ConocoPhillips
76 Broadway
Sacramento, California 95818

June 28, 2010

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

Re: ***Semi Annual Summary Report—First Quarter- Second Quarter 2010***
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

June 28, 2010

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

Re: SEMI-ANNUAL SUMMARY REPORT
FIRST QUARTER THROUGH SECOND QUARTER 2010
Fuel Leak Case No. RO0058

Dear Ms. Jakub:

DELTA

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the *Semi-Annual Summary Report – First Quarter through Second Quarter 2010* and forwarding a copy of TRC Solutions, Inc. (TRC's) *Semi-Annual Monitoring Report – January through June 2010,* dated June 8, 2010, for the following location:

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

Sincerely,
DELTA CONSULTANTS

James B. Barnard

REGISTERED PROFESSIONAL GEOLOGIST
JAMES B. BARNARD
No. 7478
Expires: 9/10
GEOLOGY
STATE OF CALIFORNIA

James B. Barnard, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7478

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

SEMI-ANNUAL SUMMARY REPORT
First Quarter through Second Quarter 2010
76 Service Station No. 6129
3420 35th Avenue
Oakland, Alameda County, 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 semi-annual basis during second and fourth quarters. Samples collected from the monitoring wells are analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and fuel oxygenates [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 8260B. TRC has been retained to perform the monitoring and sampling.

During the most recent groundwater monitoring event, conducted on May 7, 2010, the depth to groundwater ranged from 25.11 feet (MW-2) to 26.06 feet (MW-1) below top of casing (TOC). Average groundwater elevation is 164.43 feet above mean sea level, which is an increase of 4.20 feet since the previous sampling event (12/11/09). The current groundwater flow direction was interpreted to be to the southwest with a

gradient of 0.02 foot per foot (ft/ft). This is somewhat consistent with the previous sampling event when the groundwater flow direction was interpreted to be to the west with a gradient of 0.01 ft/ft. Historic groundwater flow directions presented as a rose diagram included as Attachment A. A copy of TRC's *Semi-Annual Monitoring Report – January through June 2010* is included as Attachment B.

Contaminants of Concern:

- **TPHg:** TPHg was above laboratory indicated reporting limits in the groundwater samples collected from all of the three wells sampled, with a maximum concentration of 600 µg/L in MW-2 during the current sampling event. This is a decrease from a maximum concentration of 640 µg/L in MW-2 during the previous sampling event (12/11/09). Wells MW-1 and MW-3 were reported with concentrations of 67 µg/L and 360 µg/L, respectively, during the current sampling event.

- **BTEX:** BTEX compounds were all below laboratory indicated reporting limits in groundwater samples collected from all of the three wells sampled during the current sampling event. This is consistent with the previous sampling event.

- **MTBE:** MTBE was above laboratory indicated reporting limits in the groundwater samples collected from all of the three wells sampled, with a maximum concentration of 940 µg/L in MW-2 during the current sampling event. This is a decrease from a maximum concentration of 1,300 µg/L in MW-3 during the previous sampling event. Wells MW-1 and MW-3 were reported with concentration of 64 µg/L and 660 µg/L, respectively, during the current sampling event.

- **DIPE:** DIPE was above laboratory indicated reporting limits in the groundwater sample collected from one of the three wells sampled, with a maximum concentration of 14 µg/L in MW-2 during the current sampling event. This is a decrease from a maximum concentration of 19 µg/L in MW-2 during the previous sampling event.

- **Other Fuel Oxygenates:** TBA, ETBE, TAME, 1,2-DCA, EDB, and Ethanol were all below laboratory indicated reporting limits in groundwater samples collected from all of the three wells sampled during the current sampling event. This is consistent with the previous sampling event except for TBA which showed a concentration of 63 µg/L in MW-3.

REMEDIATION STATUS

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.

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

CHARACTERIZATION STATUS

A *Site Assessment Work Plan,* dated March 23, 2009*,* was submitted and approved by the agency. Delta completed the soil borings in October 2009. Delta is to determine the placement, advancement and installation of four additional monitoring wells on-site based on cross-sections and the CPT boring results. Groundwater monitoring is ongoing.

RECENT CORRESPONDENCE

No regulatory correspondence was received during the first and second quarter 2010.

WASTE DISPOSAL SUMMARY

Eighteen (18) drums of non-hazardous soil and water produced during recent field activities were transported off-site for disposal on 12/01/09.

FIRST QUARTER THROUGH SECOND QUARTER ACTIVITIES

1. TRC conducted semi-annual monitoring and sampling activities on May 7, 2010, and summarized presented their results in the *Semi-Annual Monitoring Report – January through June* 2010, dated June 8, 2010.
2. Delta prepared *Semi-Annual Summary Report – First Quarter through Second Quarter 2010.*

THIRD QUARTER THROUGH FOURTH QUARTER 2010 PLANNED ACTIVITIES

1. TRC will conduct semi-annual monitoring and sampling activities at the site, and present their results in a semi-annual monitoring report.

2. Upon agency approval of *Monitoring Well Addendum*, dated January 25, 2010, Delta will install four new monitoring wells onsite and prepare a report.

CONSULTANT: Delta Consultants

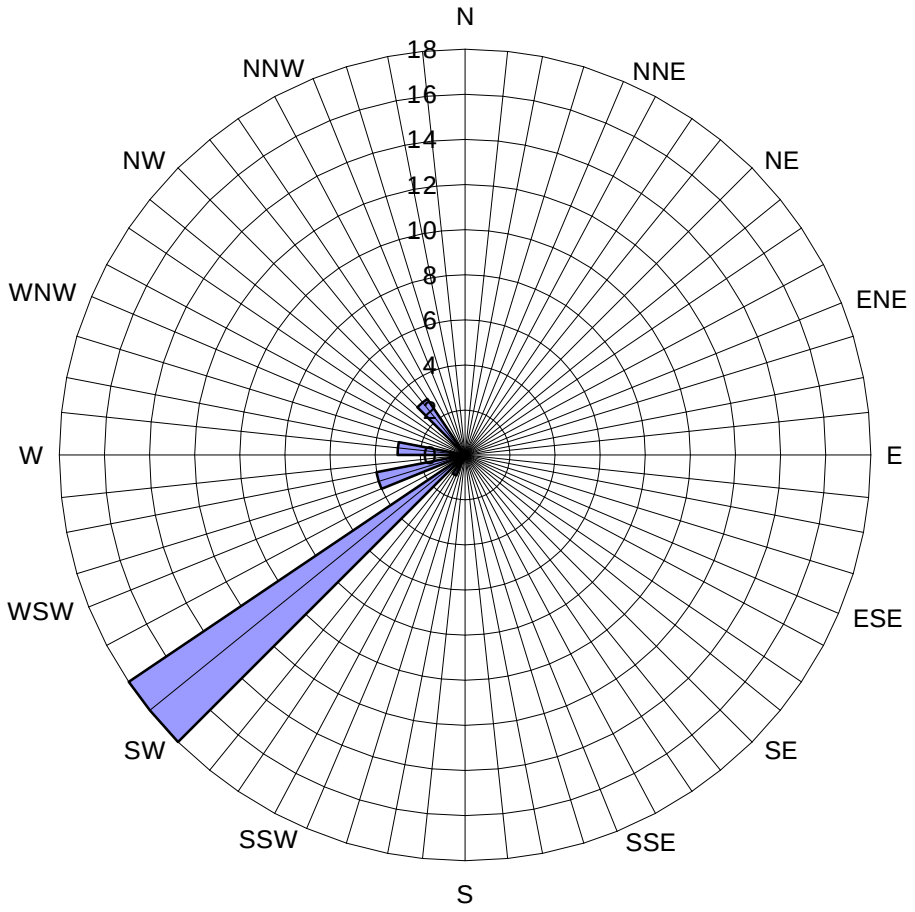
******

Attachment A – Historic Groundwater Flow Directions (Rose) Diagram
Attachment B – Semi-Annual Monitoring Report – January through June 2010

ATTACHMENT A

Historic Groundwater Flow Directions

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



Groundwater Flow Direction

Legend
Concentric circles represent Quarterly Montoring Events.
First Quarter 1990 through Second Quarter 2010.
29 data points shown.

ATTACHMENT B

Semi-Annual Monitoring Report – January through June 2010

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: June 8, 2010

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 94563

ATTN: MR. TERRY GRAYSON

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

RE: SEMI-ANNUAL MONITORING REPORT
JANUARY THROUGH JUNE 2010

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. James Barnard, Delta Consultants (1 copy)

Enclosures:
20-0400/6129R25.QMS

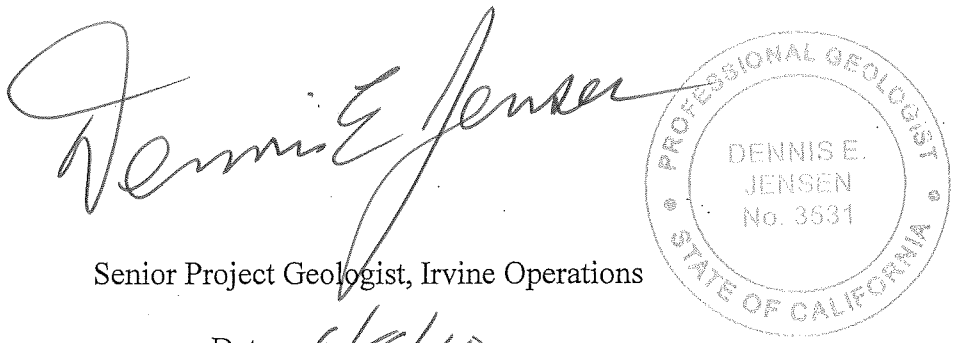
SEMI-ANNUAL MONITORING REPORT
JANUARY THROUGH JUNE 2010

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: 6/6/10

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 Table 2b: Additional Historic Analytical Results Table 2c: Additional Historic Analytical Results
Coordinated Event Data	*Former Exxon Station 7-0234* Table 1A: Cumulative Groundwater Monitoring and Sampling Data Table 1B: Additional Cumulative Groundwater Monitoring and Sampling Data
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 MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 5/7/10 Groundwater Sampling Field Notes – 5/7/10
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January through June 2010
76 Station 6129
3420 35th Ave.
Oakland, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **5/7/2010**

Sample Points

Groundwater wells: **3** onsite, **0** offsite Points gauged: **3** Points sampled: **3**
Purging method: **Submersible pump/bailer**
Purge water disposal: **Crosby and Overton treatment facility**
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: **25.11 feet** Maximum: **26.06 feet**
Average groundwater elevation (relative to available local datum): **164.43 feet**
Average change in groundwater elevation since previous event: **4.20 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, southwest**
Previous event: **0.01 ft/ft, west (12/11/2009)**

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** **3** Maximum: **600 µg/l (MW-2)**
Sample Points with **MTBE 8260B** **3** Maximum: **940 µg/l (MW-2)**

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
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)
D	=	duplicate
P	=	no-purge sample

ANALYTES

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
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)

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. Prior to the 1st quarter 2010, the word "monitor" was used in table comments interchangeably with the word "gauge". Starting in the 1st quarter 2010, the word "monitor" is used to include both "gauge" and "sample".

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 8015	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	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP	

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G 8015	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	Carbon (organic, total)	Chromium VI	Chromium (total)	Chromium (dissolved)	Iron Ferric
Table 2b	Well/ Date	Iron Ferrous	Iron (total)	Manganese (dissolved)	Manganese (total)	Nitrogen as Nitrate	Sulfate	Alkalinity (total)	Dissolved Oxygen (Lab)	Redox Potential (ORP-Lab)	Specific Con-ductance	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen
Table 2c	Well/ Date	Pre-purge ORP	Post-purge ORP										

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 7, 2010

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 25-45)**											
5/7/2010	190.79	26.06	0.00	164.73	4.54	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	64	
MW-2			**(Screen Interval in feet: 25-45)**											
5/7/2010	190.80	25.11	0.00	165.69	4.69	--	600	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	940	
MW-3			**(Screen Interval in feet: 25-45)**											
5/7/2010	188.58	25.72	0.00	162.86	3.38	--	360	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	660	

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)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-1											
5/7/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.60	3.06	211	205
MW-2											
5/7/2010	ND<20	ND<500	ND<1.0	ND<1.0	14	ND<1.0	ND<1.0	1.89	2.39	208	204
MW-3											
5/7/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.35	2.29	209	204

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through May 2010

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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 25-45)**											
1/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/11/1990	--	--	--	--	--	ND	--	ND	7.1	ND	ND	--	--	
8/9/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1991	--	--	--	--	--	ND	--	0.32	ND	ND	ND	--	--	
5/9/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/2003	--	--	--	--	--	--	180	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	240	
8/27/2004	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	
11/23/2004	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	
2/9/2005	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	
5/17/2005	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	
7/27/2005	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	
12/6/2005	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	
2/21/2006	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	
6/8/2006	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	
9/15/2006	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	
12/14/2006	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	
3/28/2007	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	
6/25/2007	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	
9/22/2007	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	
12/14/2007	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	
3/17/2008	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 May 2010
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 8015 (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														
6/20/2008	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	
9/11/2008	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	
11/25/2008	102.24	30.88	0.00	71.36	0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.8	
3/9/2009	102.24	27.50	0.00	74.74	3.38	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
5/28/2009	102.24	28.25	0.00	73.99	-0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
12/11/2009	190.79	30.60	0.00	160.19	86.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
5/7/2010	190.79	26.06	0.00	164.73	4.54	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	64	
MW-2			**(Screen Interval in feet: 25-45)**											
1/5/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/11/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/9/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1991	--	--	--	--	--	ND	--	ND	0.42	ND	0.51	--	--	
5/9/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/2003	--	--	--	--	--	--	ND<2000	ND<20	ND<20	ND<20	ND<40	--	2100	
8/27/2004	102.16	30.28	0.00	71.88	--	--	950	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1400	
11/23/2004	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	
2/9/2005	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	
5/17/2005	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	
7/27/2005	102.16	27.51	0.00	74.65	-2.98	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	580	
12/6/2005	102.16	29.13	0.00	73.03	-1.62	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	780	
2/21/2006	102.16	29.23	0.00	72.93	-0.10	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	340	
6/8/2006	102.16	25.76	0.00	76.40	3.47	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	440	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
January 1990 Through May 2010
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 8015 (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														
9/15/2006	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	
12/14/2006	102.16	29.11	0.00	73.05	0.06	--	520	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	770	
3/28/2007	102.16	26.68	0.00	75.48	2.43	--	290	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	460	
6/25/2007	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	
9/22/2007	102.16	30.18	0.00	71.98	-4.27	--	400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	530	
12/14/2007	102.16	29.96	0.00	72.20	0.22	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	930	
3/17/2008	102.16	26.74	0.00	75.42	3.22	--	570	ND<5.0	ND<5.0	ND<5.0	ND<10	--	630	
6/20/2008	102.16	29.78	0.00	72.38	-3.04	--	580	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1200	
9/11/2008	102.16	30.62	0.00	71.54	-0.84	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	29	
11/25/2008	102.16	30.48	0.00	71.68	0.14	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1500	
3/9/2009	102.16	25.75	0.00	76.41	4.73	--	910	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1400	
5/28/2009	102.16	27.71	0.00	74.45	-1.96	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	740	
12/11/2009	190.80	29.80	0.00	161.00	86.55	--	640	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1300	
5/7/2010	190.80	25.11	0.00	165.69	4.69	--	600	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	940	
MW-3			**(Screen Interval in feet: 25-45)**											
1/5/1990	--	--	0.00	--	--	ND	--	ND	ND	ND	ND	--	--	
5/11/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/9/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/14/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/12/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/9/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/13/2003	--	--	--	--	--	--	2600	ND<20	ND<20	ND<20	ND<40	--	3700	
8/27/2004	100.00	29.61	0.00	70.39	--	--	1700	ND<10	ND<10	ND<10	ND<20	--	2600	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
January 1990 Through May 2010
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 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
11/23/2004	100.00	28.48	0.00	71.52	1.13	--	1500	ND<10	ND<10	ND<10	ND<20	--	1800	
2/9/2005	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	
5/17/2005	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	
7/27/2005	100.00	27.35	0.00	72.65	-1.74	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
12/6/2005	100.00	28.78	0.00	71.22	-1.43	--	430	ND<0.50	1.6	ND<0.50	3.6	--	1800	
2/21/2006	100.00	28.91	0.00	71.09	-0.13	--	420	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1100	
6/8/2006	100.00	25.97	0.00	74.03	2.94	--	ND<1200	ND<12	ND<12	ND<12	ND<25	--	1000	
9/15/2006	100.00	28.73	0.00	71.27	-2.76	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	1200	
12/14/2006	100.00	28.62	0.00	71.38	0.11	--	ND<1000	ND<10	ND<10	ND<10	ND<10	--	1300	
3/28/2007	100.00	26.69	0.00	73.31	1.93	--	500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	860	
6/25/2007	100.00	26.74	0.00	73.26	-0.05	--	270	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	570	
9/22/2007	100.00	29.57	0.00	70.43	-2.83	--	500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	980	
12/14/2007	100.00	29.30	0.00	70.70	0.27	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	570	
3/17/2008	100.00	26.82	0.00	73.18	2.48	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	520	
6/20/2008	100.00	29.10	0.00	70.90	-2.28	--	490	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1300	
9/11/2008	100.00	29.89	0.00	70.11	-0.79	--	630	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1200	
11/25/2008	100.00	29.74	0.00	70.26	0.15	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	870	
3/9/2009	100.00	25.56	0.00	74.44	4.18	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	720	
5/28/2009	100.00	27.55	0.00	72.45	-1.99	--	410	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	750	
12/11/2009	188.58	29.10	0.00	159.48	87.03	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	620	
5/7/2010	188.58	25.72	0.00	162.86	3.38	--	360	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	660	

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)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Iron Ferric (µg/l)
MW-1												
11/13/2003	ND<200	ND<1000	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--	--	--	--
8/27/2004	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	--
11/23/2004	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	--	--	--
2/9/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
5/17/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
7/27/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/6/2005	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
2/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/8/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/15/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/14/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/28/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/25/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/22/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/14/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/20/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/11/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/25/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/9/2009	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.83	--	--	--	--
5/28/2009	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.88	ND<2.0	21	ND<10	27000
12/11/2009	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
5/7/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
MW-2												
11/13/2003	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80	--	--	--	--	--

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)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Iron Ferric (µg/l)
MW-2 continued												
8/27/2004	ND<50	ND<500	ND<5.0	ND<5.0	24	ND<5.0	ND<5.0	--	--	--	--	--
11/23/2004	ND<5.0	ND<50	ND<0.50	ND<0.50	18	ND<0.50	ND<0.50	--	--	--	--	--
2/9/2005	ND<50	ND<500	ND<5.0	ND<5.0	19	ND<5.0	ND<5.0	--	--	--	--	--
5/17/2005	ND<5.0	ND<50	ND<0.50	ND<0.50	12	ND<0.50	ND<0.50	--	--	--	--	--
7/27/2005	140	ND<500	ND<5.0	ND<5.0	16	ND<5.0	ND<5.0	--	--	--	--	--
12/6/2005	61	ND<250	ND<0.50	ND<0.50	15	ND<0.50	ND<0.50	--	--	--	--	--
2/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	18	ND<0.50	ND<0.50	--	--	--	--	--
6/8/2006	ND<100	ND<2500	ND<5.0	ND<5.0	14	ND<5.0	ND<5.0	--	--	--	--	--
9/15/2006	ND<100	ND<2500	ND<5.0	ND<5.0	17	ND<5.0	ND<5.0	--	--	--	--	--
12/14/2006	27	ND<250	ND<0.50	ND<0.50	20	ND<0.50	ND<0.50	--	--	--	--	--
3/28/2007	260	ND<250	ND<0.50	ND<0.50	23	ND<0.50	ND<0.50	--	--	--	--	--
6/25/2007	ND<10	ND<250	ND<0.50	ND<0.50	23	ND<0.50	ND<0.50	--	--	--	--	--
9/22/2007	ND<10	ND<250	ND<0.50	ND<0.50	35	ND<0.50	ND<0.50	--	--	--	--	--
12/14/2007	48	ND<250	ND<0.50	ND<0.50	24	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	ND<100	ND<2500	ND<5.0	ND<5.0	18	ND<5.0	ND<5.0	--	--	--	--	--
6/20/2008	ND<10	ND<250	ND<0.50	ND<0.50	16	ND<0.50	ND<0.50	--	--	--	--	--
9/11/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
11/25/2008	ND<10	ND<250	ND<0.50	ND<0.50	19	ND<0.50	ND<0.50	--	--	--	--	--
3/9/2009	ND<100	ND<2500	ND<5.0	ND<5.0	15	ND<5.0	ND<5.0	1.4	--	--	--	--
5/28/2009	ND<10	ND<250	ND<0.50	ND<0.50	20	ND<0.50	ND<0.50	1.6	ND<2.0	49	ND<10	43000
12/11/2009	ND<100	ND<2500	ND<5.0	ND<5.0	19	ND<5.0	ND<5.0	--	--	--	--	--
5/7/2010	ND<20	ND<500	ND<1.0	ND<1.0	14	ND<1.0	ND<1.0	--	--	--	--	--
MW-3												
11/13/2003	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80	--	--	--	--	--
8/27/2004	ND<100	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--	--

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)	Carbon (organic, total) (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Iron Ferric (µg/l)
MW-3 continued												
11/23/2004	ND<100	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	--	--	--	--
2/9/2005	130	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
5/17/2005	ND<100	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
7/27/2005	360	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
12/6/2005	160	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
2/21/2006	88	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.58	--	--	--	--	--
6/8/2006	ND<250	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12	--	--	--	--	--
9/15/2006	ND<250	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12	--	--	--	--	--
12/14/2006	ND<200	ND<5000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
3/28/2007	500	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
6/25/2007	11	ND<250	ND<0.50	0.65	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/22/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/14/2007	26	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	ND<10	ND<250	ND<0.50	0.65	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/20/2008	49	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/11/2008	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
11/25/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/9/2009	15	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	--	--	--	--
5/28/2009	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.5	ND<2.0	23	ND<10	11000
12/11/2009	63	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
5/7/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6129

Date Sampled	Iron Ferrous (µg/l)	Iron (total) (µg/l)	Manganese (dissolved) (µg/l)	Manganese (total) (µg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (total) (mg/l)	Dissolved Oxygen (Lab) (mg O/)	Redox Potential (ORP-Lab) (mV)	Specific Con-ductance (µmhos)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-1												
3/9/2009	ND<1000	--	--	--	2.0	46	310	--	--	--	1.95	2.54
5/28/2009	ND<500	27000	10	680	2.9	43	310	7.7	126	798	--	4.05
12/11/2009	--	--	--	--	--	--	--	--	--	--	1.42	2.35
5/7/2010	--	--	--	--	--	--	--	--	--	--	2.60	3.06
MW-2												
3/9/2009	940	--	--	--	2.0	41	410	--	--	--	0.85	1.32
5/28/2009	ND<1000	44000	4.3	500	1.6	40	370	7.1	138	813	--	1.54
12/11/2009	--	--	--	--	--	--	--	--	--	--	0.47	0.74
5/7/2010	--	--	--	--	--	--	--	--	--	--	1.89	2.39
MW-3												
3/9/2009	ND<500	--	--	--	ND<0.44	38	310	--	--	--	0.94	0.84
5/28/2009	ND<500	12000	49	300	ND<0.44	39	300	7.5	125	667	--	0.91
12/11/2009	--	--	--	--	--	--	--	--	--	--	0.75	1.03
5/7/2010	--	--	--	--	--	--	--	--	--	--	2.35	2.29

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 6129

Date Sampled	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-1		
3/9/2009	8	24
5/28/2009	70	--
12/11/2009	32	21
5/7/2010	211	205
MW-2		
3/9/2009	39	56
5/28/2009	80	--
12/11/2009	29	-10
5/7/2010	208	204
MW-3		
3/9/2009	14	32
5/28/2009	66	--
12/11/2009	44	35
5/7/2010	209	204

COORDINATED EVENT DATA

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
Monitoring Well Samples														
MW1	07/15/92	---	---	Well installed.										
MW1	07/17/92	---	192.00	33.02	158.98	No	67	---	6.6	6.9	2.0	4.5	17	---
MW1	10/22/92	---	192.00	34.07	157.93	No	<50	---	2.9	<0.5	<0.5	<0.5	16	---
MW1	02/04/93	---	192.00	29.43	162.57	No	<50	---	0.8	<0.5	<0.5	<0.5	4	---
MW1	05/03/93	---	192.00	29.72	162.28	No	71	---	2.8	7.2	2.2	22	40	---
MW1	07/30/93	---	192.00	32.95	159.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	5	---
MW1	10/19/93	---	192.00	34.34	157.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW1	02/23/94	---	192.00	31.72	160.28	No	<50	---	<0.5	<0.5	<0.5	<0.5	4	---
MW1	06/06/94	---	192.00	31.77	160.23	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW1	08/18/94	---	192.00	33.76	158.24	No	<50	---	<0.5	<0.5	<0.5	<0.5	130	---
MW1	11/15/94	---	192.00	34.08	157.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW1	02/06/95	---	192.00	28.50	163.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	05/10/95	---	192.00	29.30	162.70	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	09/20/99	---	192.00	33.30	158.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<50
MW1	Well destroyed in June 2000.													
MW2	07/15/92	---	---	Well installed.										
MW2	07/17/92	---	194.85	34.65	160.20	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	10/22/92	---	194.85	35.64	159.21	No	<50	---	<0.5	<0.5	<0.5	<0.5	--	---
MW2	02/04/93	---	194.85	31.13	163.72	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	05/03/93	---	194.85	31.08	163.77	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW2	07/30/93	---	194.85	34.34	160.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	14	---
MW2	10/19/93	---	194.85	36.00	158.85	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	02/23/94	---	194.85	33.92	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	06/06/94	---	194.85	33.50	161.35	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	08/18/94	---	194.85	35.38	159.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW2	11/15/94	---	194.85	35.93	158.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW2	02/06/95	---	194.85	30.38	164.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	05/10/95	---	194.85	30.77	164.08	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	09/20/99	---	194.85	35.15	159.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<0.5
MW2	Well destroyed in June 2000.													
MW3	07/15/92	---	---	Well installed.										
MW3	07/17/92	---	196.90	37.24	159.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	50	---
MW3	10/22/92	---	196.90	35.95	160.95	No	<50	---	<0.5	<0.5	<0.5	<0.5	9	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW3	02/04/93	---	196.90	29.85	167.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW3	05/03/93	---	196.90	29.87	167.03	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW3	07/30/93	---	196.90	33.85	163.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	22	---
MW3	10/19/93	---	196.90	35.89	161.01	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW3	02/23/94	---	196.90	32.88	164.02	No	<50	---	<0.5	<0.5	<0.5	<0.5	25	---
MW3	06/06/94	---	196.90	32.40	164.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW3	08/18/94	---	196.90	35.07	161.83	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW3	11/15/94	---	196.90	35.97	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW3	02/06/95	---	196.90	28.39	168.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	05/10/95	---	196.90	28.90	168.00	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	09/20/99	---	196.90	34.68	162.22	No	75.0	1.87	<0.5	11.5	1.8	18.0	<75	<0.5
MW3	Well destroyed in June 2000.													
MW4	03/02/09	---	---	Well installed.										
MW4	03/30/09	---	197.62	30.94	166.68	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	04/02/09	---	197.62	Well surveyed.										
MW4	05/28/09	---	197.62	32.00	165.62	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	08/31/09	---	197.62	35.43	162.19	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	12/11/09	---	197.62	35.01	162.61	No	<50	<0.50	<0.50	0.83	<0.50	1.1	---	---
MW4	**05/07/10**	**---**	**197.62**	**29.11**	**168.51**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
MW5	03/06/09	---	---	Well installed.										
MW5	03/30/09	---	196.35	30.05	166.30	No	4,200	1,900	540	140	<12	310	---	---
MW5	04/02/09	---	196.35	Well surveyed.										
MW5	05/28/09	---	196.35	31.45	164.90	No	5,300	3,600	890	150	<25	140	---	---
MW5	08/31/09	---	196.35	34.70	161.65	No	5,800	3,500	550	<100	<100	<100	---	---
MW5	12/11/09	---	196.35	34.52	161.83	No	4,000b	3,800	230	<100	<100	<100	---	---
MW5	**05/07/10**	**---**	**196.35**	**30.84**	**165.51**	**No**	**2,700b**	**1,700**	**73**	**5.3**	**3.6**	**6.5**	**---**	**---**
MW6	03/09/09	---	---	Well installed.										
MW6	03/30/09	---	192.41	26.94	165.47	No	2,800	4,800	0.91	<0.50	<0.50	<0.50	---	---
MW6	04/02/09	---	192.41	Well surveyed.										
MW6	05/28/09	---	192.41	28.04	164.37	No	2,800	6,000	<100	<100	<100	<100	---	---
MW6	08/31/09	---	192.41	30.57	161.84	No	4,900	6,600	<100	<100	<100	<100	---	---
MW6	12/11/09	---	192.41	30.78	161.63	No	4,900b	6,200	<100	<100	<100	<100	---	---
MW6	**05/07/10**	**---**	**192.41**	**25.42**	**166.99**	**No**	**2,900b**	**3,700**	**2.7**	**<0.50**	**0.74c**	**<1.0**	**---**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW7	03/09/09	---	---	Well installed.										
MW7	03/30/09	---	194.34	29.15	165.19	No	55	66	<0.50	<0.50	<0.50	<0.50	---	---
MW7	04/02/09	---	194.34	Well surveyed.										
MW7	05/28/09	---	194.34	30.16	164.18	No	50	67	<1.0	<1.0	<1.0	<1.0	---	---
MW7	08/31/09	---	194.34	33.31	161.03	No	<50	12	<0.50	0.60	<0.50	<0.50	---	---
MW7	12/11/09	---	194.34	32.71	161.63	No	<50	31	0.78	1.7	0.62	2.4	---	---
MW7	**05/07/10**	**---**	**194.34**	**27.54**	**166.80**	**No**	**510b**	**700**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
MW8	03/04/09	---	---	Well installed.										
MW8	03/30/09	---	192.96	27.35	165.61	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	04/02/09	---	192.96	Well surveyed.										
MW8	05/28/09	---	192.96	28.72	164.24	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	08/31/09	---	192.96	31.93	161.03	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	12/11/09	---	192.96	31.24	161.72	No	<50	<0.50	0.74	1.6	0.59	2.3	---	---
MW8	**05/07/10**	**---**	**192.96**	**25.68**	**167.28**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
MW9	03/05/09	---	---	Well installed.										
MW9	03/30/09	---	195.16	28.31	166.85	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	04/02/09	---	195.16	Well surveyed.										
MW9	05/28/09	---	195.16	29.69	165.47	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	08/31/09	---	195.16	33.20	161.96	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	12/11/09	---	195.16	32.62	162.54	No	<50	<0.50	0.73	1.7	0.54	2.2	---	---
MW9	**05/07/10**	**---**	**195.16**	**26.59**	**168.57**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
Grab Groundwater Samples														
Pit Water	06/14/02	11.5a	---	---	---	---	5,600	12,000	140	840	100	530	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	680	640	2.7	36	18	130	---	---
W-38-B11	11/14/07	38	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B12	11/13/07	15	---	---	---	---	8,400	78	67	<5.0	140	150	---	---
W-40-B13	11/12/07	40	---	---	---	---	<50	0.53	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B14	11/13/07	15	---	---	---	---	2,500	16	1.7	3.0	26	13	---	---
W-38-B15	11/15/07	38	---	---	---	---	18,000	12,000	3,400	2,500	330	2,000	---	---
W-40-B16	11/15/07	40	---	---	---	---	<50	7.7	<0.50	<0.50	<0.50	<0.50	---	---
W-37-B17	11/13/07	37	---	---	---	---	630	2,200	1.8	<0.50	4.1	1.4	---	---
W-38-B18	11/12/07	38	---	---	---	---	4,300	1,400	52	<12	56	96	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
W-35-B19	03/03/09	35	---	---	---	---	4,400	7,100	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B20	03/03/09	35	---	---	---	---	640	440	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B21	03/03/09	35	---	---	---	---	<50	1.4	<0.50	<0.50	<0.50	<1.0	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to March 2009, analyzed using EPA Method 8020/8021B.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dicloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ehter analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
MW1	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW1	Well destroyed in June 2000.	---							
MW2	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW2	Well destroyed in June 2000.	---							
MW3	07/17/92 - 09/20/99	---	Not analyzed for these analytes.						
MW3	Well destroyed in June 2000.	---							
MW4	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	**05/07/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW5	03/30/09	---	<12	17	<12	450	<12	<12	---
MW5	05/28/09	---	<25	<25	<25	530	<25	<25	---
MW5	08/31/09	---	<100	<100	<100	<1,000	<100	<100	---
MW5	12/11/09	---	<100	<100	<100	2,000	<100	<100	---
MW5	**05/07/10**	**---**	**<25**	**<25**	**<25**	**400**	**<25**	**<25**	**---**
MW6	03/30/09	---	<0.50	<0.50	1.3	410	<0.50	0.82	---
MW6	05/28/09	---	<100	<100	<100	<1,000	<100	<100	---
MW6	08/31/09	---	<100	<100	<100	1,100	<100	<100	---
MW6	12/11/09	---	<100	<100	<100	2,600	<100	<100	---
MW6	**05/07/10**	**---**	**<100**	**<100**	**<100**	**<1,000**	**<100**	**<100**	**---**
MW7	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	05/28/09	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---
MW7	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	12/11/09	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---
MW7	**05/07/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**130**	**<0.50**	**<0.50**	**---**
MW8	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---

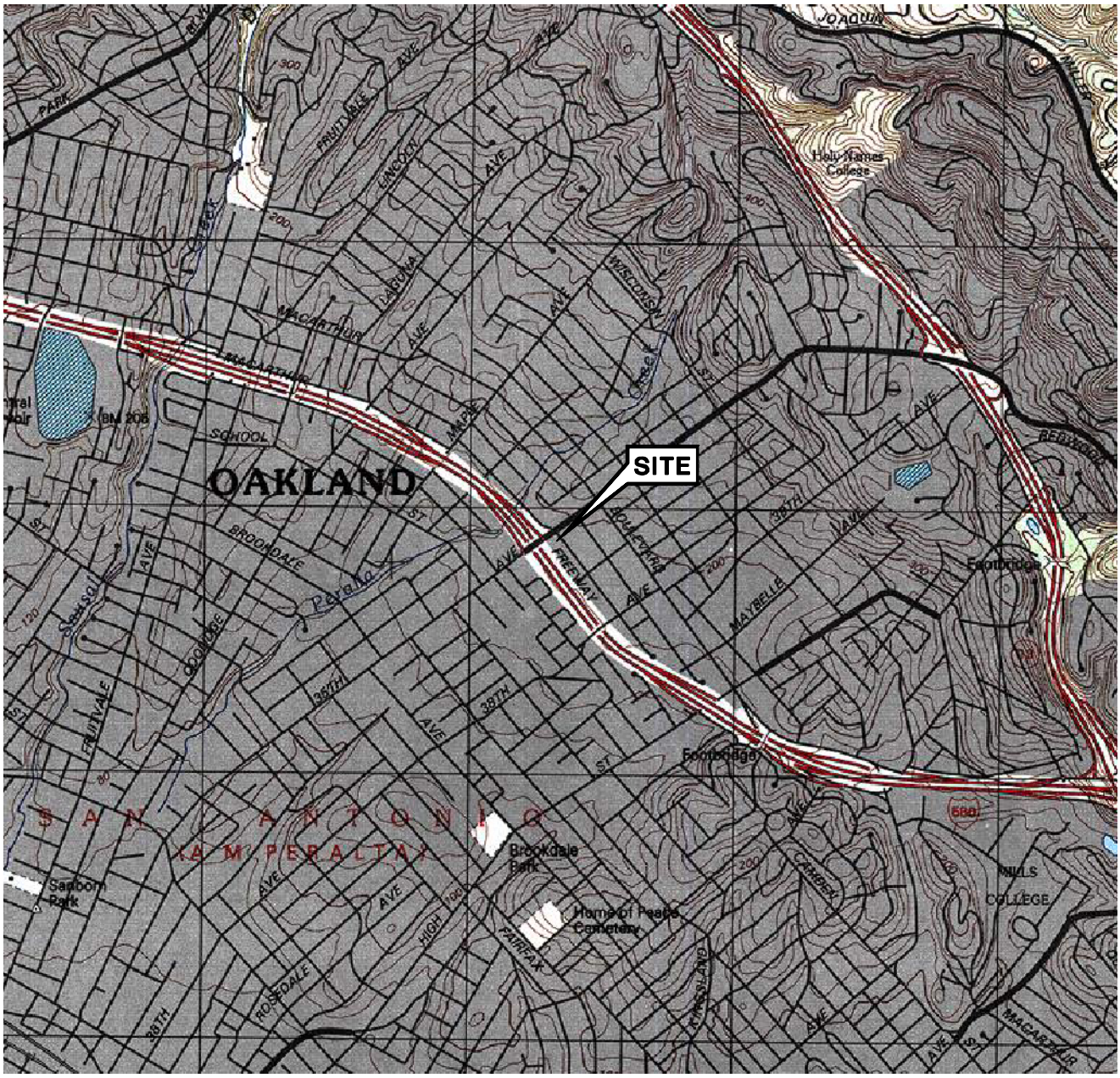
TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW8	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	**05/07/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW9	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	**05/07/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
Grab Groundwater Samples									
Pit Water	06/14/02	11.5a	---	---	---	---	---	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	---	---	---
W-38-B11	11/14/07	38	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B12	11/13/07	15	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<500
W-40-B13	11/12/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B14	11/13/07	15	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<100
W-38-B15	11/15/07	38	<25	<25	<25	1,900	<25	<25	<2,500
W-40-B16	11/15/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	85
W-37-B17	11/13/07	37	<0.50	<0.50	<0.50	58	<0.50	<0.50	<50
W-38-B18	11/12/07	38	<12	<12	<12	<250	<12	<12	<1,200
W-35-B19	03/03/09	35	<50	<50	<50	<500	<50	<50	<5,000
W-35-B20	03/03/09	35	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50
W-35-B21	03/03/09	35	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to March 2009, analyzed using EPA Method 8020/8021B.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dicloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ehter analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.

FIGURES



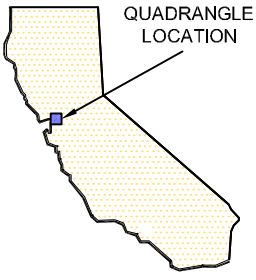
N

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

76 STATION 6129
3420 35TH AVENUE
OAKLAND, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\6129vm.dwg Apr 14, 2010 - 9:10am bschmidt

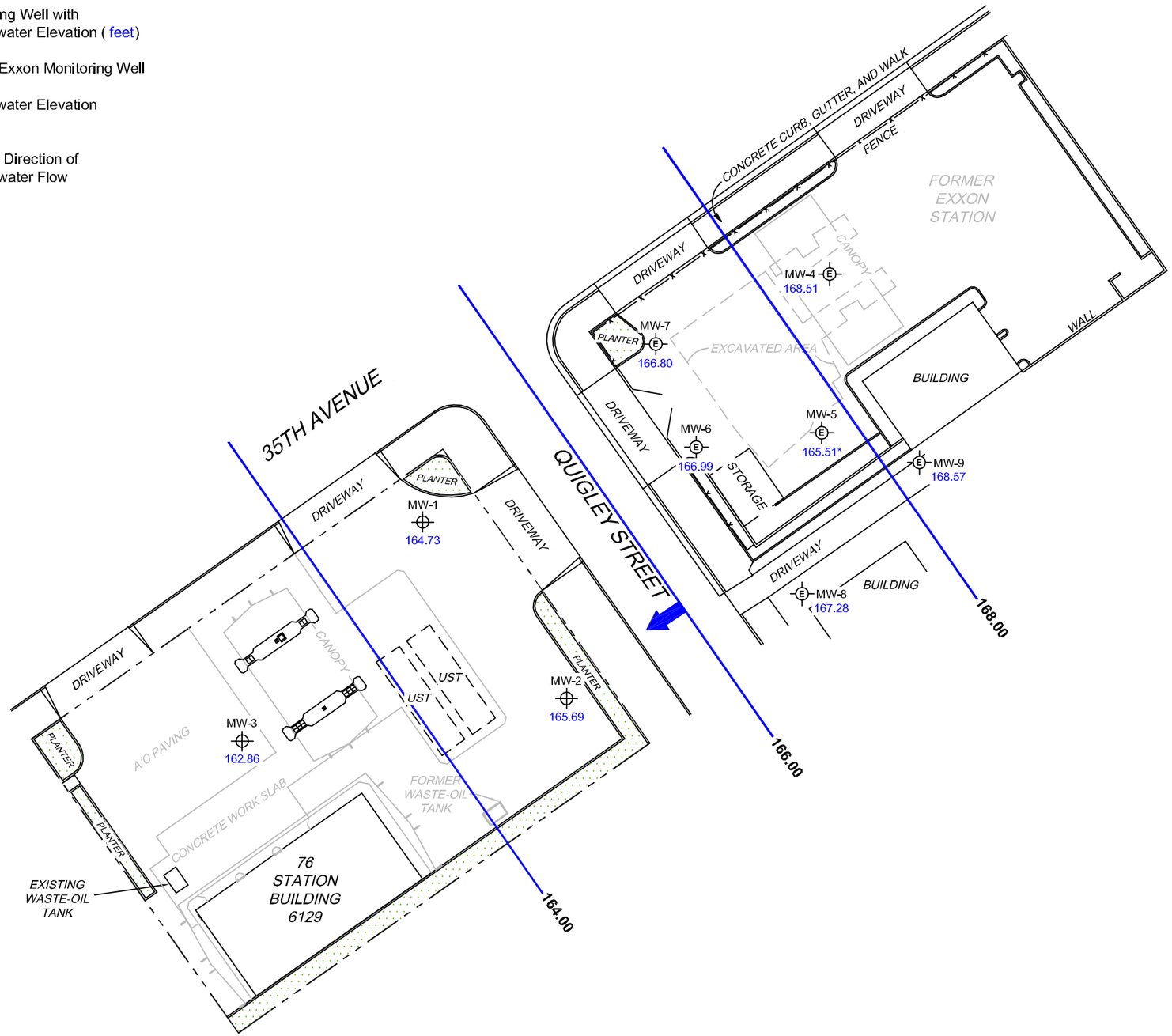
LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well

168.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow



SCALE (FEET)

0 40

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. * = not included in groundwater contour interpretation. UST = underground storage tank. Former Exxon Service Station data provided by ERI.

PROJECT:	173845
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP May 7, 2010	
TRC	**FIGURE 2**

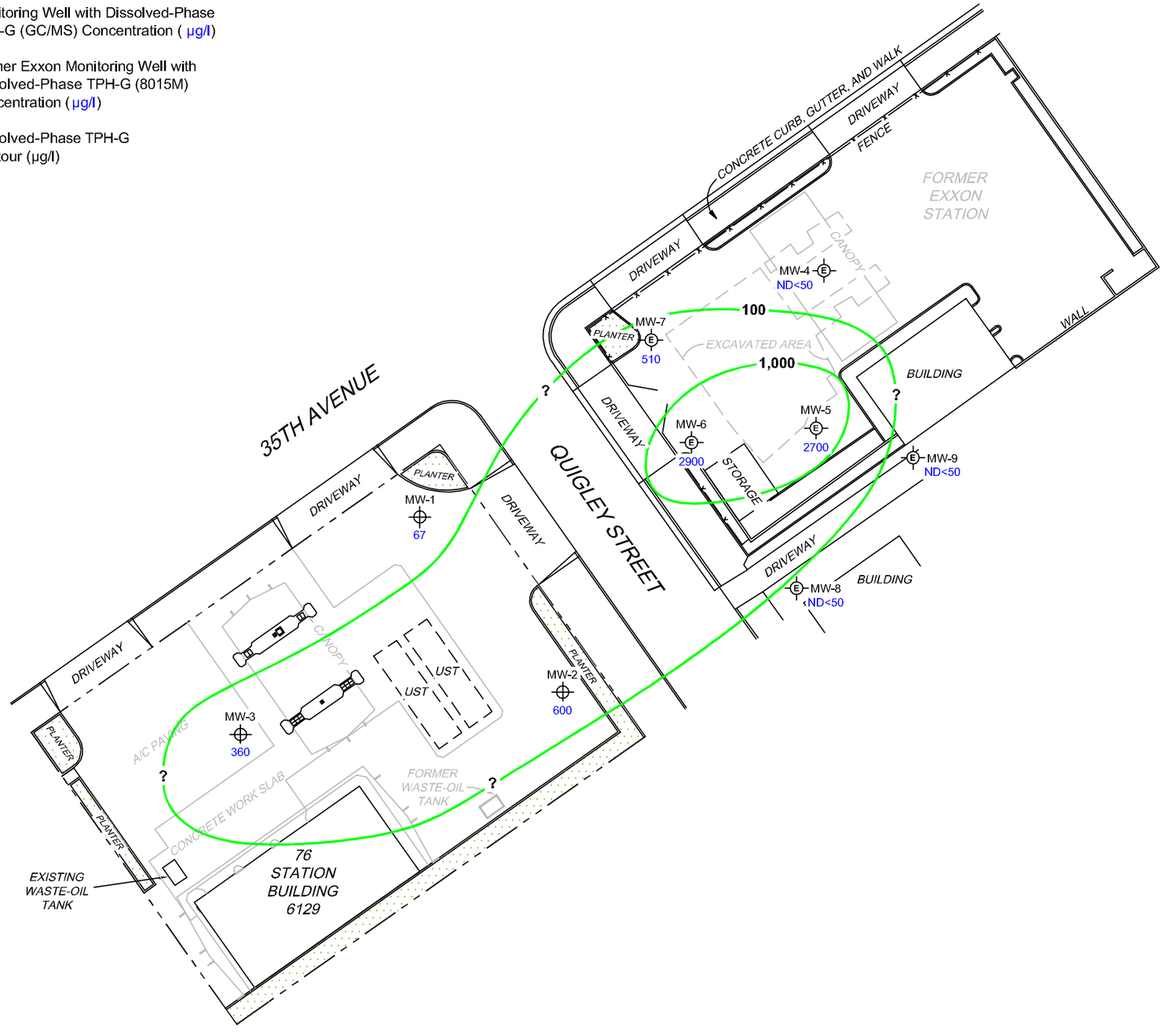
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+6129_QMS.dwg Jun 08, 2010 - 1:38pm bschmidt

LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well with Dissolved-Phase TPH-G (8015M) Concentration (µg/l)

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



SCALE (FEET)

0 40

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. Former Exxon Service Station data provided by ERI; TPH-G (8015M) = total petroleum hydrocarbons as gasoline; results obtained using EPA Method 8015M.

PROJECT:	173845
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE TPH-G CONCENTRATION MAP May 7, 2010	
TRC	**FIGURE 3**

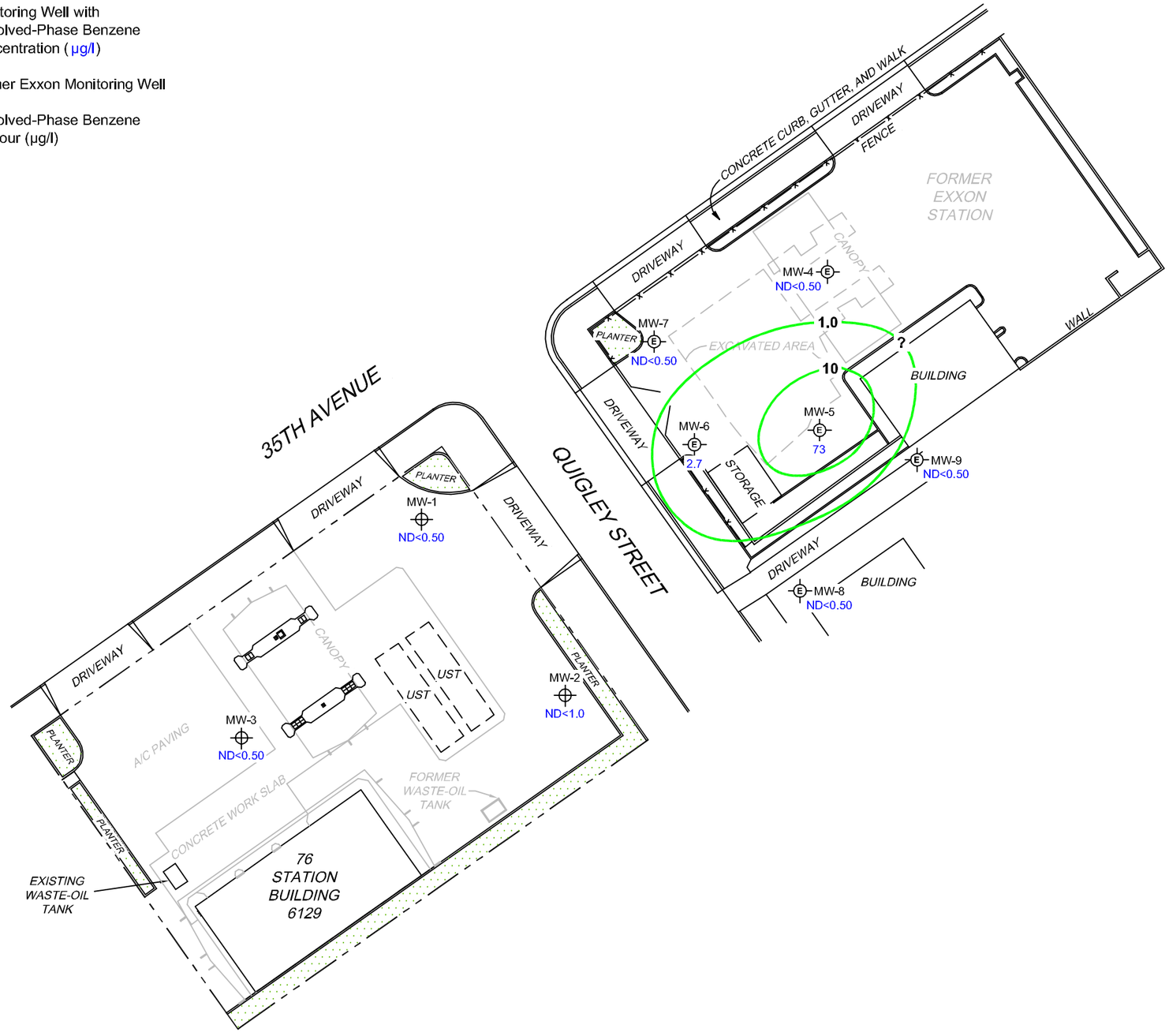
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Jun 08, 2010 - 1:39pm bschmidt

LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well

10 Dissolved-Phase Benzene Contour (µg/l)



SCALE (FEET)

0 40

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Former Exxon Service Station data provided by ERI.

PROJECT:	173845
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE BENZENE CONCENTRATION MAP May 7, 2010	
TRC	**FIGURE 4**

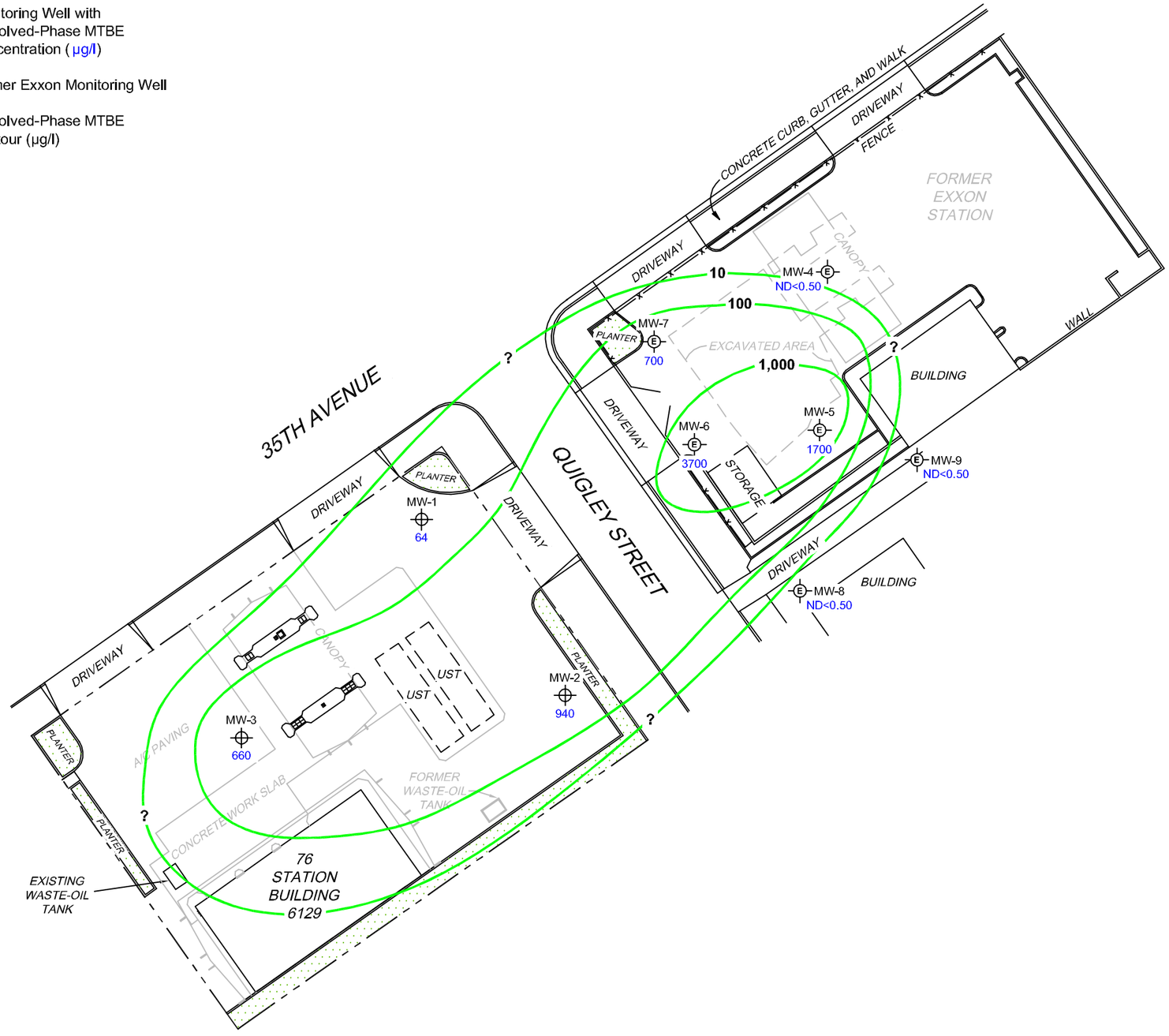
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Jun 08, 2010 - 1:40pm bschmidt

LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well

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



SCALE (FEET)

0 40

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. UST = underground storage tank. Former Exxon Service Station data provided by ERI. Results obtained using EPA Method 8260B.

PROJECT:	173845
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA

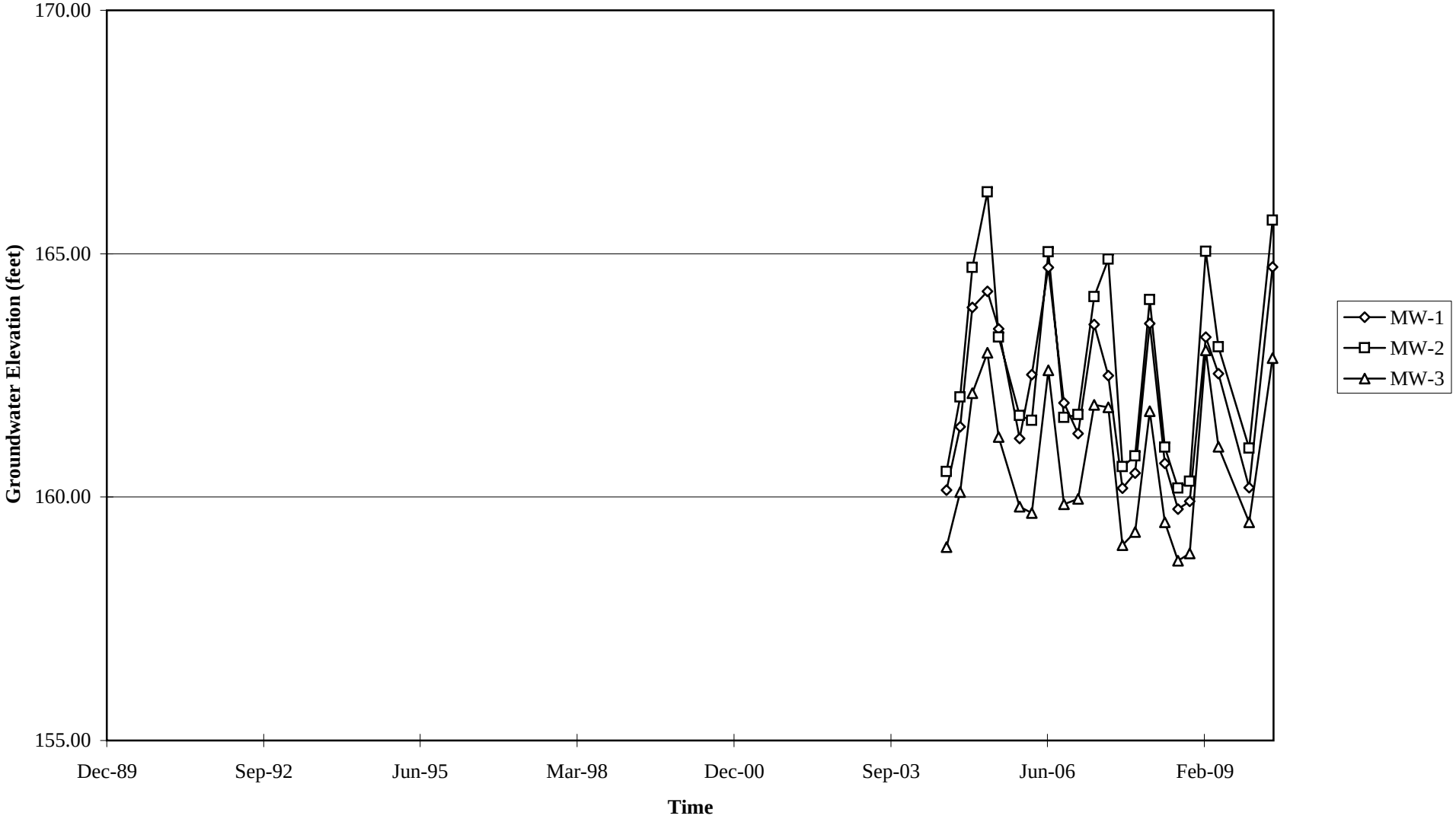
DISSOLVED-PHASE MTBE CONCENTRATION MAP
May 7, 2010

TRC

FIGURE 5

GRAPHS

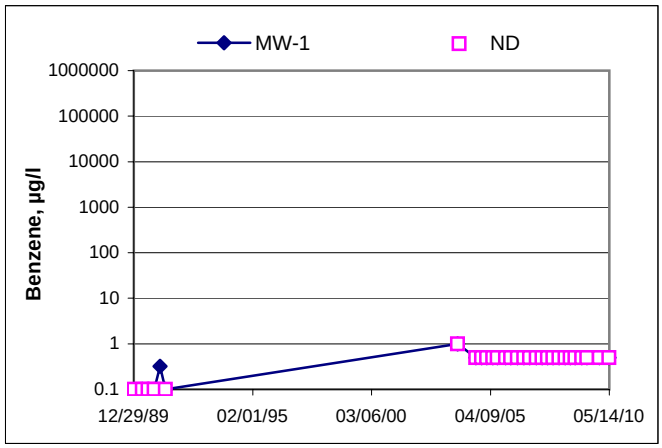
Groundwater Elevations vs. Time
76 Station 6129

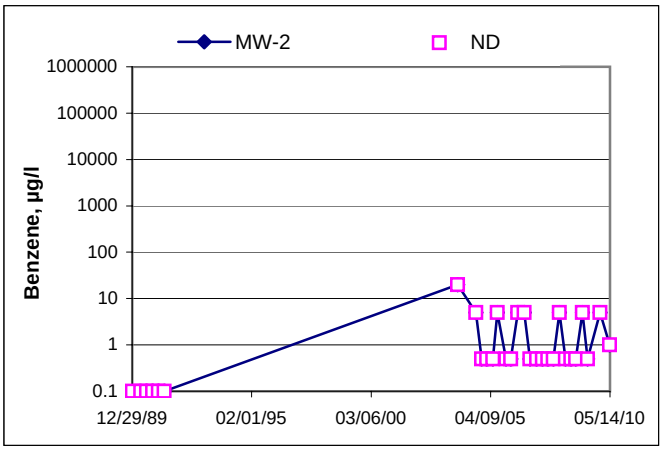


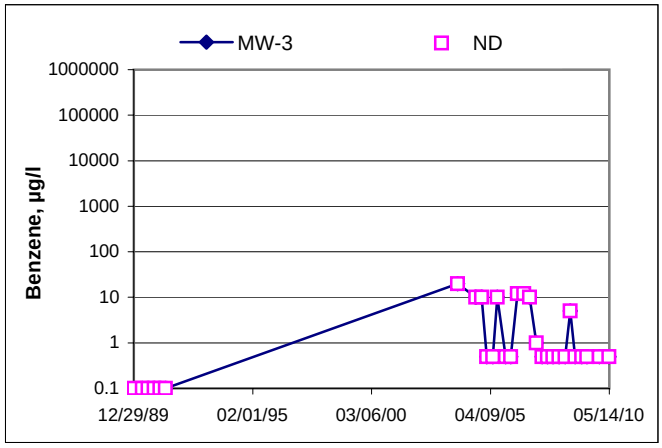
Elevations may have been corrected for apparent changes due to resurvey

Benzene Concentrations vs Time

76 Station 6129

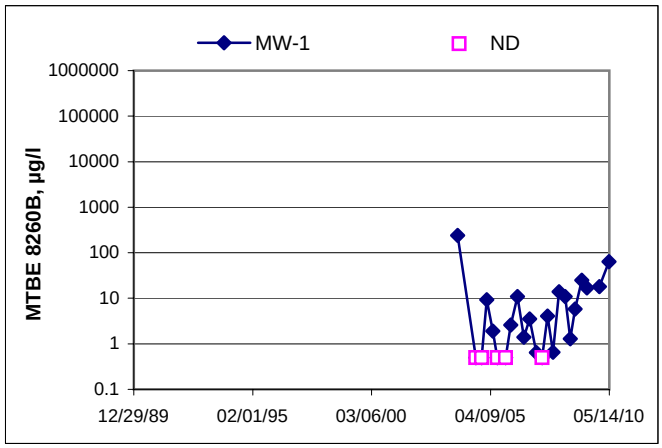


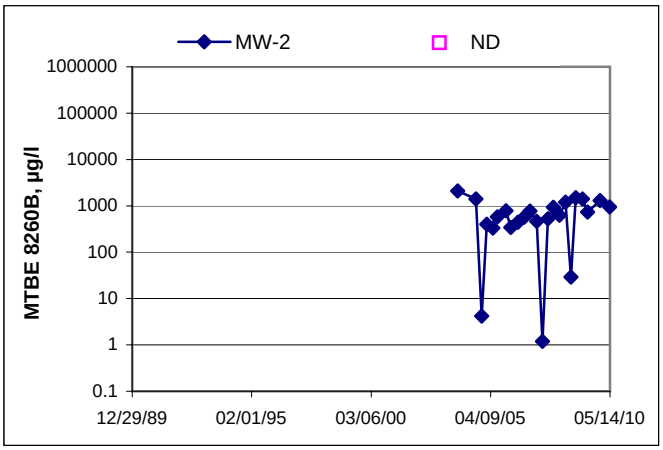


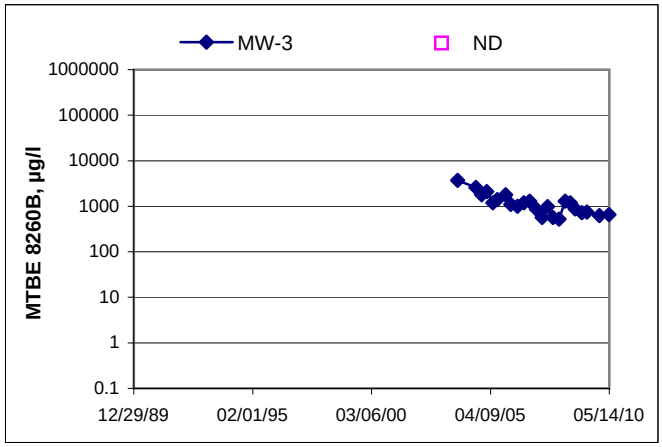


MTBE 8260B Concentrations vs Time

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 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 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 activities. 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: JOE Job #/Task #: 173845/FA20 Date: 05/07/10

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	X	0850	43.50	26.06	—	—	1040	2"
MW-3	X	0853	43.55	25.72	—	—	1032	2"
MW-2	X	0856	39.45	25.11	—	—	1025	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 6129 Project No.: 173845 Date: 05/07/10

Well No. MW-1 Purge Method: HB

Depth to Water (feet): 26.06 Depth to Product (feet): —

Total Depth (feet) 43.50 LPH & Water Recovered (gallons): —

Water Column (feet): 17.44 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 29.54 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							3.06	211	
0939			3	797.2	19.8	6.72	2.88	207	
			6	813.4	20.1	6.69	2.86	206	
	0959		9	829.5	20.3	6.77	2.60	205	

Static at Time Sampled	Total Gallons Purged	Sample Time
26.25	9	1040

Comments:

Well No. MW-3 Purge Method: HB

Depth to Water (feet): 25.72 Depth to Product (feet): —

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

Water Column (feet): 17.83 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 29.28 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							2.29	209	
0906			4	575.2	18.9	6.89	2.60	208	
			8	588.4	18.6	7.07	2.37	203	
	0929		12	573.5	18.7	6.94	2.35	204	

Static at Time Sampled	Total Gallons Purged	Sample Time
25.93	12	1032

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 6129 Project No.: 173845 Date: 05/07/10

Well No. MW-2 Purge Method: SUB

Depth to Water (feet): 25.11 Depth to Product (feet): —

Total Depth (feet) 39.45 LPH & Water Recovered (gallons): —

Water Column (feet): 14.34 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 27.97 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							2.39	208	
1010			3	687.1	20.6	6.65	2.11	208	
			6	704.4	20.8	6.45	1.89	204	
	1013		9	753.9	20.	6.30	1.89	204	

Static at Time Sampled	Total Gallons Purged	Sample Time
27.78	9	1025

Comments:

Well No. _____ Purge Method: _____

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

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

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

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

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 05/19/2010

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 6129
BC Work Order: 1006364
Invoice ID: B080458

Enclosed are the results of analyses for samples received by the laboratory on 5/7/2010. 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

Table of Contents

Chain of Custody and Cooler Receipt Form for 1006364 Page 1 of 2

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

10-06364

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 # 04583-451298121 9
State: CA Zip:	Project #: 173845
Conoco Phillips Mgr: Terry Grayson	Sampler Name: JOE

MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	EDB/EDC by 8260B			Turnaround Time Requested
		MW-1	05/07/10 1040	GW					X	X	X	X			STD
		MW-3	✓ 1032	✓					✓	✓	✓	✓			✓
		MW-2	✓ 1025	✓					✓	✓	✓	✓			✓

CHK BY [initials] DISTRIBUTION SUB-OUT ☐

Comments:

GLOBAL ID: T0600101465

Relinquished by: (Signature)	Received by:	Date & Time
Joe D. [signature]	Ross Dickey	05/07/10 1210
Ross Dickey 5/7/10	R [signature]	5-7-10 1646
R [signature] 5-7-10 2230	[signature]	5-7-10 2230

Chain of Custody and Cooler Receipt Form for 1006364 Page 2 of 2

B C LABORATORIES INC. SAMPLE RECEIPT FORM

Submission #: 10-06364

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
B C 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: 0.98 Container: VOA Thermometer ID: #177 Date/Time 5/7/10

Temperature: A 1.7 °C / C 1.3 °C Analyst Init 2230

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										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A	A	A							
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: 5/7/10 2311
A = Actual / C = Corrected
[H:\DOCS\WP60\LAB_DOCS\FORMS\SAMREC2.WPD]

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1006364-01	**COC Number:**	---	**Receive Date:** 05/07/2010 22:30
	Project Number:	6129	**Sampling Date:** 05/07/2010 10:40
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1	**Sample Matrix:** Water
	Sampled By:	TRCI	Delivery Work Order:
			Global ID: T0600101465
			Location ID (FieldPoint): MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1006364-02	**COC Number:**	---	**Receive Date:** 05/07/2010 22:30
	Project Number:	6129	**Sampling Date:** 05/07/2010 10:32
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-3	**Sample Matrix:** Water
	Sampled By:	TRCI	Delivery Work Order:
			Global ID: T0600101465
			Location ID (FieldPoint): MW-3
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1006364-03	**COC Number:**	---	**Receive Date:** 05/07/2010 22:30
	Project Number:	6129	**Sampling Date:** 05/07/2010 10:25
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-2	**Sample Matrix:** Water
	Sampled By:	TRCI	Delivery Work Order:
			Global ID: T0600101465
			Location ID (FieldPoint): MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1006364-01 | **Client Sample Name:** 6129, MW-1, 5/7/2010 10:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**64**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**67**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	95.2	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/13/10	05/14/10 06:30	KEA	MS-V12	1	BTE0795

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1006364-02 | **Client Sample Name:** 6129, MW-3, 5/7/2010 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**660**	**ug/L**	**5.0**	**EPA-8260**	**ND**	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**360**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	97.0	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	99.8	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	97.4	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.7	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/13/10	05/14/10 06:11	KEA	MS-V12	1	BTE0795
2	EPA-8260	05/13/10	05/15/10 13:00	KEA	MS-V12	10	BTE0795

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1006364-03 | **Client Sample Name:** 6129, MW-2, 5/7/2010 10:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	EPA-8260	ND	A01	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethylbenzene	ND	ug/L	1.0	EPA-8260	ND	A01	1
Methyl t-butyl ether	**940**	**ug/L**	**6.2**	**EPA-8260**	**ND**	**A01**	2
Toluene	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	2.0	EPA-8260	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
t-Butyl alcohol	ND	ug/L	20	EPA-8260	ND	A01	1
Diisopropyl ether	**14**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Ethanol	ND	ug/L	500	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**600**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	94.8	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	94.9	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	97.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.2	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	96.4	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.3	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	05/13/10	05/17/10 14:29	KEA	MS-V12	2	BTE0795
2	EPA-8260	05/13/10	05/15/10 12:42	KEA	MS-V12	12.500	BTE0795

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTE0795						
Benzene	BTE0795-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTE0795-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTE0795-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTE0795-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTE0795-BLK1	ND	ug/L	0.50		
Toluene	BTE0795-BLK1	ND	ug/L	0.50		
Total Xylenes	BTE0795-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTE0795-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTE0795-BLK1	ND	ug/L	10		
Diisopropyl ether	BTE0795-BLK1	ND	ug/L	0.50		
Ethanol	BTE0795-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTE0795-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTE0795-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTE0795-BLK1	99.8	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTE0795-BLK1	99.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTE0795-BLK1	98.4	%	86 - 115 (LCL - UCL)		

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BTE0795										
Benzene	BTE0795-BS1	LCS	21.800	25.000	ug/L	87.2		70 - 130		
Toluene	BTE0795-BS1	LCS	21.300	25.000	ug/L	85.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTE0795-BS1	LCS	10.170	10.000	ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BTE0795-BS1	LCS	10.080	10.000	ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTE0795-BS1	LCS	10.090	10.000	ug/L	101		86 - 115		

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTE0795	Used client sample: N										
Benzene	MS	1005654-51	ND	26.110	25.000	ug/L		104		70 - 130	
	MSD	1005654-51	ND	26.330	25.000	ug/L	0.8	105	20	70 - 130	
Toluene	MS	1005654-51	ND	25.540	25.000	ug/L		102		70 - 130	
	MSD	1005654-51	ND	25.650	25.000	ug/L	0.4	103	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1005654-51	ND	10.080	10.000	ug/L		101		76 - 114	
	MSD	1005654-51	ND	9.9900	10.000	ug/L		99.9		76 - 114	
Toluene-d8 (Surrogate)	MS	1005654-51	ND	10.100	10.000	ug/L		101		88 - 110	
	MSD	1005654-51	ND	10.090	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1005654-51	ND	9.8200	10.000	ug/L		98.2		86 - 115	
	MSD	1005654-51	ND	10.150	10.000	ug/L		102		86 - 115	

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/19/2010 8:34
Project: 6129
Project Number: 4512981218
Project Manager: Anju Farfan

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.

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring wells is accumulated at TRC's groundwater monitoring field office at Concord, California, for transportation by a licensed carrier to an authorized disposal facility. Currently, non-hazardous purge water is transported under a bulk non-hazardous waste manifest to Crosby and Overton, Inc. in Long Beach, California.

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.