A copy of TRC's *Quarterly Monitoring Report-July through September 2008*, dated October 9, 2008, and has been forwarded with this report.

During the most recent groundwater monitoring event, conducted on September 11, 2008, the depth to groundwater ranged from 29.89 feet (MW-3) to 31.04 feet (MW-1) below top of casing (TOC). The groundwater flow direction was interpreted to be to the southwest with a gradient of 0.013 foot per foot (ft/ft). This is consistent with the

previous quarterly sampling event when the groundwater flow direction was interpreted to be to the southwest with a gradient of 0.014 ft/ft. Historic groundwater flow directions presented as a rose diagram included as Attachment A.

Contaminants of Concern:

- **TPPH:** TPPH was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-2 and MW-3 at concentrations of 220 µg/L and 630 µg/L, respectively during the current sampling event. However, the laboratory notes indicate that the TPPH in monitoring well MW-3 does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.

- **Benzene:** Benzene was below the laboratory's indicated reporting limit in each of the groundwater samples collected and submitted for analysis from the monitoring wells purged and sampled during the current sampling event.

- **MTBE:** MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-1, MW-2, and MW-3 at concentrations of 1.3 µg/L, 29 µg/L, and 1,200 µg/L, respectively during the current sampling event.

With the exception of the constituents listed above, all other constituents tested were below the laboratory's indicated reporting limits the groundwater samples collected and submitted for analysis from the three monitoring wells during the third quarter 2008 sampling event.

REMEDIATION STATUS

Remediation has not been required by the lead regulatory agency for this site.

CHARACTERIZATION STATUS

Recent site assessment data has been submitted to the agency for review. Groundwater monitoring is ongoing.

RECENT CORRESPONDENCE

On September 10, 2008 Delta, on behalf of COP, submitted a work plan proposing additional site assessment to the Alameda County Health Care Service Agency (ACHCSA) for their consideration.

WASTE DISPOSAL SUMMARY

In 1991, based on the analytical results of soil samples from borings EB1 through EB4, approximately 230 cubic yards of soil were excavated from the area between the dispensers and the pump islands in the area around MW-3.

Thirty three (33) drums of non-hazardous soil and water produced during recent field activities were transported off-site for disposal on 10/19/06 and 12/29/06.

THIS QUARTER ACTIVITIES (Third Quarter 2008)

1. TRC conducted the quarterly monitoring and sampling event at the site.

2. On September 10, 2008 Delta, on behalf of COP, submitted a work plan proposing additional site assessment to the ACHCSA for their consideration.

NEXT QUARTER ACTIVITIES (Fourth Quarter 2008)

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

2. If a response is received from the ACHCSA to the work plan submitted on September 10, 2008, Delta will proceed with the proposed work as requested.

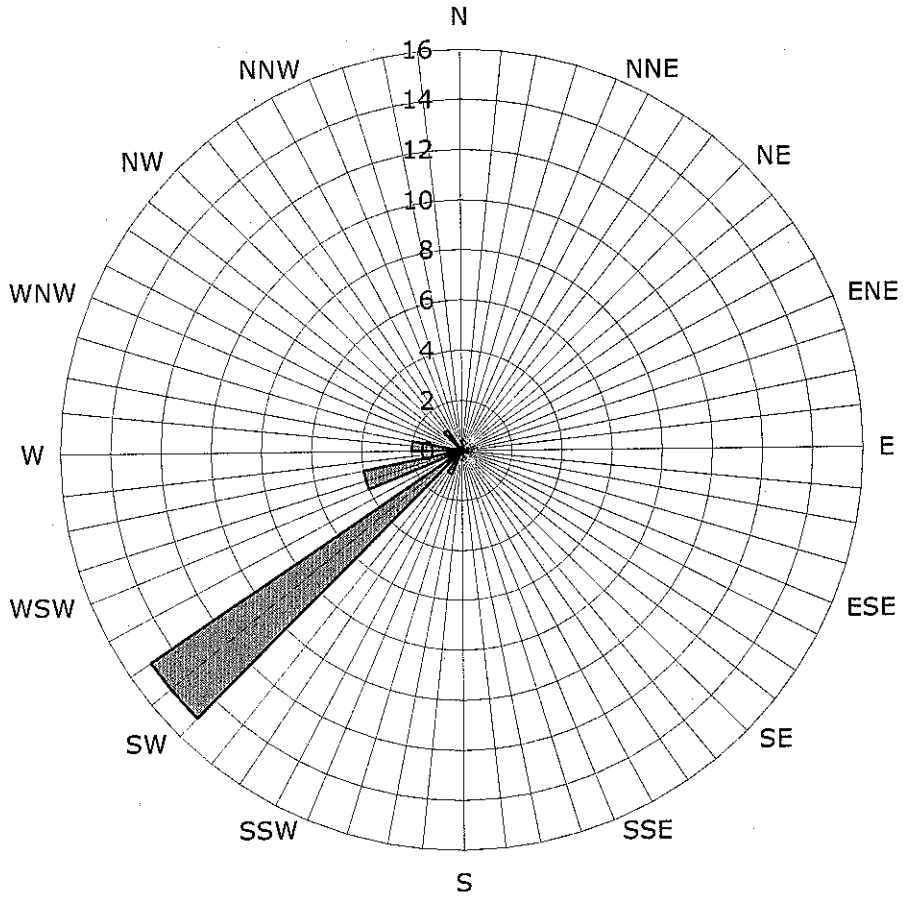
CONSULTANT: Delta Consultants

Attachment A – Historic Groundwater Flow Directions

Attachment A

Historic Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 6129
3420 35th Avenue
Oakland, California



Legend
Concentric circles represent quarterly montoring events
First Quarter 1990 through
Third Quarter 2008
23 data points shown

Groundwater Flow Direction

TRC

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: October 9, 2008

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 94563

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 6129
3420 35TH AVENUE
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2008

Dear Mr. Grayson:

Please find enclosed our Quarterly Monitoring Report for 76 Station 6129, located at 3420 35th Avenue, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

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

Enclosures:
20-0400/6129R20.QMS

QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2008

76 STATION 6129
3420 35th Avenue
Oakland, California

Prepared For:

Mr. Terry Grayson
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, CA 94563

By:

Senior Project Geologist, Irvine Operations

Date: 10/6/08

TRC

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 09/11/08 Groundwater Sampling Field Notes – 09/11/08
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
July 2008 through September 2008
76 Station 6129
3420 35th Ave.
Oakland, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **09/11/08**

Sample Points

Groundwater wells: **3** onsite, **0** offsite Points gauged: **3** Points sampled: **3**
Purging method: **Bailer/submersible pump**
Purge water disposal: **Veolia/Rodeo Unit 100**
Other Sample Points: **0** Type: --

Liquid Phase Hydrocarbons (LPH)

Sample Points with LPH: **0** Maximum thickness (feet): --
LPH removal frequency: -- Method: --
Treatment or disposal of water/LPH: --

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **29.89 feet** Maximum: **31.04 feet**
Average groundwater elevation (relative to available local datum): **70.95 feet**
Average change in groundwater elevation since previous event: **-0.86 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.013 ft/ft, southwest**
Previous event: **0.014 ft/ft, southwest (06/20/08)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **0** Sample Points above MCL (1.0 µg/l): --
Maximum reported benzene concentration: --

Sample Points with **TPH-G by GC/MS** **2** Maximum: **630 µg/l (MW-3)**
Sample Points with **MTBE 8260B** **3** Maximum: **1,200 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 ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
ug/l	=	micrograms per liter (approx. e3quivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling 76 Station 6129 in August 2004.

Contents of Tables 1 and 2
Site: 76 Station 6129

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 1a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME					

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME					

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

September 11, 2008

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
09/11/08	102.24	31.04	0.00	71.20	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
MW-2														
09/11/08	102.16	30.62	0.00	71.54	-0.84	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	29	
MW-3														
09/11/08	100.00	29.89	0.00	70.11	-0.79	--	630	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1200	

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Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1							
09/11/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
09/11/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3							
09/11/08	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0

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Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through September 2008

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
01/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/11/90	--	--	--	--	--	ND	--	ND	7.1	ND	ND	--	--	
08/09/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/91	--	--	--	--	--	ND	--	0.32	ND	ND	ND	--	--	
05/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/03	--	--	--	--	--	--	180	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	240	
08/27/04	102.24	30.65	0.00	71.59	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/23/04	102.24	29.35	0.00	72.89	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/09/05	102.24	26.89	0.00	75.35	2.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.3	
05/17/05	102.24	26.56	0.00	75.68	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
07/27/05	102.24	27.33	0.00	74.91	-0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/06/05	102.24	29.59	0.00	72.65	-2.26	--	ND<50	ND<0.50	0.93	ND<0.50	1.8	--	ND<0.50	
02/21/06	102.24	28.27	0.00	73.97	1.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
06/08/06	102.24	26.07	0.00	76.17	2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
09/15/06	102.24	28.86	0.00	73.38	-2.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	
12/14/06	102.24	29.49	0.00	72.75	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.5	
03/28/07	102.24	27.24	0.00	75.00	2.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.64	
06/25/07	102.24	28.30	0.00	73.94	-1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/22/07	102.24	30.61	0.00	71.63	-2.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.1	
12/14/07	102.24	30.30	0.00	71.94	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
03/17/08	102.24	27.22	0.00	75.02	3.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through September 2008

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
06/20/08	102.24	30.10	0.00	72.14	-2.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
09/11/08	102.24	31.04	0.00	71.20	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
MW-2														
01/05/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/11/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/09/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/91	--	--	--	--	--	ND	--	ND	0.42	ND	0.51	--	--	
05/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/03	--	--	--	--	--	--	ND<2000	ND<20	ND<20	ND<20	ND<40	--	2100	
08/27/04	102.16	30.28	0.00	71.88	--	--	950	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1400	
11/23/04	102.16	28.75	0.00	73.41	1.53	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.2	
02/09/05	102.16	26.08	0.00	76.08	2.67	--	ND<500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400	
05/17/05	102.16	24.53	0.00	77.63	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	330	
07/27/05	102.16	27.51	0.00	74.65	-2.98	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	580	
12/06/05	102.16	29.13	0.00	73.03	-1.62	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	780	
02/21/06	102.16	29.23	0.00	72.93	-0.10	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	340	
06/08/06	102.16	25.76	0.00	76.40	3.47	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	440	
09/15/06	102.16	29.17	0.00	72.99	-3.41	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	570	
12/14/06	102.16	29.11	0.00	73.05	0.06	--	520	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	770	
03/28/07	102.16	26.68	0.00	75.48	2.43	--	290	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	460	
06/25/07	102.16	25.91	0.00	76.25	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
09/22/07	102.16	30.18	0.00	71.98	-4.27	--	400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	530	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through September 2008

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
12/14/07	102.16	29.96	0.00	72.20	0.22	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	930	
03/17/08	102.16	26.74	0.00	75.42	3.22	--	570	ND<5.0	ND<5.0	ND<5.0	ND<10	--	630	
06/20/08	102.16	29.78	0.00	72.38	-3.04	--	580	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1200	
09/11/08	102.16	30.62	0.00	71.54	-0.84	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	29	
MW-3														
01/05/90	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
05/11/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
08/09/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/90	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
02/12/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
05/09/91	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/03	--	--	--	--	--	--	2600	ND<20	ND<20	ND<20	ND<40	--	3700	
08/27/04	100.00	29.61	0.00	70.39	--	--	1700	ND<10	ND<10	ND<10	ND<20	--	2600	
11/23/04	100.00	28.48	0.00	71.52	1.13	--	1500	ND<10	ND<10	ND<10	ND<20	--	1800	
02/09/05	100.00	26.45	0.00	73.55	2.03	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2100	
05/17/05	100.00	25.61	0.00	74.39	0.84	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1200	
07/27/05	100.00	27.35	0.00	72.65	-1.74	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/06/05	100.00	28.78	0.00	71.22	-1.43	--	430	ND<0.50	1.6	ND<0.50	3.6	--	1800	
02/21/06	100.00	28.91	0.00	71.09	-0.13	--	420	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1100	
06/08/06	100.00	25.97	0.00	74.03	2.94	--	ND<1200	ND<12	ND<12	ND<12	ND<25	--	1000	
09/15/06	100.00	28.73	0.00	71.27	-2.76	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	1200	
12/14/06	100.00	28.62	0.00	71.38	0.11	--	ND<1000	ND<10	ND<10	ND<10	ND<10	--	1300	
03/28/07	100.00	26.69	0.00	73.31	1.93	--	500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	860	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through September 2008

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
06/25/07	100.00	26.74	0.00	73.26	-0.05	--	270	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	570	
09/22/07	100.00	29.57	0.00	70.43	-2.83	--	500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	980	
12/14/07	100.00	29.30	0.00	70.70	0.27	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	570	
03/17/08	100.00	26.82	0.00	73.18	2.48	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	520	
06/20/08	100.00	29.10	0.00	70.90	-2.28	--	490	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1300	
09/11/08	100.00	29.89	0.00	70.11	-0.79	--	630	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1200	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-1							
11/13/03	ND<200	ND<1000	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
08/27/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
11/23/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
02/09/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
05/17/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
07/27/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/06/05	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/08/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/15/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/14/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/28/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/25/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/22/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/14/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
06/20/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
11/13/03	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80
08/27/04	ND<50	ND<500	ND<5.0	ND<5.0	24	ND<5.0	ND<5.0
11/23/04	ND<5.0	ND<50	ND<0.50	ND<0.50	18	ND<0.50	ND<0.50
02/09/05	ND<50	ND<500	ND<5.0	ND<5.0	19	ND<5.0	ND<5.0
05/17/05	ND<5.0	ND<50	ND<0.50	ND<0.50	12	ND<0.50	ND<0.50
07/27/05	140	ND<500	ND<5.0	ND<5.0	16	ND<5.0	ND<5.0

TRC

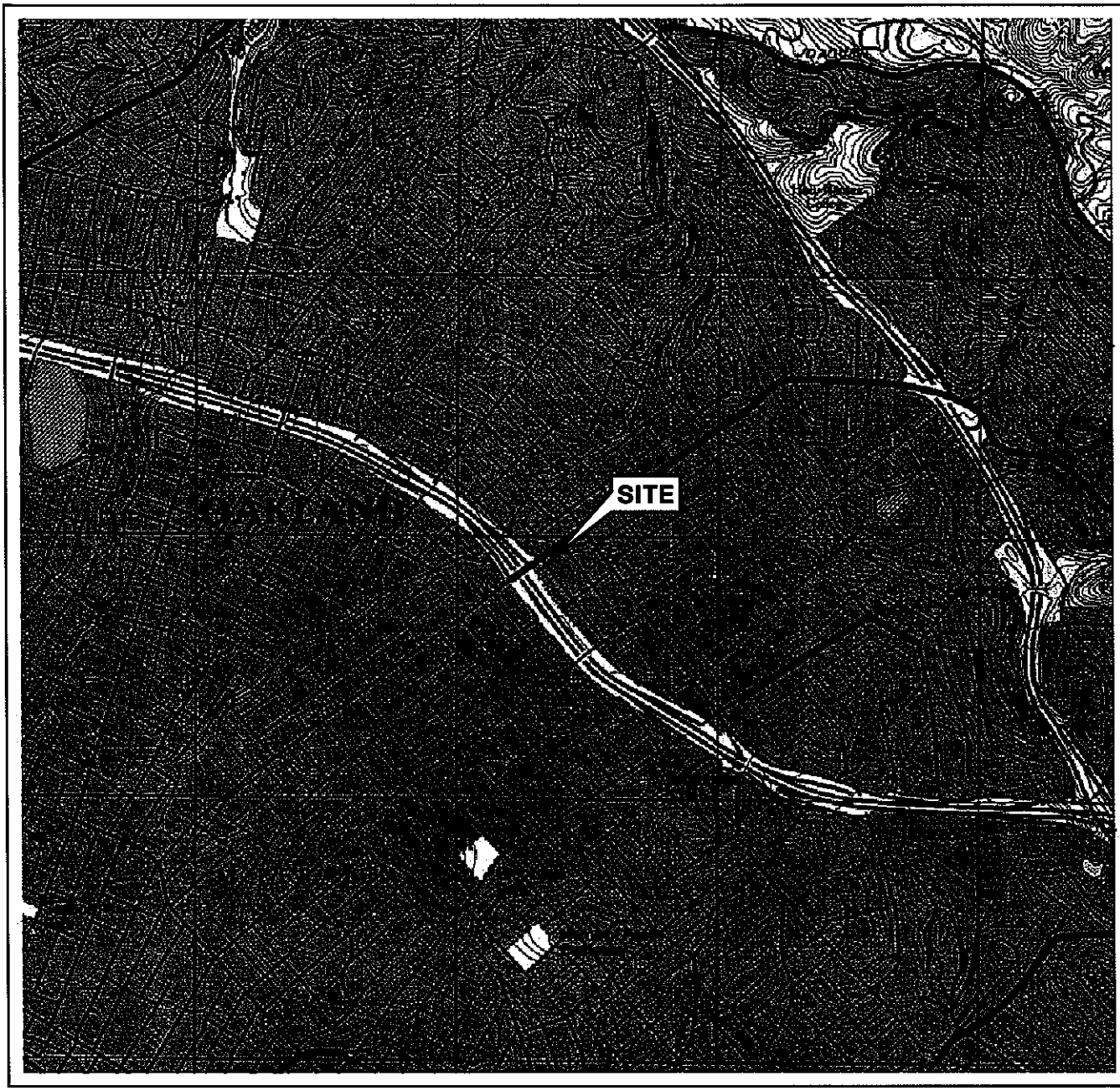
Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-2 continued							
12/06/05	61	ND<250	ND<0.50	ND<0.50	15	ND<0.50	ND<0.50
02/21/06	ND<10	ND<250	ND<0.50	ND<0.50	18	ND<0.50	ND<0.50
06/08/06	ND<100	ND<2500	ND<5.0	ND<5.0	14	ND<5.0	ND<5.0
09/15/06	ND<100	ND<2500	ND<5.0	ND<5.0	17	ND<5.0	ND<5.0
12/14/06	27	ND<250	ND<0.50	ND<0.50	20	ND<0.50	ND<0.50
03/28/07	260	ND<250	ND<0.50	ND<0.50	23	ND<0.50	ND<0.50
06/25/07	ND<10	ND<250	ND<0.50	ND<0.50	23	ND<0.50	ND<0.50
09/22/07	ND<10	ND<250	ND<0.50	ND<0.50	35	ND<0.50	ND<0.50
12/14/07	48	ND<250	ND<0.50	ND<0.50	24	ND<0.50	ND<0.50
03/17/08	ND<100	ND<2500	ND<5.0	ND<5.0	18	ND<5.0	ND<5.0
06/20/08	ND<10	ND<250	ND<0.50	ND<0.50	16	ND<0.50	ND<0.50
09/11/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3							
11/13/03	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80
08/27/04	ND<100	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10
11/23/04	ND<100	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10
02/09/05	130	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10
05/17/05	ND<100	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10
07/27/05	360	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10
12/06/05	160	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/21/06	88	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.58
06/08/06	ND<250	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12
09/15/06	ND<250	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12
12/14/06	ND<200	ND<5000	ND<10	ND<10	ND<10	ND<10	ND<10
03/28/07	500	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6129

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
MW-3 continued							
06/25/07	11	ND<250	ND<0.50	0.65	ND<0.50	ND<0.50	ND<0.50
09/22/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/14/07	26	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/17/08	ND<10	ND<250	ND<0.50	0.65	ND<0.50	ND<0.50	ND<0.50
06/20/08	49	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/08	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0

FIGURES



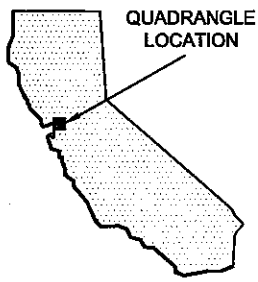
N

SOURCE:

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

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

SCALE 1: 24,000



TRC

PROJECT: 154771

FACILITY:

76 STATION 6129
3420 35TH AVENUE
OAKLAND, CALIFORNIA

VICINITY MAP

FIGURE 1

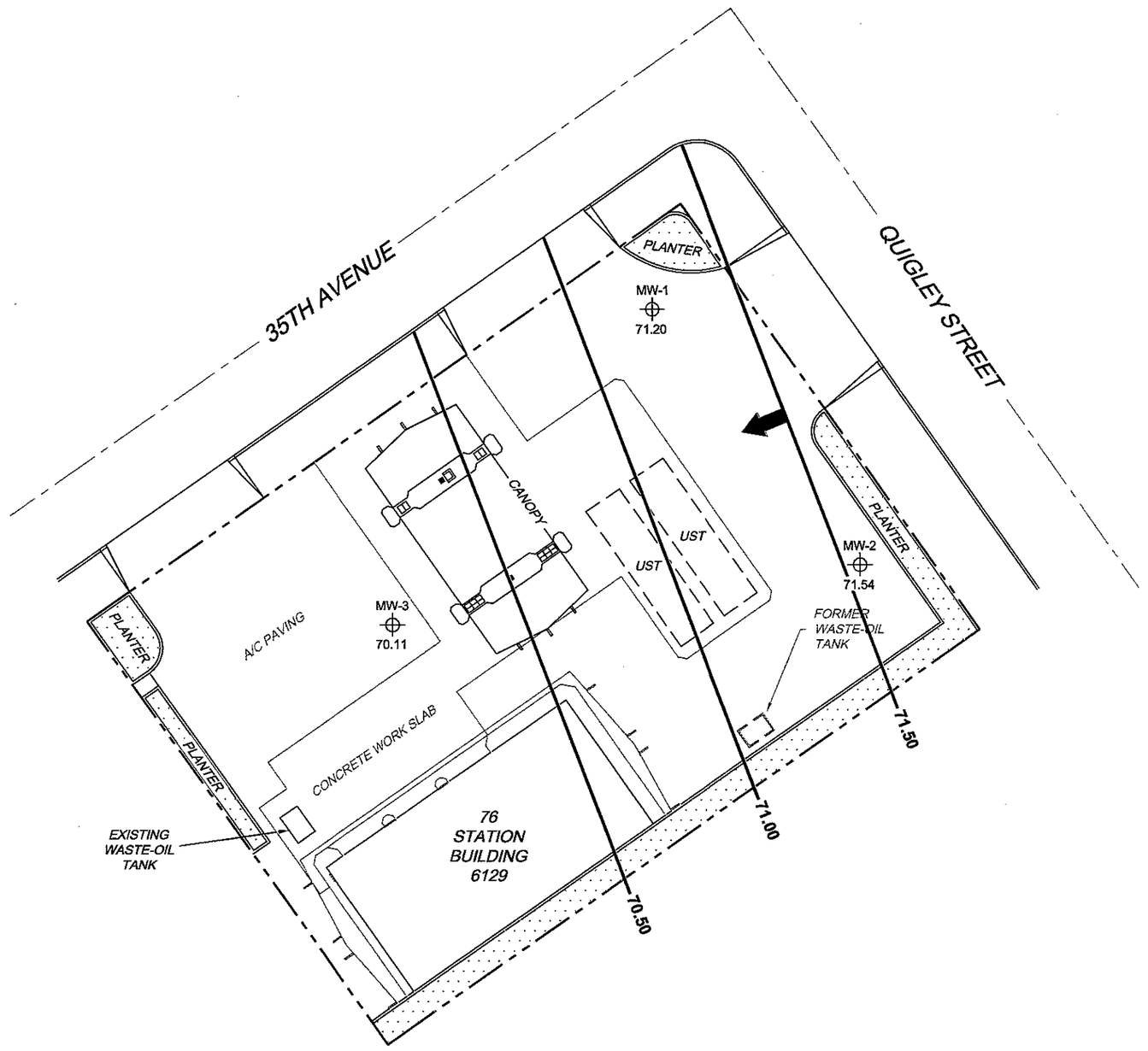
PS=1:1 L:\DOMS VICINITY MAP SD6129vm.dwg Jan 10, 2008 - 2:06pm cvuong

LEGEND

MW-3 ⊕ Monitoring Well with Groundwater Elevation (feet)

71.50— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow



N

SCALE (FEET)

0 30

NOTES:

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

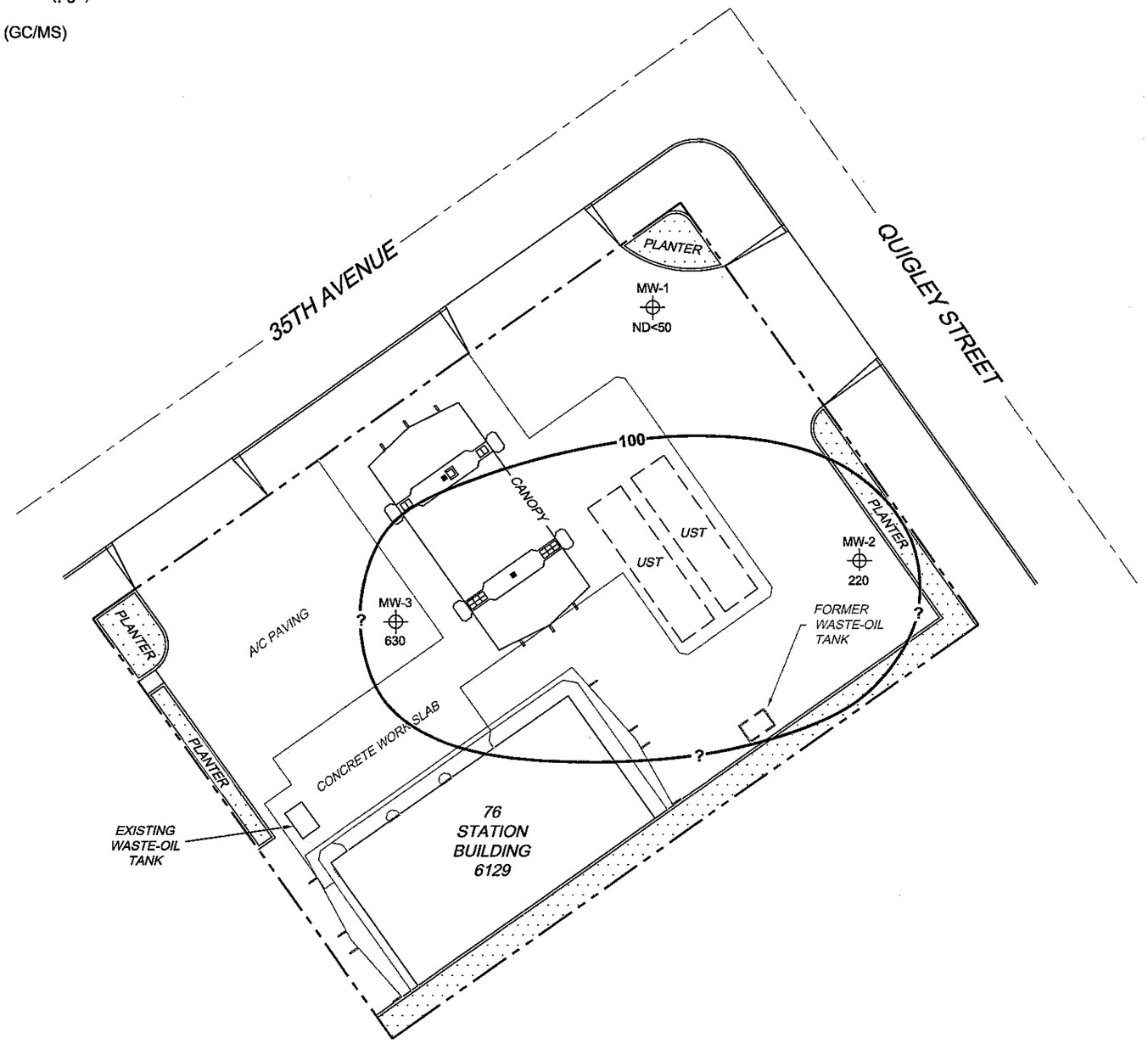
PROJECT:	154771
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP September 11, 2008	
TRC	**FIGURE 2**

MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+6129_QMS(NEW).dwg Oct 08, 2008 - 10:10am bschmidt

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

100 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



N

SCALE (FEET)

0 30

NOTES:

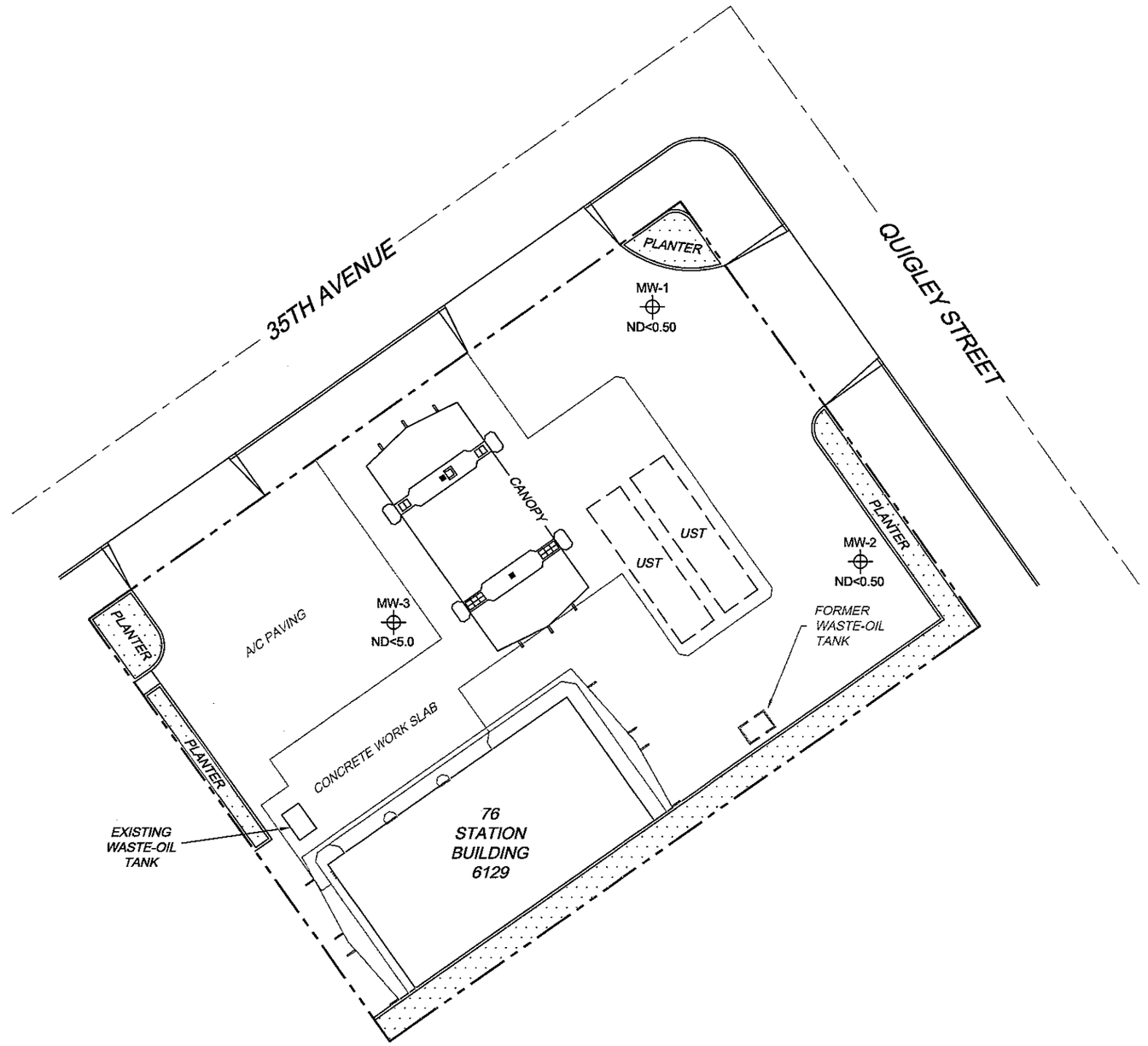
Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground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

PROJECT:	154771
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP September 11, 2008	
TRC	**FIGURE 3**

MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+6129_QMS(NEW).dwg Oct 08, 2008 - 9:44am bschmidt

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)



N

SCALE (FEET)

0 30

NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

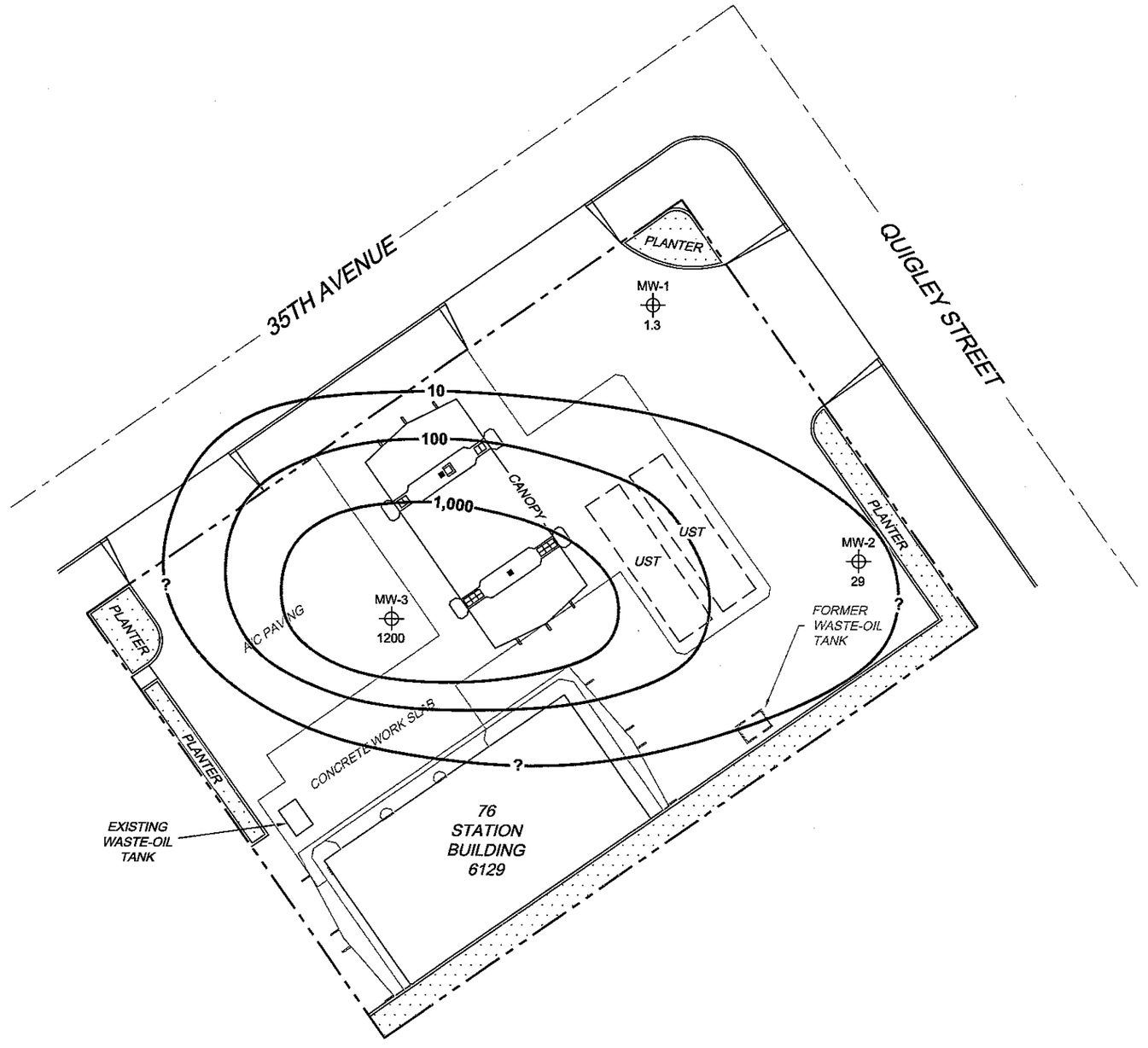
PROJECT:	154771
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE BENZENE CONCENTRATION MAP September 11, 2008	
TRC	**FIGURE 4**

MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+6129_QMS(NEW).dwg Oct 08, 2008 - 9:44am bschmidt

LEGEND

MW-3 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

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



N

SCALE (FEET)

0 30

NOTES:

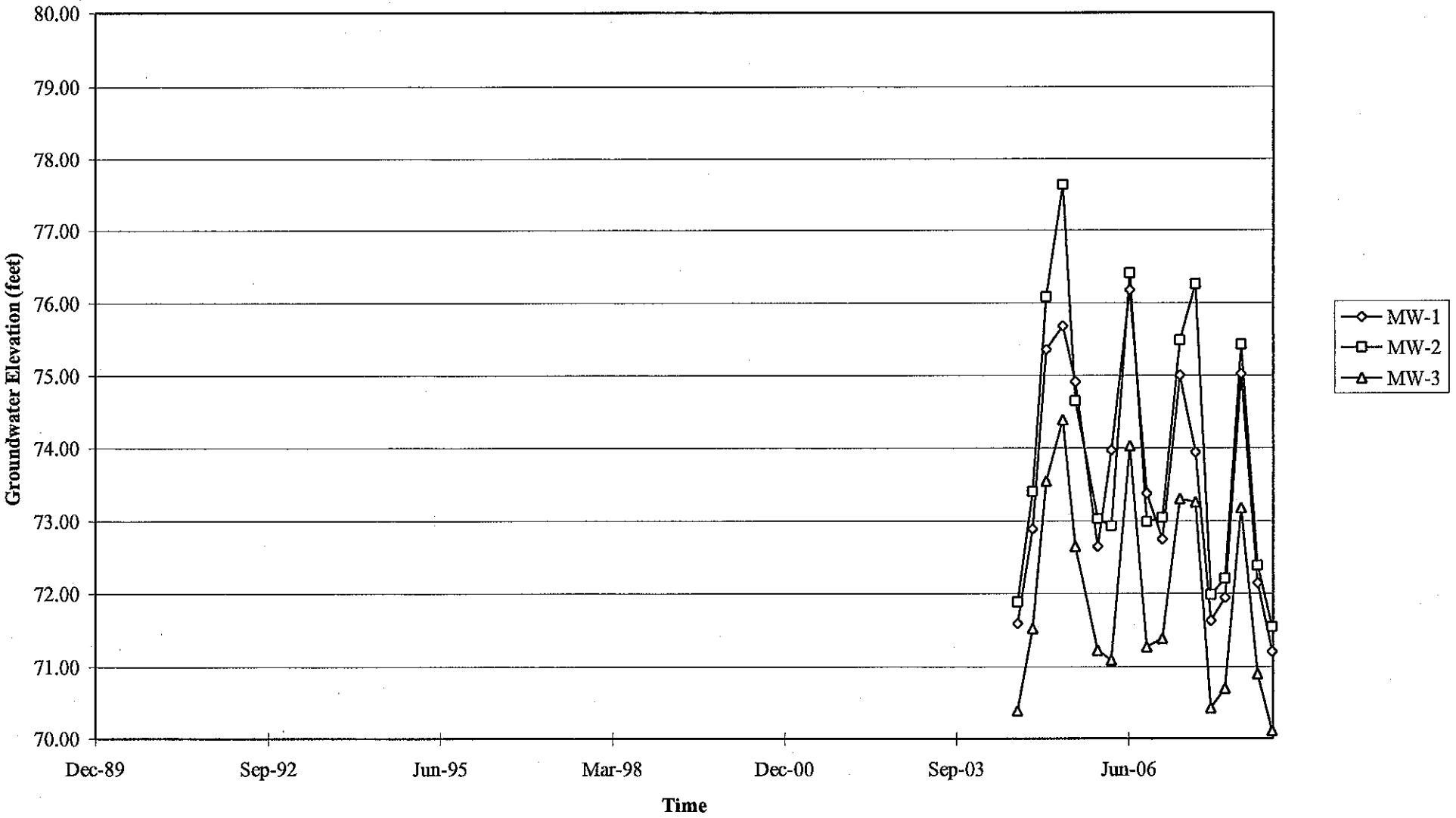
Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. UST = underground storage tank.
Results obtained using EPA Method 8260B.

PROJECT:	154771
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE MTBE CONCENTRATION MAP September 11, 2008	
TRC	**FIGURE 5**

MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS(NEW).dwg Oct 08, 2008 - 10:07am bschmidt

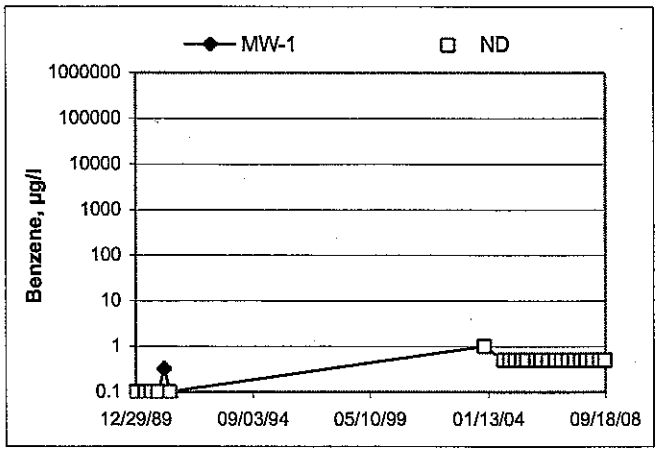
GRAPHS

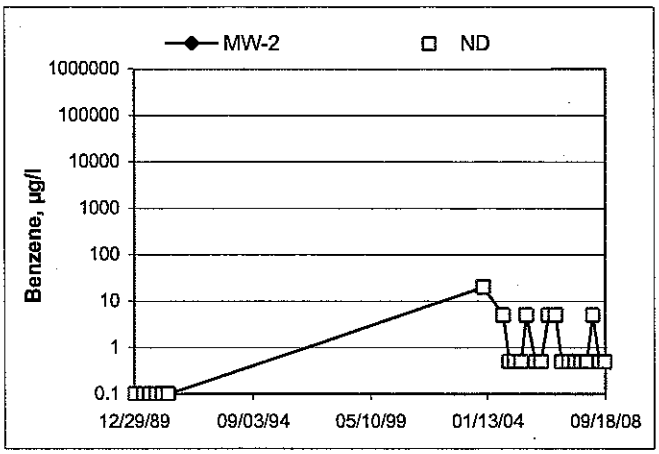
Groundwater Elevations vs. Time
76 Station 6129

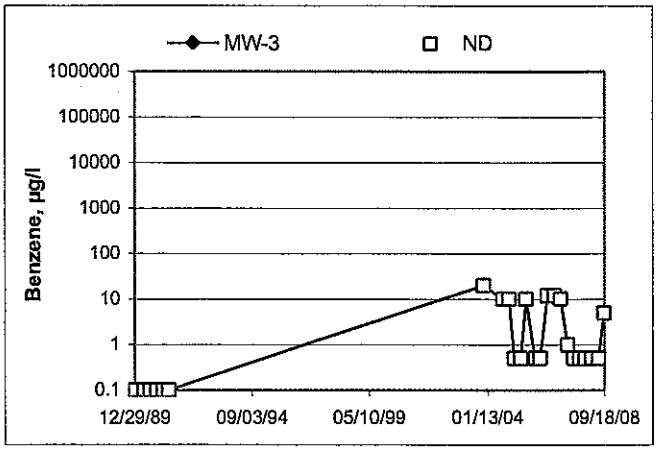


Elevations may have been corrected for apparent changes due to resurvey

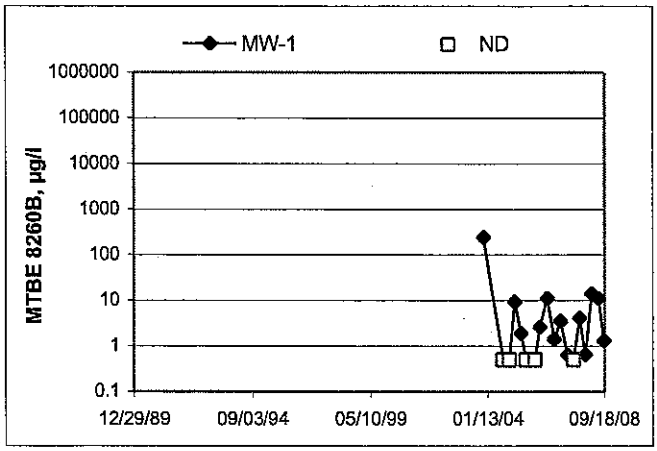
Benzene Concentrations vs Time
76 Station 6129

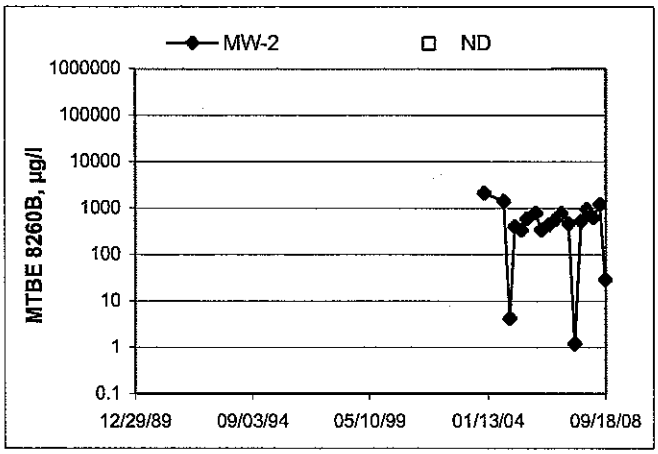


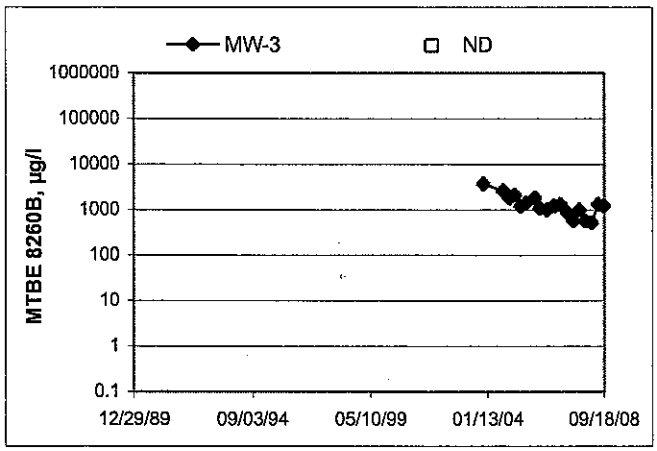




MTBE 8260B Concentrations vs Time
76 Station 6129







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 car e 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 is 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 activit ies. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, 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: Andrew Flowers Job #/Task #: 154771 / FA20 Date: 09/11/08

Site # 6129 Project Manager A. Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	✓	0537	43.47	31.04	—	—	0620	2"
MW-2	✓	0541	43.55	30.62	—	—	0638	2"
MW-3	✓	0547	39.46	29.89	—	—	0700	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrew V.

Site: 6129 Project No.: 154771 Date: 09/11/08

Well No. MW-1 Purge Method: HB

Depth to Water (feet): ~~31.04~~ 31.04 Depth to Product (feet): —

Total Depth (feet) 43.47 LPH & Water Recovered (gallons): —

Water Column (feet): 12.43 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 33.53 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
0559			3	924.4	19.4	6.67			
			6	838.4	19.5	6.46			
	0615		9	831.0	19.6	6.46			

Static at Time Sampled	Total Gallons Purged	Sample Time
33.22	9	0620

Comments:

Well No. MW-2 Purge Method: Sub

Depth to Water (feet): 30.62 Depth to Product (feet): —

Total Depth (feet) 43.55 LPH & Water Recovered (gallons): —

Water Column (feet): 12.93 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 33.21 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
0628			3	821.6	17.8	6.85			
			6	911.5	18.3	6.68			
	0633		9	976.6	18.8	6.61			

Static at Time Sampled	Total Gallons Purged	Sample Time
33.21	9	0638

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrew V.

Site: 6129 Project No.: 154771 Date: 09/11/08

Well No. MW-3 Purge Method: HB

Depth to Water (feet): 29.89 Depth to Product (feet): —

Total Depth (feet) 39.46 LPH & Water Recovered (gallons): —

Water Column (feet): 9.57 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.80 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
0645			2	6768	18.3	7.76			
			4	662-9	19.1	6.97			
	0657		6	649.6	19.3	6.96			

Static at Time Sampled	Total Gallons Purged	Sample Time
31.02	6	0700

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)	Conduc-tivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 09/22/2008

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 6129
BC Work Order: 0812051

Enclosed are the results of analyses for samples received by the laboratory on 9/11/2008. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC 21 Technology Drive Irvine, CA 92618	Project: 6129 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 09/22/2008 14:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0812051-01	**COC Number:**	---	**Receive Date:**	09/11/2008 22:05	Delivery Work Order:
	Project Number:	6129	**Sampling Date:**	09/11/2008 06:20	Global ID: T0600101465
	Sampling Location:	MW-1	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Sample QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:
0812051-02	**COC Number:**	---	**Receive Date:**	09/11/2008 22:05	Delivery Work Order:
	Project Number:	6129	**Sampling Date:**	09/11/2008 06:38	Global ID: T0600101465
	Sampling Location:	MW-2	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Sample QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:
0812051-03	**COC Number:**	---	**Receive Date:**	09/11/2008 22:05	Delivery Work Order:
	Project Number:	6129	**Sampling Date:**	09/11/2008 07:00	Global ID: T0600101465
	Sampling Location:	MW-3	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Sample QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:

TRC
21 Technology Drive
Irvine, CA 92618

Project: 6129
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/22/2008 14:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0812051-01 | **Client Sample Name:** 6129, MW-1, MW-1, 9/11/2008 6:20:00AM

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	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Methyl t-butyl ether	1.3	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881	ND	
1,2-Dichloroethane-d4 (Surrogate)	88.1	%	76 - 114 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881		
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 16:33	mwb	MS-V13	1	BRI0881		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 6129
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/22/2008 14:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0812051-02 | **Client Sample Name:** 6129, MW-2, MW-2, 9/11/2008 6:38:00AM

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	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Methyl t-butyl ether	29	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
Total Purgeable Petroleum Hydrocarbons	220	ug/L	50		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.8	%	76 - 114 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882		
Toluene-d8 (Surrogate)	97.8	%	88 - 110 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882		
4-Bromofluorobenzene (Surrogate)	112	%	86 - 115 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 17:35	mwb	MS-V13	1	BRI0882		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 6129
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/22/2008 14:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0812051-03 | **Client Sample Name:** 6129, MW-3, MW-3, 9/11/2008 7:00:00AM

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	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
1,2-Dibromoethane	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
1,2-Dichloroethane	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Ethylbenzene	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Methyl t-butyl ether	1200	ug/L	12		EPA-8260	09/12/08	09/15/08 17:26	mwb	MS-V13	25	BRI0881	ND	A01
Toluene	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Total Xylenes	ND	ug/L	10		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
t-Amyl Methyl ether	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
t-Butyl alcohol	ND	ug/L	100		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Diisopropyl ether	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Ethanol	ND	ug/L	2500		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Ethyl t-butyl ether	ND	ug/L	5.0		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01
Total Purgeable Petroleum Hydrocarbons	630	ug/L	500		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881	ND	A01,A90
1,2-Dichloroethane-d4 (Surrogate)	94.0	%	76 - 114 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 17:26	mwb	MS-V13	25	BRI0881		
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 17:26	mwb	MS-V13	25	BRI0881		
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881		
4-Bromofluorobenzene (Surrogate)	109	%	86 - 115 (LCL - UCL)		EPA-8260	09/12/08	09/18/08 02:10	mwb	MS-V13	10	BRI0881		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)		EPA-8260	09/12/08	09/15/08 17:26	mwb	MS-V13	25	BRI0881		

TRC 21 Technology Drive Irvine, CA 92618	Project: 6129 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 09/22/2008 14:29

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BRI0881	Matrix Spike	0812051-01	0	24.070	25.000	ug/L		96.3		70 - 130	
		Matrix Spike Duplicate	0812051-01	0	24.400	25.000	ug/L	1.3	97.6	20	70 - 130	
Toluene	BRI0881	Matrix Spike	0812051-01	0.17000	26.220	25.000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0812051-01	0.17000	26.640	25.000	ug/L	1.9	106	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BRI0881	Matrix Spike	0812051-01	ND	9.0300	10.000	ug/L		90.3		76 - 114	
		Matrix Spike Duplicate	0812051-01	ND	9.0700	10.000	ug/L		90.7		76 - 114	
Toluene-d8 (Surrogate)	BRI0881	Matrix Spike	0812051-01	ND	10.130	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0812051-01	ND	10.100	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	BRI0881	Matrix Spike	0812051-01	ND	9.4400	10.000	ug/L		94.4		86 - 115	
		Matrix Spike Duplicate	0812051-01	ND	9.3200	10.000	ug/L		93.2		86 - 115	
Benzene	BRI0882	Matrix Spike	0811604-32	0	25.350	25.000	ug/L		101		70 - 130	
		Matrix Spike Duplicate	0811604-32	0	26.180	25.000	ug/L	3.9	105	20	70 - 130	
Toluene	BRI0882	Matrix Spike	0811604-32	0	23.020	25.000	ug/L		92.1		70 - 130	
		Matrix Spike Duplicate	0811604-32	0	24.090	25.000	ug/L	4.6	96.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BRI0882	Matrix Spike	0811604-32	ND	9.7400	10.000	ug/L		97.4		76 - 114	
		Matrix Spike Duplicate	0811604-32	ND	9.6600	10.000	ug/L		96.6		76 - 114	
Toluene-d8 (Surrogate)	BRI0882	Matrix Spike	0811604-32	ND	9.7500	10.000	ug/L		97.5		88 - 110	
		Matrix Spike Duplicate	0811604-32	ND	9.9800	10.000	ug/L		99.8		88 - 110	
4-Bromofluorobenzene (Surrogate)	BRI0882	Matrix Spike	0811604-32	ND	9.3300	10.000	ug/L		93.3		86 - 115	
		Matrix Spike Duplicate	0811604-32	ND	9.3800	10.000	ug/L		93.8		86 - 115	

TRC
21 Technology Drive
Irvine, CA 92618

Project: 6129
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/22/2008 14:29

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	BRI0881	BRI0881-BS1	LCS	24.570	25.000	0.50	ug/L	98.3		70 - 130		
Toluene	BRI0881	BRI0881-BS1	LCS	25.870	25.000	0.50	ug/L	103		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRI0881	BRI0881-BS1	LCS	9.1600	10.000		ug/L	91.6		76 - 114		
Toluene-d8 (Surrogate)	BRI0881	BRI0881-BS1	LCS	9.8500	10.000		ug/L	98.5		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRI0881	BRI0881-BS1	LCS	9.3700	10.000		ug/L	93.7		86 - 115		
Benzene	BRI0882	BRI0882-BS1	LCS	26.260	25.000	0.50	ug/L	105		70 - 130		
Toluene	BRI0882	BRI0882-BS1	LCS	24.430	25.000	0.50	ug/L	97.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRI0882	BRI0882-BS1	LCS	9.5600	10.000		ug/L	95.6		76 - 114		
Toluene-d8 (Surrogate)	BRI0882	BRI0882-BS1	LCS	9.9000	10.000		ug/L	99.0		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRI0882	BRI0882-BS1	LCS	8.9700	10.000		ug/L	89.7		86 - 115		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 6129
Project Number: [none]
Project Manager: Anju Farfan

Reported: 09/22/2008 14:29

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	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Ethylbenzene	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Toluene	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Total Xylenes	BRI0881	BRI0881-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BRI0881	BRI0881-BLK1	ND	ug/L	10		
Diisopropyl ether	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Ethanol	BRI0881	BRI0881-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BRI0881	BRI0881-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BRI0881	BRI0881-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BRI0881	BRI0881-BLK1	86.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BRI0881	BRI0881-BLK1	99.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BRI0881	BRI0881-BLK1	100	%	86 - 115 (LCL - UCL)		
Benzene	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Ethylbenzene	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Toluene	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Total Xylenes	BRI0882	BRI0882-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		

TRC 21 Technology Drive Irvine, CA 92618	Project: 6129 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 09/22/2008 14:29

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
t-Butyl alcohol	BRI0882	BRI0882-BLK1	ND	ug/L	10		
Diisopropyl ether	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Ethanol	BRI0882	BRI0882-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BRI0882	BRI0882-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BRI0882	BRI0882-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BRI0882	BRI0882-BLK1	96.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BRI0882	BRI0882-BLK1	97.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BRI0882	BRI0882-BLK1	104	%	86 - 115 (LCL - UCL)		

TRC 21 Technology Drive Irvine, CA 92618	Project: 6129 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 09/22/2008 14:29

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page __ of __

Submission #: 0812051

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

Emissivity: 0.95 Container: Qt-P Thermometer ID: 48

Temperature: A 0.8 °C / C 0.0 °C

Date/Time 9-11-08 2212

Analyst Init JDW

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										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A+3	A+3	A+3	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: _____ Date/Time: 09-10-08 2300

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

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

CHAIN OF CUSTODY

0812051

Analysis Requested

Bill to: Conoco Phillips/ TRC	Consultant Firm: TRC
Address: 3420 35th Ave.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Oakland	4-digit site#: 6129 Workorder # 04583-450118531
State: CA Zip:	Project #: 154771
Conoco Phillips Mgr: Terry Grayson	Sampler Name: Andrew Vidners

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS, EDB/EDC by 8260B			Turnaround Time Requested
		MW-1	09/11/08 0620	GW					X	X	X			STD
		MW-2	↓ 0638	↓					↓	↓	↓			↓
		MW-3	↓ 0700	↓					↓	↓	↓			↓

CHK BY [signature] DISTRIBUTION [initials] SUB-OUT ☐

Comments:	Relinquished by: (Signature)	Received by:	Date & Time
	[signature]	Ross Diska [signature]	9/11/08 1500
	Relinquished by: (Signature) Ross Diskay 9/11/08	Received by: R. Rung [signature]	9-11-08 1830
GLOBAL ID: T0600101465	Relinquished by: (Signature) R. Rung [signature] 9-11-08 2200	Received by: [signature]	9-11-08 2205

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

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.