ConocoPhillips
76 Broadway
Sacramento, California 95818

RECEIVED

9:16 am, Feb 01, 2011
Alameda County
Environmental Health

January 26, 2011

Ms. Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Semi-Annual Summary Report Transmittal**
Third Quarter through Fourth Quarter 2010
76 Service Station #6129
3420 35th Avenue
Oakland, California

Dear Ms. Jakub:

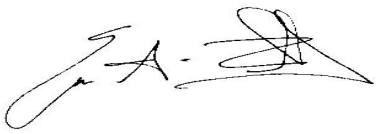
I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or need additional information, please call:

Ted Moise (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818

Phone: (510) 245-5162
Fax: (918) 662-4480
Ted.Moise@contractor.conocophillips.com

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

Attachment

SEMI-ANNUAL SUMMARY REPORT
Third Quarter through Fourth Quarter 2010

76 Station 6129
3420 35th Ave
Oakland, CA

Antea Group Project No. C1Q6129010

January 26, 2011

Prepared for:
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Prepared by:
Antea™Group
11050 White Rock Road
Suite 110
Rancho Cordova, CA
95670

Inogen Environmental Alliance

Antea USA, Inc.

Antea Group
11050 White Rock Road, Suite 110
Rancho Cordova, California 95670
www.anteagroup.com

January 26, 2011

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

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

Dear Ms. Jakub:

Due to global rebranding, as of January 5, 2011 Delta Consultants has become Antea Group. Any reports submitted prior to this date will still be referenced as Delta reports.

On behalf of ConocoPhillips Company (COP), Antea Group (Antea) is submitting the *Semi-Annual Summary Report – Third Quarter through Fourth Quarter 2010* and forwarding a copy of TRC Solutions, Inc. (TRC's) *Groundwater Monitoring Report – October through December 2010,* dated December 10, 2010, for the following location:

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

Sincerely,
ANTEA GROUP

James B. Barnard

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

cc: Mr. Ted Moise, ConocoPhillips (electronic copy)

Inogen

SEMI-ANNUAL SUMMARY REPORT
Third Quarter through Fourth 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 consists of three onsite wells (MW-1, 2, 3), and 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 November 1, 2010, the depth to groundwater ranged from 29.29 feet (MW-3) to 30.18 feet (MW-1) below top of casing (TOC). Average groundwater elevation is 160.27 feet above mean sea level, which is a decrease of 4.16 feet since the previous sampling event (5/7/09). The current groundwater gradient and flow direction was interpreted to be 0.01 feet per foot (ft/ft) to the southwest. This is consistent with a gradient and flow direction of 0.02 ft/ft to the southwest during the previous sampling event. This is also consistent with a historical groundwater flow direction of southwest.

A historical groundwater flow direction rose diagram is included as Attachment A.

Contaminants of Concern:

- **TPHg:** TPHg was above laboratory indicated reporting limits in the groundwater samples collected from two of the three wells sampled, with a maximum concentration of 140 µg/L in MW-2 during the current sampling event. This is a decrease from a maximum concentration of 600 µg/L in MW-2 during the previous sampling event (5/7/09). Well MW-3 was reported with a concentration of 120 µg/L 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 730 µg/L in MW-2 during the current sampling event. This is a decrease from a maximum concentration of 940 µg/L in MW-2 during the previous sampling

event. Wells MW-1 and MW-3 were reported with concentration of 92 µg/L and 490 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 28 µg/L in MW-2 during the current sampling event. This is an increase from a maximum concentration of 14 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.

Contaminant concentration contour maps provided in the *Groundwater Monitoring Report – October through December 2010* from TRC indicated that TPHg and MTBE concentrations onsite are, at least in part, derived from a source located at the Former Exxon site across Quigley Street (currently an active Valero case).

Delta submitted a *Proposed Monitoring Well Addendum Letter* on January 25, 2010 based on cross-sections and the CPT boring results, proposing installation of a total of 4 wells (two wells per water bearing units). MW-4S and MW-4D will be located in the westernmost corner of the station in the vicinity of B-18. MW-5S and MW-5D will be located near boring B-20 in the northeastern drive way along Quigley Street. At each location, the two wells will be placed in close proximity to one another, with differing screen intervals. One well will be screened from 30 to 40 feet bgs, while the other will be screened from 40 to 50 feet bgs. This will allow possible water sampling from a wider range of depth while limiting screen length in each well to ten feet. The purpose of the wells located near B-20 will be to identify contaminants migrating from the Exxon site across Quigley Street. The purpose of the wells near B-18 will be to identify if contaminants are migrating offsite.

Groundwater monitoring is ongoing.

RECENT CORRESPONDENCE

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

WASTE DISPOSAL SUMMARY

No waste has been generated at this site recently.

THIRD QUARTER THROUGH FOURTH QUARTER ACTIVITIES

1. TRC conducted semi-annual monitoring and sampling activities on November 1, 2010, and presented their results in the *Groundwater Monitoring Report – October through December* 2010, dated December 10, 2010.

FIRST QUARTER THROUGH SECOND QUARTER 2011 PLANNED ACTIVITIES

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

2. Antea will prepare a semi-annual summary report.

3. Upon agency approval of the *Proposed Monitoring Well Addendum Letter*, dated January 25, 2010, Antea will install four new monitoring wells onsite and prepare a report.

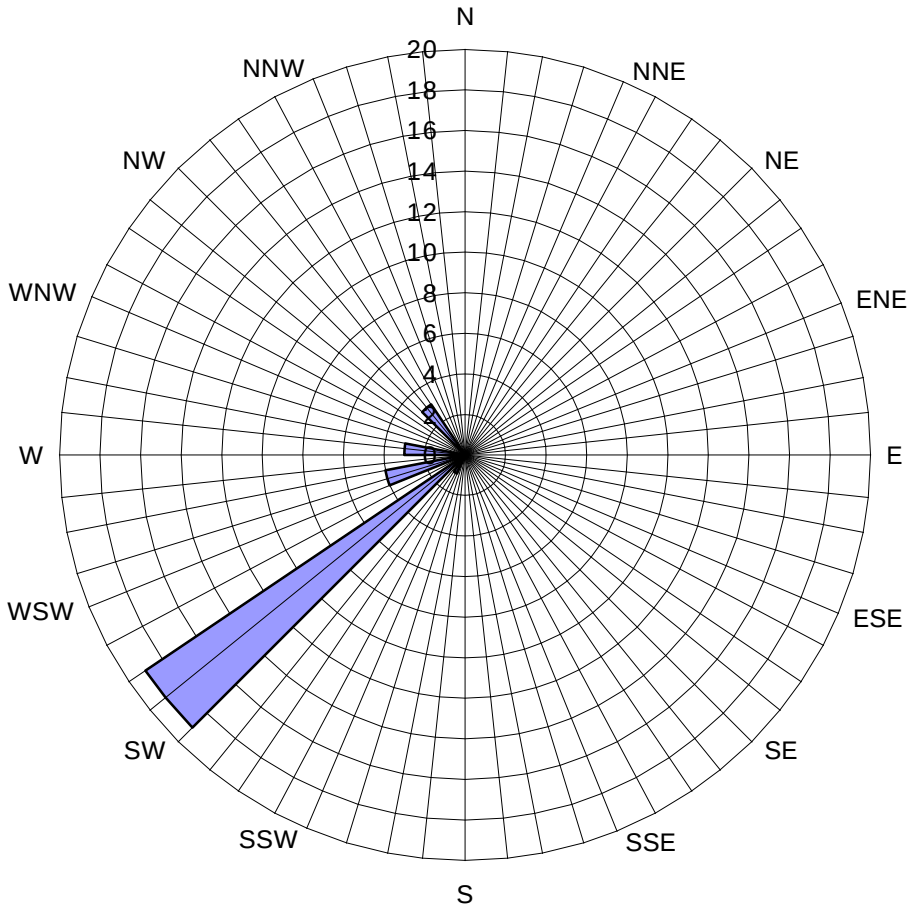
CONSULTANT: ANTEA GROUP

******

Attachment A – Historic Groundwater Flow Directions (Rose) Diagram
Attachment B – Groundwater Monitoring Report – October through December 2010

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 Fourth Quarter 2010.
30 data points shown.

Groundwater Flow Direction

ATTACHMENT B
Groundwater Monitoring Report – October through December 2010

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: December 10, 2010

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 94563

ATTN: MR. TED MOISE

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

RE: GROUNDWATER MONITORING REPORT
OCTOBER THROUGH DECEMBER 2010

Dear Mr. Moise:

Please find enclosed our Groundwater 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:
20-0400/6129R26.QMS

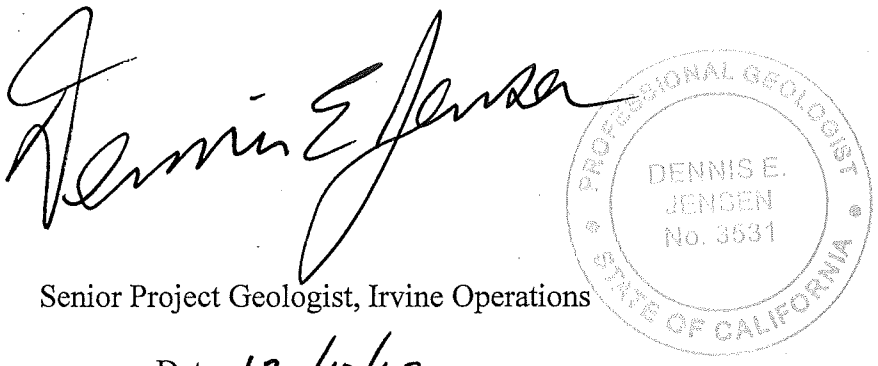
GROUNDWATER MONITORING REPORT
OCTOBER THROUGH DECEMBER 2010

76 STATION 6129
3420 35th Avenue
Oakland, California

Prepared For:

Mr. Ted Moise
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, CA 94563

By:



Senior Project Geologist, Irvine Operations

Date: 12/10/10

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 – 11/1/10 Groundwater Sampling Field Notes – 11/1/10
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

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

Project Coordinator: **Ted Moise**
Telephone: **510-245-5162**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **11/1/2010**

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: **29.29 feet** Maximum: **30.18 feet**
Average groundwater elevation (relative to available local datum): **160.27 feet**
Average change in groundwater elevation since previous event: **-4.16 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.01 ft/ft, southwest**
Previous event: **0.02 ft/ft, southwest (5/7/2010)**

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: **140 µg/l (MW-2)**
Sample Points with **MTBE 8260B** **3** Maximum: **730 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

November 1, 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)**											
11/1/2010	190.79	30.18	0.00	160.61	-4.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	92	
MW-2			**(Screen Interval in feet: 25-45)**											
11/1/2010	190.80	29.90	0.00	160.90	-4.79	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	730	
MW-3			**(Screen Interval in feet: 25-45)**											
11/1/2010	188.58	29.29	0.00	159.29	-3.57	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	490	

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											
11/1/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.54	2.30	150	163
MW-2											
11/1/2010	ND<10	ND<250	ND<0.50	ND<0.50	28	ND<0.50	ND<0.50	1.12	1.22	96	158
MW-3											
11/1/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.98	1.22	142	148

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 1990 Through November 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 November 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	
11/1/2010	190.79	30.18	0.00	160.61	-4.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	92	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
January 1990 Through November 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														
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	
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	
11/1/2010	190.80	29.90	0.00	160.90	-4.79	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	730	
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	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
January 1990 Through November 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														
11/13/2003	--	--	--	--	--	--	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	
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
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
January 1990 Through November 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														
11/1/2010	188.58	29.29	0.00	159.29	-3.57	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	490	

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	--	--	--	--	--
11/1/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
MW-2												

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												
11/13/2003	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80	--	--	--	--	--
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	--	--	--	--	--
11/1/2010	ND<10	ND<250	ND<0.50	ND<0.50	28	ND<0.50	ND<0.50	--	--	--	--	--

MW-3

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												
11/13/2003	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	--	--	--	--	--
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	--	--	--	--	--
11/1/2010	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
11/1/2010	--	--	--	--	--	--	--	--	--	--	0.54	2.30
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
11/1/2010	--	--	--	--	--	--	--	--	--	--	1.12	1.22
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
11/1/2010	--	--	--	--	--	--	--	--	--	--	0.98	1.22

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
11/1/2010	150	163
MW-2		
3/9/2009	39	56
5/28/2009	80	--
12/11/2009	29	-10
5/7/2010	208	204
11/1/2010	96	158
MW-3		
3/9/2009	14	32
5/28/2009	66	--
12/11/2009	44	35
5/7/2010	209	204
11/1/2010	142	148

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	---	---
MW4	**11/01/10**	**---**	**197.62**	**34.95**	**162.67**	**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	---	---
MW5	**11/01/10**	**---**	**196.35**	**33.93**	**162.42**	**No**	**2,400b**	**3,400**	**320**	**71**	**21**	**40**	**---**	**---**
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	---	---

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)
MW6	05/07/10	---	192.41	25.42	166.99	No	2,900b	3,700	2.7	<0.50	0.74c	<1.0	---	---
MW6	**11/01/10**	**---**	**192.41**	**30.68**	**161.73**	**No**	**850b**	**6,100**	**2.1**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
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	---	---
MW7	**11/01/10**	**---**	**194.34**	**32.82**	**161.52**	**No**	**68b**	**140**	**<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	---	---
MW8	**11/01/10**	**---**	**192.96**	**31.18**	**161.78**	**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	---	---
MW9	**11/01/10**	**---**	**195.16**	**32.45**	**162.71**	**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	---	---

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-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	---	---
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	---
MW4	**11/01/10**	**---**	**<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	---
MW5	**11/01/10**	**---**	**<50**	**<50**	**<50**	**1,500**	**<50**	**<50**	**---**
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	---
MW6	**11/01/10**	**---**	**<50**	**<50**	**<50**	**2,400**	**<50**	**<50**	**---**
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	---

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)
MW7	05/07/10	---	<0.50	<0.50	<0.50	130	<0.50	<0.50	---
MW7	**11/01/10**	**---**	**<2.5**	**<2.5**	**<2.5**	**27**	**<2.5**	**<2.5**	**---**
MW8	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
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	---
MW8	**11/01/10**	**---**	**<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	---
MW9	**11/01/10**	**---**	**<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
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Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

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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.
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DIPE	=	Di-isopropyl ehter analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
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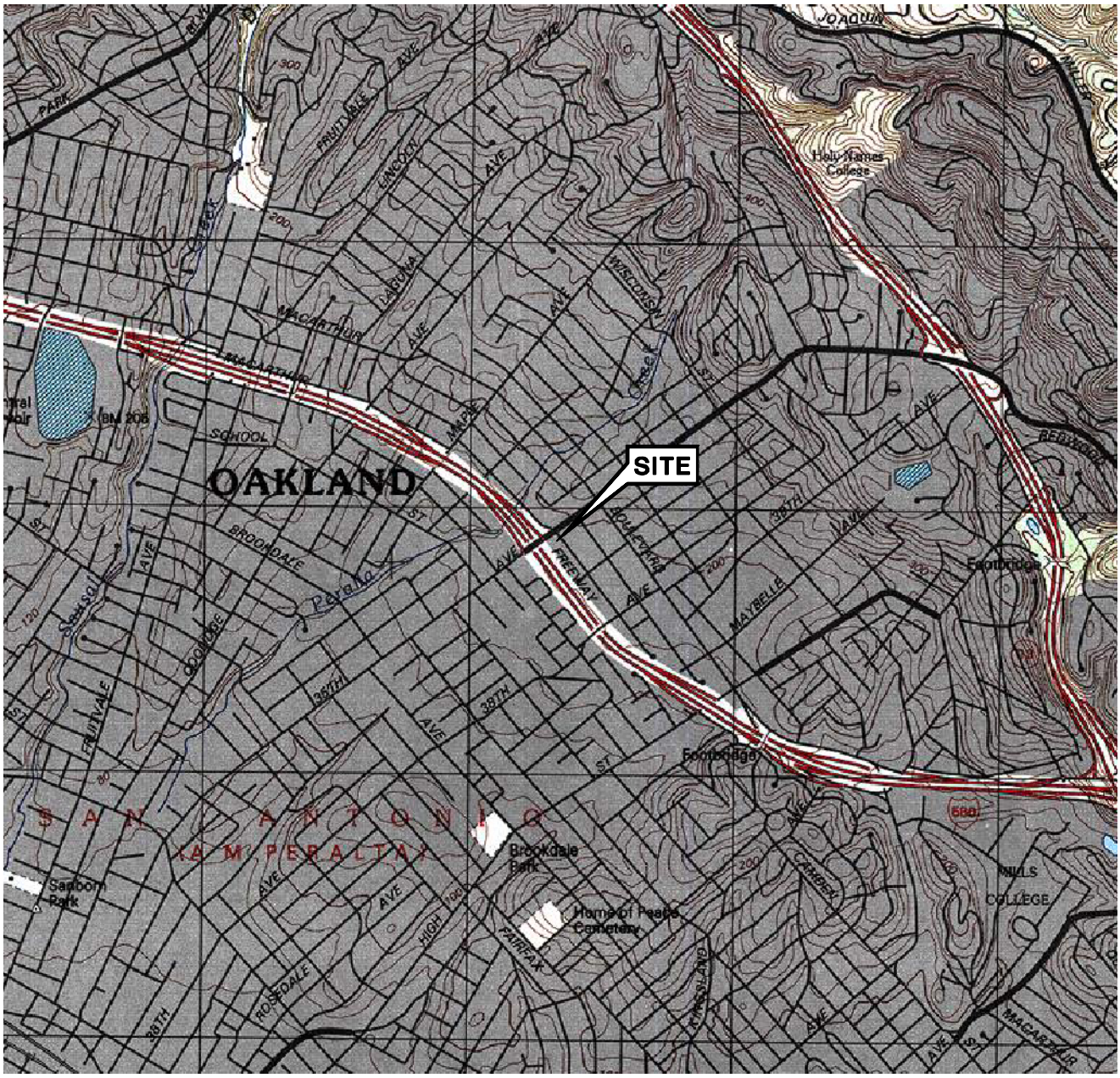
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.

FIGURES



N

SOURCE:

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

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

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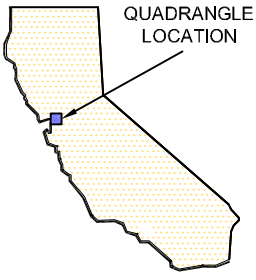


TRC

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

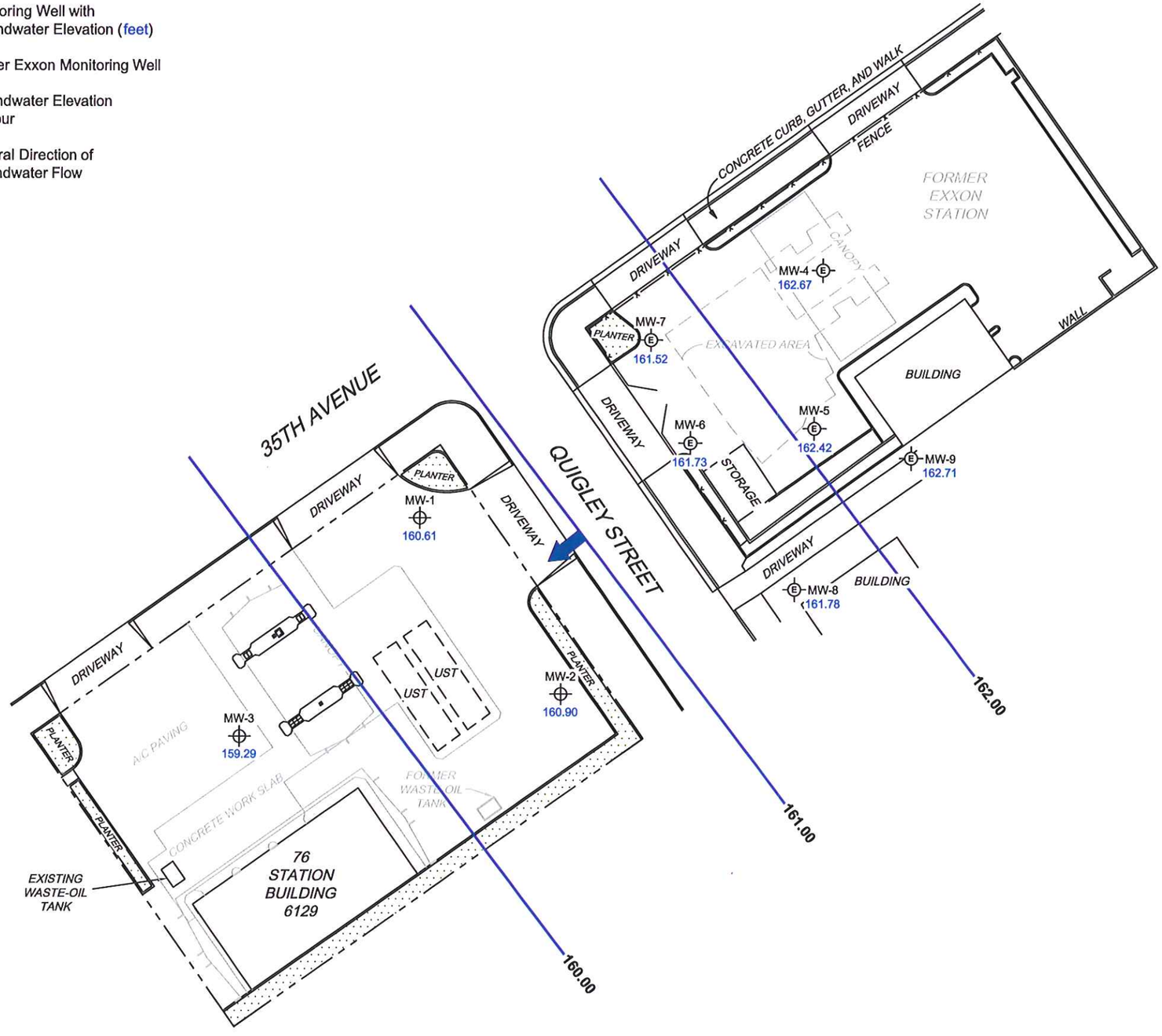
LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well

162.00 — 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. 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 November 1, 2010	
TRC	**FIGURE 2**

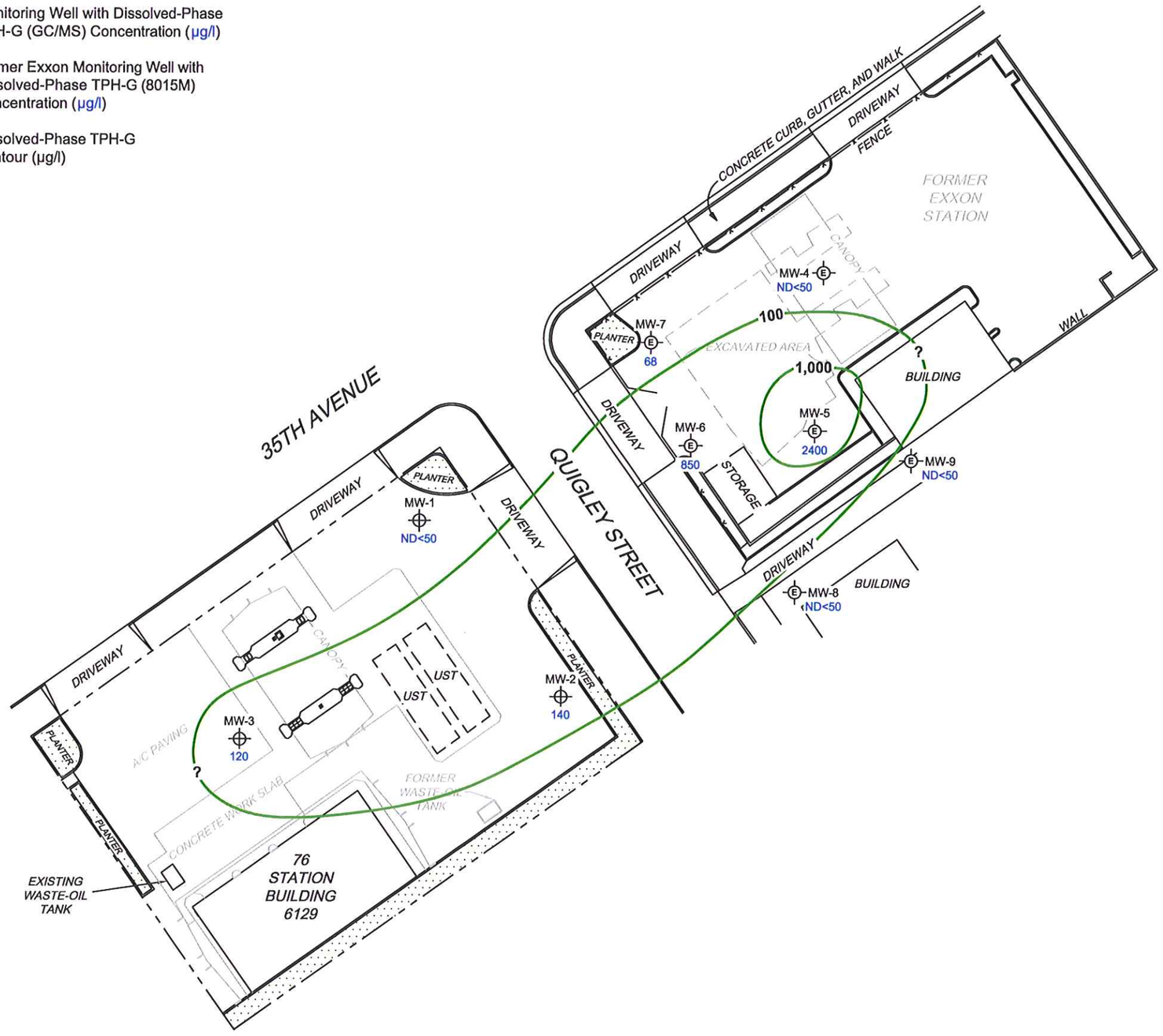
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Dec 09, 2010 - 3:25pm bschmidt

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 November 1, 2010	
TRC	**FIGURE 3**

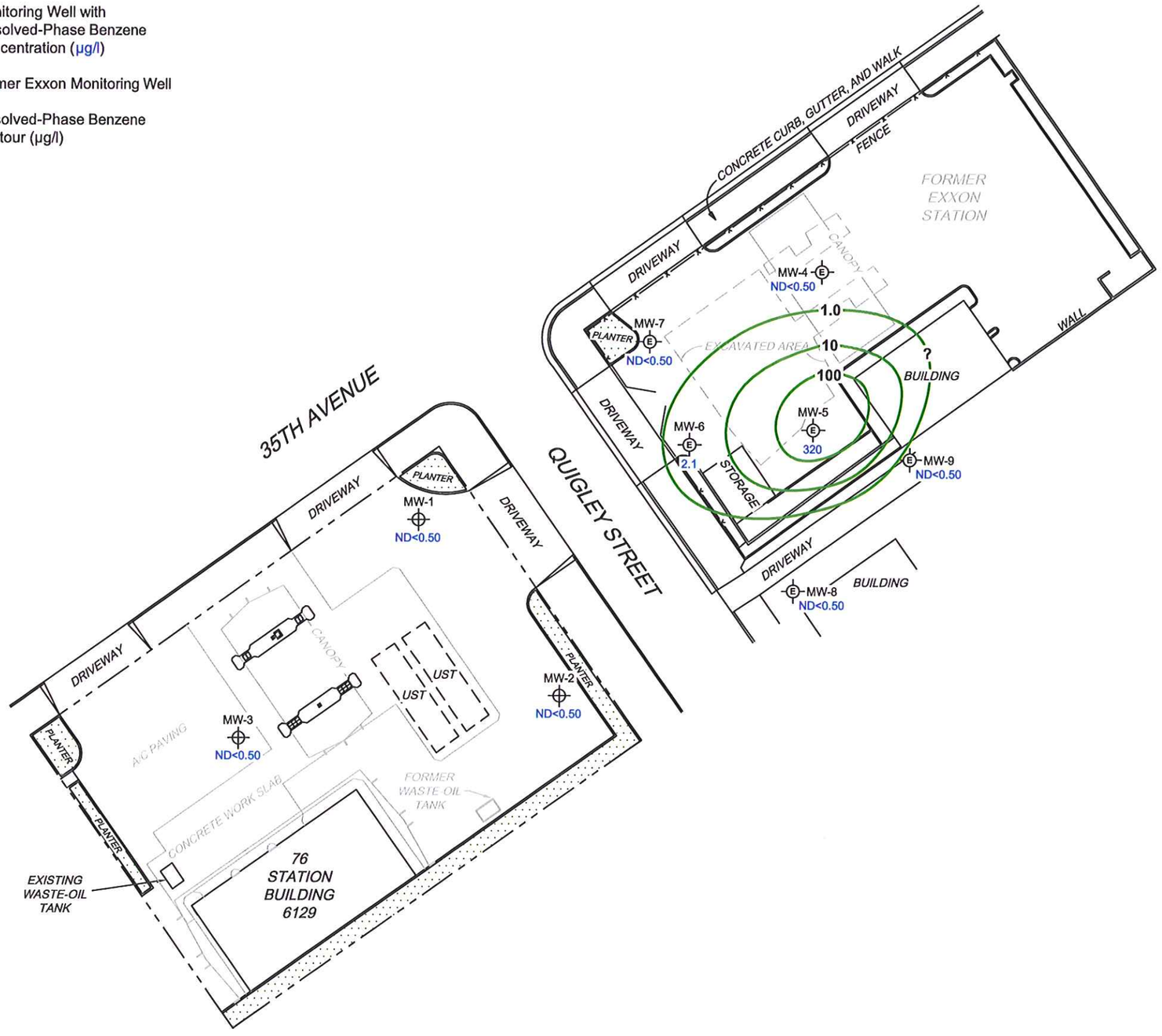
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Dec 09, 2010 - 3:30pm bschmidt

LEGEND

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

MW-9 Ⓔ Former Exxon Monitoring Well

100 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 November 1, 2010	
TRC	**FIGURE 4**

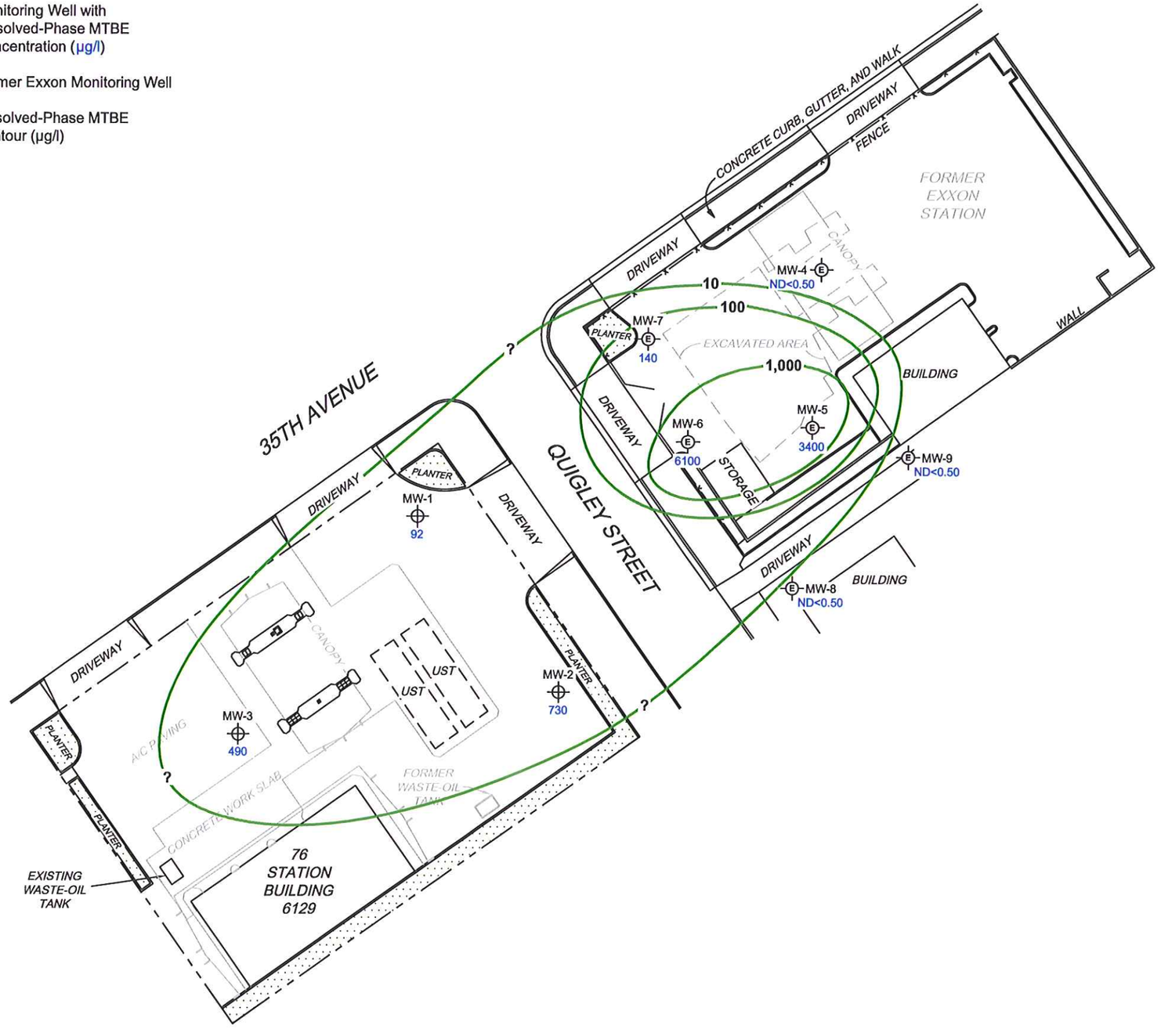
MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Dec 09, 2010 - 3:34pm bschmidt

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:

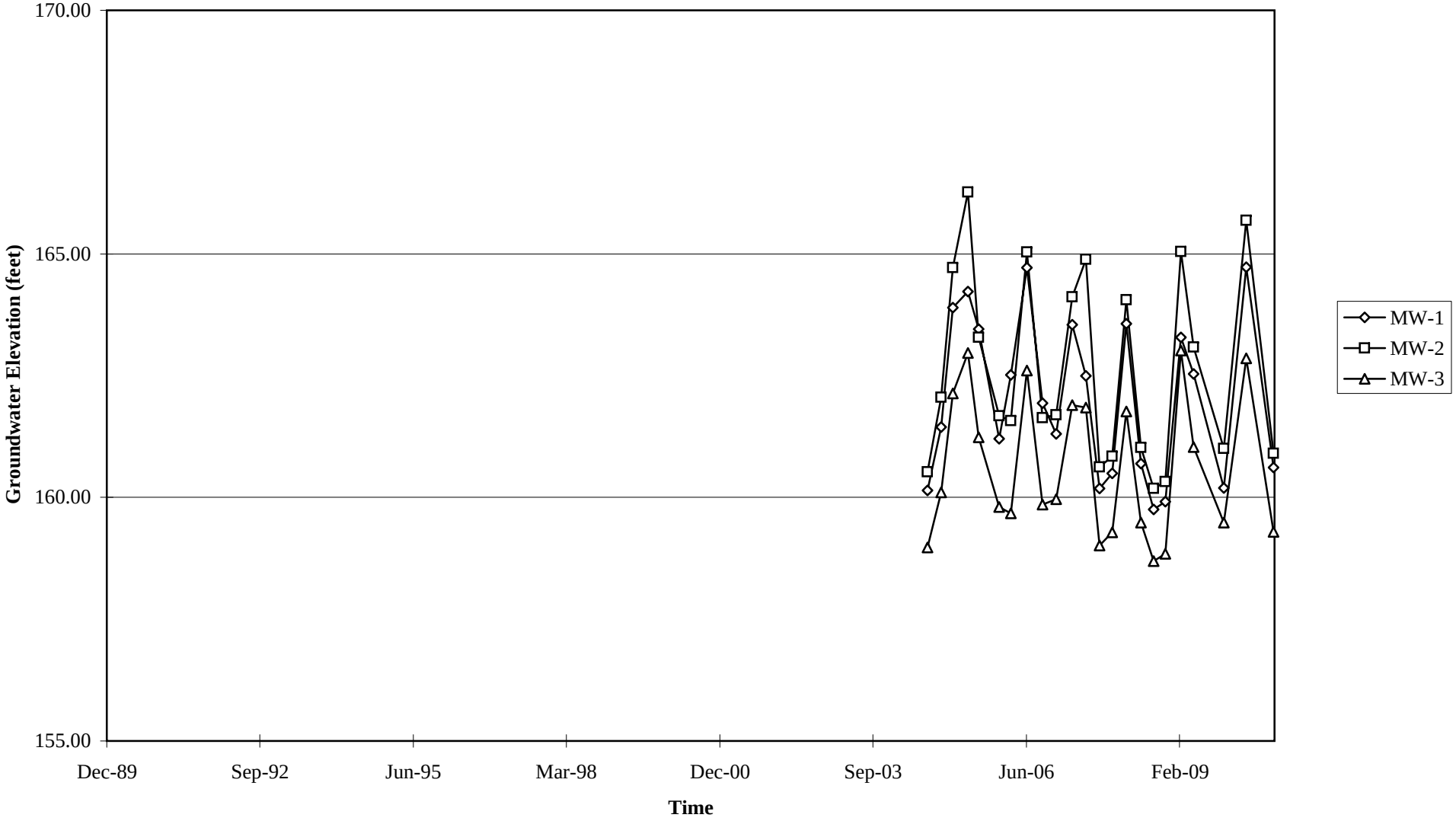
Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Former Exxon Service Station data provided by ERI. Results obtained using EPA Method 8260B.

PROJECT:	173845
FACILITY:	76 STATION 6129 3420 35TH AVENUE OAKLAND, CALIFORNIA
DISSOLVED-PHASE MTBE CONCENTRATION MAP November 1, 2010	
TRC	**FIGURE 5**

MS=1:1 6129-003 L:\Graphics\QMS NORTH-SOUTH\x-6000\6129+\6129_QMS.dwg Dec 09, 2010 - 3:42pm bschmidt

GRAPHS

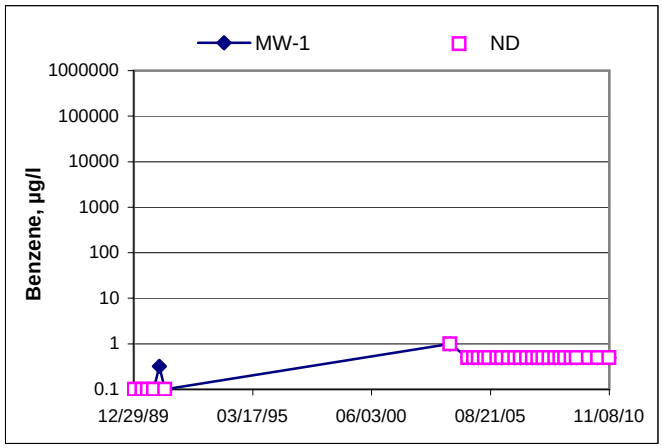
Groundwater Elevations vs. Time
76 Station 6129

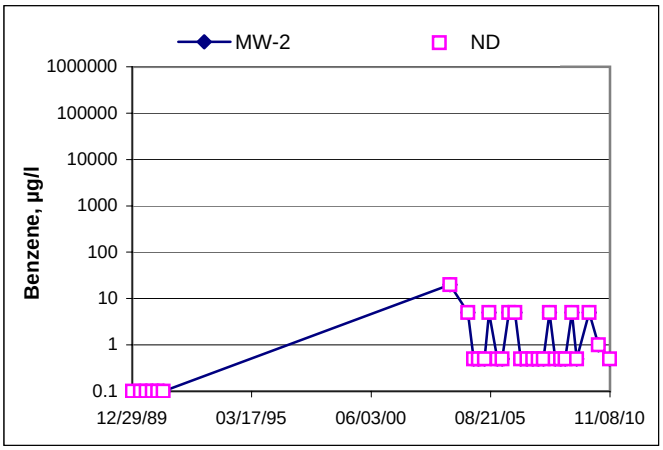


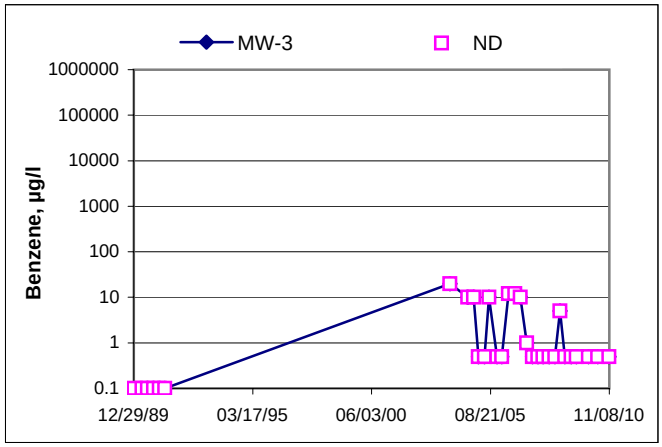
Elevations may have been corrected for apparent changes due to resurvey

Benzene Concentrations vs Time

76 Station 6129

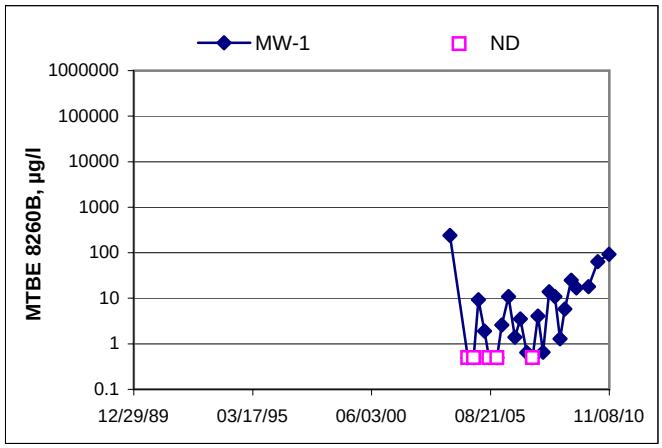


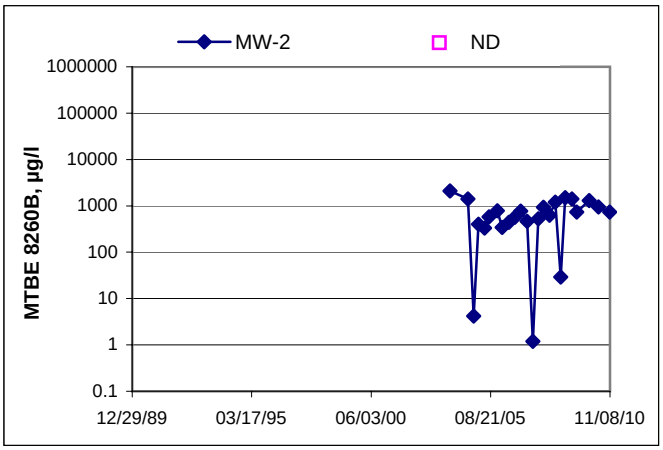


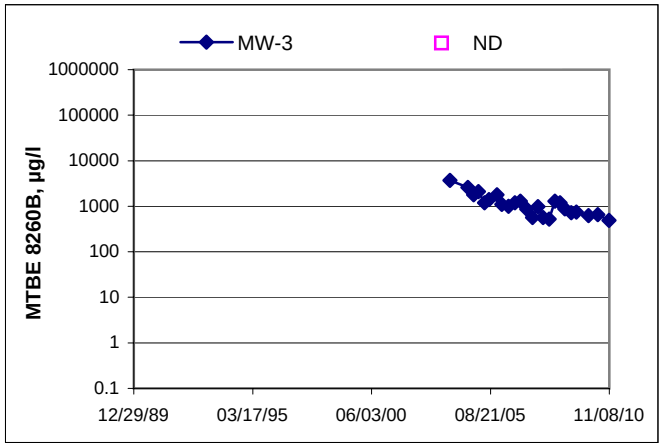


MTBE 8260B Concentrations vs Time

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 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: Bambi Job #/Task #: 173845 FA20 Date: 11-1-10

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	✓	1040	43.50	30.18	—	—	1110	2"
MW-3	✓	1048	43.55	29.29	—	—	1157	2"
MW-2	✓	1052	39.45	29.90	—	—	1205	2"

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

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 6129 Project No.: 173845 Date: 11-1-10

Well No. MW-1 Purge Method: Sub

Depth to Water (feet): 30.18 Depth to Product (feet): —

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

Water Column (feet): 13.32 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.84 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, ©)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							2.30	150	
1057			3	825.2	20.6	7.55	1.90	144	
			6	846.6	20.4	7.04	0.83	160	
	1104		9	835.7	20.4	6.80	0.54	163	

Static at Time Sampled	Total Gallons Purged	Sample Time
32.84	9	1110

Comments:

Well No. MW-3 Purge Method: Sub

Depth to Water (feet): 29.29 Depth to Product (feet): —

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

Water Column (feet): 14.26 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.14 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, ©)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge							1.22	142	
1121			3	536.5	21.0	6.98	0.55	148	
			6	513.9	20.6	6.93	0.73	150	
	1126		9	524.8	20.6	6.82	0.98	148	

Static at Time Sampled	Total Gallons Purged	Sample Time
32.14	9	1137

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Danilo

Site: 6129 Project No.: 173845 Date: 11-1-10

Well No. MW-2 Purge Method: ~~Bailer~~ HB

Depth to Water (feet): 29.90 Depth to Product (feet): —

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

Water Column (feet): 9.55 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.81 1 Well Volume (gallons): 2

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							1.22	96	
1145			2	569.1	20.4	6.88	1.34	137	
			4	581.6	20.0	6.63	0.95	140	
	1152		6	613.5	20.8	6.45	1.12	158	

Static at Time Sampled	Total Gallons Purged	Sample Time
31.81	6	1205

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: 11/12/2010

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 6129
BC Work Order: 1015492
Invoice ID: B089881

Enclosed are the results of analyses for samples received by the laboratory on 11/2/2010. 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

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

CHAIN OF CUSTODY

10-15492

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 #** 04583-45129812 19
State: CA **Zip:**	**Project #:** 173845
Conoco Phillips Mgr: Bill Bonds	**Sampler Name:** Baaldo

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B by GC/MS SIM	TPH –G by GC/MS				Turnaround Time Requested
-1	MW-1	11-1-10	1110	3					X	X	X				5 WD
-2	MW-3		1137	3					↓	↓	↓				↓
-3	MW-2	↓	1205	3					↓	↓	↓				↓

CHERRY DISTRIBUTION SUB-OUT

Comments:	Relinquished by: (Signature)	Received by: Ross Dickey	Date & Time 11.2.10 1420
GLOBAL ID: T0600101465	Relinquished by: (Signature) Ross Dickey 11.2.10	Received by: R Reynolds	Date & Time 11.2.10 1805
	Relinquished by: (Signature) R Reynolds 11.2.10 2125	Received by:	Date & Time 11/2/10 2125

Chain of Custody and Cooler Receipt Form for 1015492 Page 2 of 2

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 05/24/08 Page 1 Of 1

Submission #: 1015492

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	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: QTA Thermometer ID: #163 Date/Time 10/2/10 2130

Temperature: A 3.3 °C / C 3.3 °C Analyst Init JNW

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	HCl	HCl	HCl	( )	( )	( )	( )	( )	( )	( )
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 11/3/10 2030

A = Actual / C = Corrected

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

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1015492-01	**COC Number:**	---	**Receive Date:** 11/02/2010 21:25
	Project Number:	6129	**Sampling Date:** 11/01/2010 11:10
	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:
1015492-02	**COC Number:**	---	**Receive Date:** 11/02/2010 21:25
	Project Number:	6129	**Sampling Date:** 11/01/2010 11:37
	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:
1015492-03	**COC Number:**	---	**Receive Date:** 11/02/2010 21:25
	Project Number:	6129	**Sampling Date:** 11/01/2010 12:05
	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: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1015492-01 | **Client Sample Name:** 6129, MW-1, 11/1/2010 11:10:00AM

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	**92**	**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	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.9	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	11/04/10	11/05/10 10:59	KEA	MS-V12	1	BTK0376

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1015492-02 | **Client Sample Name:** 6129, MW-3, 11/1/2010 11:37:00AM

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	**490**	**ug/L**	**2.5**	**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	**120**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	97.6	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.0	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	98.1	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	11/04/10	11/05/10 11:35	KEA	MS-V12	1	BTK0376
2	EPA-8260	11/04/10	11/05/10 03:57	KEA	MS-V12	5	BTK0376

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1015492-03 | **Client Sample Name:** 6129, MW-2, 11/1/2010 12:05:00PM

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	**730**	**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	**28**	**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	**140**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	98.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.3	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.1	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	11/04/10	11/05/10 04:34	KEA	MS-V12	1	BTK0376
2	EPA-8260	11/10/10	11/10/10 18:07	KEA	MS-V10	10	BTK0497

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
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: BTK0376						
Benzene	BTK0376-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTK0376-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTK0376-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTK0376-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTK0376-BLK1	ND	ug/L	0.50		
Toluene	BTK0376-BLK1	ND	ug/L	0.50		
Total Xylenes	BTK0376-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTK0376-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTK0376-BLK1	ND	ug/L	10		
Diisopropyl ether	BTK0376-BLK1	ND	ug/L	0.50		
Ethanol	BTK0376-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTK0376-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTK0376-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTK0376-BLK1	98.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTK0376-BLK1	100	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTK0376-BLK1	99.8	%	86 - 115 (LCL - UCL)		
QC Batch ID: BTK0497						
Methyl t-butyl ether	BTK0497-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BTK0497-BLK1	102	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTK0497-BLK1	98.1	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTK0497-BLK1	97.9	%	86 - 115 (LCL - UCL)		

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
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: BTK0376										
Benzene	BTK0376-BS1	LCS	25.280	25.000	ug/L	101		70 - 130		
Toluene	BTK0376-BS1	LCS	25.200	25.000	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTK0376-BS1	LCS	9.8900	10.000	ug/L	98.9		76 - 114		
Toluene-d8 (Surrogate)	BTK0376-BS1	LCS	10.180	10.000	ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTK0376-BS1	LCS	10.170	10.000	ug/L	102		86 - 115		
QC Batch ID: BTK0497										
1,2-Dichloroethane-d4 (Surrogate)	BTK0497-BS1	LCS	9.7600	10.000	ug/L	97.6		76 - 114		
Toluene-d8 (Surrogate)	BTK0497-BS1	LCS	10.040	10.000	ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTK0497-BS1	LCS	9.7900	10.000	ug/L	97.9		86 - 115		

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
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: BTK0376	Used client sample: N										
Benzene	MS	1015011-33	ND	23.380	25.000	ug/L		93.5		70 - 130	
	MSD	1015011-33	ND	22.780	25.000	ug/L	2.6	91.1	20	70 - 130	
Toluene	MS	1015011-33	ND	24.090	25.000	ug/L		96.4		70 - 130	
	MSD	1015011-33	ND	23.500	25.000	ug/L	2.5	94.0	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1015011-33	ND	10.030	10.000	ug/L		100		76 - 114	
	MSD	1015011-33	ND	10.020	10.000	ug/L	0.1	100		76 - 114	
Toluene-d8 (Surrogate)	MS	1015011-33	ND	10.250	10.000	ug/L		102		88 - 110	
	MSD	1015011-33	ND	10.170	10.000	ug/L	0.8	102		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1015011-33	ND	10.030	10.000	ug/L		100		86 - 115	
	MSD	1015011-33	ND	10.010	10.000	ug/L	0.2	100		86 - 115	
QC Batch ID: BTK0497	Used client sample: N										
1,2-Dichloroethane-d4 (Surrogate)	MS	1015011-39	ND	9.9100	10.000	ug/L		99.1		76 - 114	
	MSD	1015011-39	ND	9.7500	10.000	ug/L	1.6	97.5		76 - 114	
Toluene-d8 (Surrogate)	MS	1015011-39	ND	10.170	10.000	ug/L		102		88 - 110	
	MSD	1015011-39	ND	10.120	10.000	ug/L	0.5	101		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1015011-39	ND	9.7300	10.000	ug/L		97.3		86 - 115	
	MSD	1015011-39	ND	9.5900	10.000	ug/L	1.4	95.9		86 - 115	

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 11/12/2010 11:52
Project: 6129
Project Number: 4512981219
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.