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Quarterly Status Summary Report First Quarter 2009
76 Station No. 0752
800 Harrison Street
Oakland, California

Stantec Project No.:
211402300

Submitted to:
Mr. Steven Plunkett
Senior Hazardous Materials Specialist
Alameda County Environmental Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-9335

Submitted by:
Stantec Consulting Corporation
3017 Kilgore Road, Suite 100
Rancho Cordova, California 95670
916-861-0400

Prepared on behalf of:
ConocoPhillips Company
Mr. Shelby Lathrop
Site Manager
76 Broadway
Sacramento, California 95818

April 14, 2009

Quarterly Status Summary Report First Quarter 2009
76 Station No. 0752
April 14, 2009

INTRODUCTION

On behalf of ConocoPhillips, Stantec Consulting Corporation (Stantec) has prepared this quarterly status summary report for 76 Station No. 0752, located at 800 Harrison Street, Oakland, California.

SITE SETTING

The site is an active 76 Service Station located at the intersection of Harrison Street and Eighth Street in the City of Oakland, California. The site is bounded to the northwest by Harrison Street, to the east and southeast by a church, apartments, and an office building, and to the southwest by Eighth Street, across which are a former Shell Service Station and former Arco Service Station.

Current site facilities consist of a single-story convenience store and smog shop, three product dispenser islands under two canopies, and two 12,000-gallon double-wall poly-steel gasoline underground storage tanks (USTs).

The site is located in the East Bay Plain sub-basin in the Santa Clara Valley groundwater basin, as identified in the California Regional Water Quality Control Board (CRWQCB) – San Francisco Bay Region's *San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*, dated January 18, 2007. This basin has been designated as having existing beneficial uses for municipal and domestic water supply, industrial process water supply, industrial service water supply, and agricultural water supply.

PREVIOUS ASSESSMENT

In November 1990, two gasoline USTs and one waste oil UST were removed from the site. The tanks consisted of one 10,000 gallon regular unleaded gasoline storage tank, one 10,000 gallon super unleaded gasoline storage tank, and one 280 gallon waste oil tank. The tanks were made of steel, and no apparent holes or cracks were observed in the fuel tanks; however, the waste oil tank contained one 1/8th-inch square hole. Following removal of the tanks, soil samples were collected from the excavation beneath the fuel tanks at depths of approximately 12 to 14 feet below ground surface (bgs), and from beneath the waste oil tank at a depth of approximately 6.5 feet bgs. Due to observed soil staining, KEI collected an additional soil sample from the fuel tank pit at a depth of approximately 19 feet bgs. KEI returned to the site in December 1990 to collect seven soil samples from beneath the six fuel dispensers and one sample from the product piping trench at depths of approximately 2.5 feet bgs. At the request of the Alameda County Environmental Health Service (ACEHS), KEI returned to the site in January 1991 to collect one additional soil sample from beneath the waste oil tank pit. Following sampling activities, the waste oil tank pit was overexcavated to the sample depth of 9.5 feet bgs. The results are presented in Kaprelian Engineering Inc.'s (KEI) February 1, 1991 *Soil Sampling Report.*

In May 1991, three groundwater monitoring wells (MW1, MW2, and MW3) and two exploratory borings (EB1 and EB2) were installed at the site. The monitoring wells were completed at depths of 33 to 33.5 feet bgs. The exploratory borings were each drilled to total depths of 23

feet bgs. Dissolved phase petroleum hydrocarbons were detected at maximum concentrations of 5,800 µg/L TPHg (MW3), 1,200 µg/L benzene (MW3), 40 µg/L toluene (MW3), 140 µg/L ethylbenzene (MW3), and 97 µg/L xylenes (MW3). The results are presented in KEIs' July 5, 1991 *Preliminary Groundwater Investigation.*

In September and October 1992, three additional groundwater monitoring wells (MW4, MW5, and MW6) were installed at and in the site vicinity to further delineate the extent of petroleum hydrocarbon impact to groundwater. The three new wells were each completed to total depths ranging from 32 to 33 feet bgs. Dissolved phase petroleum hydrocarbons were detected at maximum concentrations of 3,900 µg/L TPHg (MW6), 420 µg/L benzene (MW6), 12 µg/L toluene (MW6), 100 µg/L ethylbenzene (MW5), and 61 µg/L xylenes (MW5). The results are presented in KEIs' November 17, 1992, *Continuing Ground Water Investigation.*

In April 1993, two additional monitoring wells (MW7 and MW8) were installed in the vicinity of the site. Monitoring wells MW7 and MW-8 were completed at total depths of 33 feet bgs and 29 feet bgs, respectively. Dissolved phase petroleum hydrocarbons were detected at maximum concentrations of 450 µg/L TPHg (MW8), 18 µg/L benzene (MW8), 1.8 µg/L toluene (MW8), 1.8 µg/L ethylbenzene (MW8), and 1.7 µg/L xylenes (MW7). KEI concluded that the horizontal extent of the soil impact at the site had been defined, and that the impact was limited to the areas beneath the fuel tanks and the southernmost pump island. Based on the groundwater monitoring data evaluated through April 1993, the groundwater flow direction had been consistently to the southwest or south-southwest. The results are presented in KEIs' May 24, 1993, *Continuing Ground Water Investigation.*

In November 1993, PHR Environmental Consultants (PHR) performed a Phase I environmental assessment providing a history of USTs and a list of other cases in the area. No determination was made as to other possible contributing sources. The results are presented in PHRs' November 29, 1993, *Phase I Environmental Assessment.*

In January 1994, KEI completed a Remedial Action Plan (RAP) recommending a soil vapor extraction (SVE) pilot test and the installation of a SVE remediation system. SVE details and other recommendations are presented in KEIs' April 1, 1994 *Remedial Action Plan*.

In February 1994, KEI completed 10 exploratory borings (EB-3 through EB-12) for divestment. Soil analytical results from the borings indicated that petroleum hydrocarbons were present at maximum concentrations of 19 mg/kg TPHd [EB11(6)], 21,000 mg/kg TPHg [EB8(18.5)], 7.0 mg/kg benzene [EB8(18.5)], 78 mg/kg toluene [EB8(18.5)], 26 mg/kg ethylbenzene [EB8(18.5)], and 140 mg/kg xylenes [EB8(18.5)]. Results of the site assessment activities are included in KEIs' April 1, 1994 *Subsurface Investigation.*

A soil vapor extraction (SVE) pilot test was performed at the site in August 1995. The results of the SVE pilot test are presented in KEIs' October 3, 1995 *Pilot Vapor Extraction Test Report*. The results indicated that vapor extraction was not effective due to partially saturated soil. KEI revised their report and results are presented in the October 23, 1995 *Pilot Vapor Extraction Test Report.*

In November 1996, one 1,100 gallon waste oil UST and former product dispensers and associated piping were removed from the site. No apparent holes or cracks were observed in

the waste oil tank. Following the removal of the tank, one soil sample was collected from beneath the waste oil tank at a depth of approximately 9.5 feet bgs, three soil samples were collected from beneath product dispensers at depths of approximately 3-5.5 feet bgs, and two soil samples were collected from beneath the product piping trenches at depths of approximately 3-3.5 feet bgs. Following sampling activities, the soil beneath the product dispenser PD1 was excavated to a depth of 5.5 feet bgs. The analytical results from the soil samples indicated minor to non- concentrations of TPHg and BTEX. The results are presented in KEIs' January 10, 1997, *Soil Sampling Report.*

In April 2001, Gettler Ryan prepared a site conceptual model (SCM) that summarized two downgradient sites (Former Chan's Shell and Former ARCO). The SCM indicated that Chan's Shell station had contamination under four removed tanks, and the ARCO station had contamination under six removed tanks. Results indicated that petroleum hydrocarbon concentrations at both of these stations were higher than those at the subject site and therefore the subject site was not primarily responsible for impact beneath the former Shell and ARCO sites. Gettler Ryan recommended that no additional delineation was warranted and pending results of four additional quarters of sampling, the frequency of the monitoring program should be reduced. The details are presented in Gettler Ryans' April 23, 2001, *Site Conceptual Model.*

In October 2003, consulting responsibility for the site was transferred from Gettler Ryan to TRC.

In February 2007, TRC advanced two onsite and four offsite exploratory borings (CPT-1 through CPT-6) to a depth of 50 feet bgs and collected discrete grab groundwater samples. Two water bearing zones were identified at depths between 21-30 feet bgs (shallow zone) and 42-50 feet bgs (deeper zone). Dissolved phase hydrocarbons were primarily detected in the shallow zone with maximum concentrations of 40,000 µg/L total purgeable petroleum hydrocarbons (TPPH, CPT-2), 270 µg/L benzene (CPT-5), 10 µg/L toluene (CPT-5), 690 µg/L ethylbenzene (CPT-2), 840 µg/L total xylenes (CPT-2), and 74,000 µg/L MTBE (CPT-5). The results are presented in TRCs' September 28, 2007, *Additional Soil and Groundwater Investigation Report.*

In January 2009, consulting responsibility for the site was transferred from TRC to Stantec Consulting.

SENSITIVE RECEPTORS

Lake Merritt is located approximately 2508 feet northeast of the site. According to Gettler Ryan's April 23, 2001 *Site Conceptual Model,* the Oakland Inner Harbor is located approximately ½-mile southwest of the site, and in 2001, the Alameda County Public Works Agency conducted a 1-mile radius well search. Information was obtained from a review of well completion reports on file with the Alameda County Public Works Agency. No domestic or municipal wells were identified within the area. Four irrigation wells and one industrial well were identified within the 1-mile search radius. The closest well to the site was an irrigation well at Laney College (900 Fallon Street), located approximately 1,880 feet southeast of the site.

GROUNDWATER MONITORING AND SAMPLING

The site has been monitored and sampled since 1991. From 1991 to 1993 the groundwater monitoring wells were monitored monthly and sampled quarterly. From 1993 to 1996 the groundwater monitoring wells were monitored/sampled quarterly. From 1996 to present the groundwater monitoring wells have been monitored/sampled semi-annually. Based on telephone communication with Mr. Steven Plunkett of the Alameda County Health Agency, coordination of semiannual monitoring with the adjacent former Shell (726 Harrison) and former Arco (706 Harrison) sites will begin during the third quarter 2009.

Currently, eight wells (MW-1 through MW-8) are gauged and sampled semi-annually and are coordinated with the groundwater monitoring and sampling event at the neighboring Former Arco Station, located at 706 Harrison Street. Samples are analyzed for TPHg, BTEX, MTBE and ethanol using EPA Method 8260.

During the first quarter 2009 monitoring and sampling event, the eight wells were gauged and sampled on January 26, 2009, and the following maximum concentrations were reported:

TPHg:	8,800 µg/L (MW-3)
Benzene:	27 µg/L (MW-3)
Toluene:	3.3 µg/L (MW-5)
Ethylbenzene	2.5 µg/L (MW-5)
Total xylenes	11 µg/L (MW-5)
MTBE:	13,000 µg/L (MW-3)

Hydrocarbon concentrations in the majority of site wells generally continue to decline or remain stable.

This quarter, the direction of groundwater flow was to the southwest at an approximate gradient of 0.02 foot per foot (ft/ft), which is consistent with previous gradients evaluated at the site. Depth to groundwater ranged from 18.46 feet to 20.74 feet below the top of casing (TOC). The average groundwater elevation was 13.72 feet. It should be noted that wells MW-7 and MW-8 were purged by TRC prior to measurement of groundwater levels in the majority of the wells. This may affect the validity of the elevation data.

TRC's Semi-Annual Monitoring Report dated March 5, 2009, is presented as Attachment 1, and includes Tables 1, 1a, 2 through 2c, coordinated event data -Table 2, Figures 1 through 5, graphs, field data sheets, and groundwater analytical reports.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

CURRENT ASSESSMENT ACTIVITIES

No additional assessment activities were performed during first quarter 2009.

CHARACTERIZATION STATUS

KEI indicated in their May 24, 1993 *Continuing Groundwater Investigation* report that the horizontal extent of contamination in soil had been adequately delineated and was limited to areas beneath the fuel tanks and southernmost pump island. The lateral extent of hydrocarbons in groundwater has been delineated to the north, east, and south.

WASTE DISPOSAL SUMMARY

The volume and disposal method of purged groundwater generated during semi-annual monitoring and sampling is reported in TRC's monitoring report.

RECENT SUBMITTALS/CORRESPONDENCE

No recent submittals or correspondence.

Work Completed (First Quarter 2009)

- Conducted first quarter 2009 groundwater monitoring and sampling activities (conducted by TRC).

Work Planned (Second and Third Quarter 2009)

- Submit *Quarterly Status Summary Report – First Quarter*.
- ConocoPhillips and Stantec are working with representatives of the adjoining former Shell and ARCO sites to enter into a commingled plume agreement to remediate the three sites as efficiently and cooperatively as possible.
- Conduct coordinated third quarter 2009 groundwater monitoring and sampling activities.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of ConocoPhillips Company and its representatives as it pertains to the property located at 800 Harrison Street, Oakland, California, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Prepared By:

Laura Shook
Geologic Project Specialist

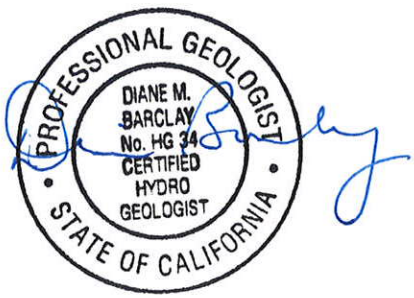
Information, conclusions, and recommendations provided by Stantec in this document have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Name: Diane Barclay, C.H.G.
Principal Geologist

Signature:

Date: April 14, 2009

Stamp:



Attachment 1: TRC Semi-Annual Monitoring Report, October 2008 through March 2009

CC. Ms. Shelby Lathrop (via electronic upload to Livelink)
Mr. Mark Jonas, Conestoga-Rovers & Associates (via mjonas@CRAworld.com)
Mr. Robert Kitay, Aqua Science Engineers Inc. (via rkitay@aquascienceengineers.com)

ATTACHMENT 1
TRC SEMI-ANNUAL MONITORING REPORT
OCTOBER 2008 THROUGH MARCH 2009

Quarterly Status Summary Report – First Quarter 2009
76 Station No.0752
800 Harrison Street
Oakland, California

TRC

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: March 5, 2009

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
OCTOBER 2008 THROUGH MARCH 2009

Dear Mr. Borgh:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 0752, located at 800 Harrison Street, 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: Ms. Diane Barclay, Stantec (2 copies)

Enclosures
20-0400/0752R12.QMS

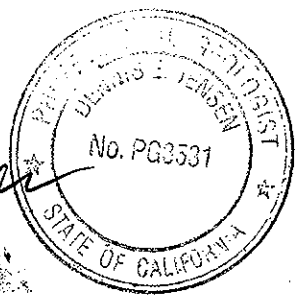
SEMI-ANNUAL MONITORING REPORT
OCTOBER 2008 THROUGH MARCH 2009

76 STATION 0752
800 Harrison Street
Oakland, California

Prepared For:

Mr. Terry Grayson
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 3/4/09

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 Arco Station* Table 2: Groundwater Elevation and Analytical Data
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet - 01/26/09 Groundwater Sampling Field Notes - 01/26/09
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statement	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2008 through March 2009
76 Station 0752
800 Harrison Street
Oakland, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **01/26/09**

Sample Points

Groundwater wells: **4** onsite, **4** offsite Points gauged: **8** Points sampled: **8**
Purging method: **Submersible pump**
Purge water disposal: **Veolia/Rodeo Unit 100**
Other Sample Points: **0** Type: **--**

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **18.46 feet** Maximum: **20.74 feet**
Average groundwater elevation (relative to available local datum): **13.72 feet**
Average change in groundwater elevation since previous event: **-0.41 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, southwest**
Previous event: **0.025 ft/ft, southwest (07/28/08)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **3** Sample Points above MCL (1.0 µg/l): **3**
Maximum reported benzene concentration: **27 µg/l (MW-3)**

Sample Points with **TPH-G by GC/MS** **5** Maximum: **8,800 µg/l (MW-3)**
Sample Points with **MTBE 8260B** **7** Maximum: **13,000 µg/l (MW-3)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
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

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

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 0752 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables 1 and 2
Site: 76 Station 0752

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 1a	Well/ Date	Ethanol (8260B)											

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 2a	Well/ Date	TPH-D	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Tetrachloro-ethene (PCE)	Trichloro-ethene (TCE)
Table 2b	Well/ Date	Cadmium (dissolved)	Calcium	Chromium (total)	Iron (total)	Lead (total)	Manganese (dissolved)	Nickel (total)	Zinc (dissolved)	Nitrate	Sulfate	Alkalinity (bicarb.)	BOD
Table 2c	Well/ Date	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen										

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 26, 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 13.5-33.5)**											
01/26/09	34.69	20.74	0.00	13.95	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
MW-2			**(Screen Interval in feet: 15-33)**											
01/26/09	34.72	20.50	0.00	14.22	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 15-33)**											
01/26/09	33.14	19.54	0.00	13.60	-0.54	--	8800	27	ND<12	ND<12	ND<25	--	13000	
MW-4			**(Screen Interval in feet: 15-33)**											
01/26/09	32.71	18.80	0.00	13.91	-0.46	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	830	
MW-5			**(Screen Interval in feet: 15-32)**											
01/26/09	32.95	19.25	0.00	13.70	-0.55	--	1400	7.4	3.3	2.5	11	--	3.3	
MW-6			**(Screen Interval in feet: 15-32)**											
01/26/09	32.16	18.46	0.00	13.70	0.04	--	570	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	500	
MW-7			**(Screen Interval in feet: 13-33)**											
01/26/09	32.20	18.90	0.00	13.30	-0.40	--	80	7.9	0.58	ND<0.50	ND<1.0	--	10	
MW-8			**(Screen Interval in feet: 11-29)**											
01/26/09	32.00	18.65	0.00	13.35	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 13.5-33.5)**											
06/05/91	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/30/91	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/30/91	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
04/02/92	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/30/92	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/15/92	34.94	--	--	--	--	76	--	1.0	ND	ND	ND	--	--	
12/21/92	34.94	21.17	0.00	13.77	--	95	--	0.69	ND	ND	1.0	--	--	
04/28/93	34.94	--	--	--	--	920	--	3.1	2.3	1.2	9.7	--	--	
07/23/93	34.94	20.13	0.00	14.81	--	ND	--	0.5	0.66	ND	ND	--	--	
10/05/93	34.69	20.30	0.00	14.39	-0.42	92	--	1.5	ND	ND	0.72	--	--	
01/03/94	34.69	20.52	0.00	14.17	-0.22	ND	--	ND	ND	ND	ND	--	--	
04/02/94	34.69	20.16	0.00	14.53	0.36	ND	--	ND	ND	ND	ND	--	--	
07/05/94	34.69	19.27	0.00	15.42	0.89	250	--	4.8	13	1.2	7.3	--	--	
10/06/94	34.69	20.87	0.00	13.82	-1.60	540	--	1.4	ND	0.66	11	--	--	
01/02/95	34.69	19.67	0.00	15.02	1.20	140	--	ND	ND	ND	ND	--	--	
04/03/95	34.69	17.61	0.00	17.08	2.06	580	--	3.6	0.8	ND	4.0	--	--	
07/14/95	34.69	18.58	0.00	16.11	-0.97	260	--	2.1	ND	ND	1.2	--	--	
10/10/95	34.69	19.60	0.00	15.09	-1.02	220	--	2.0	ND	25	5.6	29	--	
01/03/96	34.69	19.69	0.00	15.00	-0.09	190	--	2.4	ND	0.71	1.2	--	--	
04/10/96	34.69	17.65	0.00	17.04	2.04	540	--	8.9	1.7	1.5	7.4	50	--	
07/09/96	34.69	18.52	0.00	16.17	-0.87	490	--	3.0	1.4	1.3	2.5	150	--	
01/24/97	34.69	17.72	0.00	16.97	0.80	760	--	27	0.89	5.2	10	510	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
09/28/07	34.69	19.73	0.00	14.96	-0.89	--	68	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	15	
03/26/08	34.69	19.32	0.00	15.37	0.41	--	200	ND<0.50	ND<0.50	ND<0.50	1.0	--	47	
07/28/08	34.69	20.15	0.00	14.54	-0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.7	
01/26/09	34.69	20.74	0.00	13.95	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
MW-2			**(Screen Interval in feet: 15-33)**											
06/05/91	34.97	--	--	--	--	49	--	ND	ND	ND	ND	--	--	
09/30/91	34.97	--	--	--	--	130	--	18	0.53	14	9.6	--	--	
12/30/91	34.97	--	--	--	--	91	--	16	0.89	11	1.9	--	--	
04/02/92	34.97	--	--	--	--	88	--	12	0.32	6.3	7.2	--	--	
06/30/92	34.97	--	--	--	--	76	--	9.3	0.76	4.8	6.9	--	--	
09/15/92	34.97	--	--	--	--	1300	--	91	5.7	80	110	--	--	
12/21/92	34.97	20.85	0.00	14.12	--	960	--	97	3.2	74	96	--	--	
04/28/93	34.97	--	--	--	--	1300	--	76	1.9	130	87	--	--	
07/23/93	34.97	19.81	0.00	15.16	--	66	--	1.8	ND	2.5	2.0	--	--	
10/05/93	34.72	19.95	0.00	14.77	-0.39	120	--	12	ND	2.1	12	--	--	
01/03/94	34.72	20.21	0.00	14.51	-0.26	260	--	25	ND	5.5	26	--	--	
04/02/94	34.72	19.88	0.00	14.84	0.33	ND	--	0.65	ND	ND	0.99	--	--	
07/05/94	34.72	19.07	0.00	15.65	0.81	160	--	16	ND	0.73	10	--	--	
10/06/94	34.72	20.55	0.00	14.17	-1.48	170	--	15	ND	1.4	11	--	--	
01/02/95	34.72	19.25	0.00	15.47	1.30	190	--	27	ND	0.95	11	--	--	
04/03/95	34.72	17.49	0.00	17.23	1.76	2400	--	65	6.6	19	63	--	--	
07/14/95	34.72	18.30	0.00	16.42	-0.81	750	--	270	ND	ND	13	--	--	
10/10/95	34.72	19.25	0.00	15.47	-0.95	50	--	1.6	ND	ND	ND	200	--	

TRC

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
09/30/05	34.72	17.31	0.00	17.41	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.1	
03/27/06	34.72	14.91	0.00	19.81	2.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
09/27/06	34.72	18.15	0.00	16.57	-3.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7.7	
03/27/07	34.72	18.57	0.00	16.15	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	
09/28/07	34.72	18.38	0.00	16.34	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/26/08	34.72	19.06	0.00	15.66	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/28/08	34.72	19.90	0.00	14.82	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/26/09	34.72	20.50	0.00	14.22	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 15-33)**											
06/05/91	33.39	--	--	--	--	5800	--	1200	40	140	97	--	--	
09/30/91	33.39	--	--	--	--	6800	--	1400	130	290	240	--	--	
12/30/91	33.39	--	--	--	--	7200	--	2100	690	410	550	--	--	
04/02/92	33.39	--	--	--	--	8000	--	1400	200	300	310	--	--	
06/30/92	33.39	--	--	--	--	8900	--	1900	210	430	550	--	--	
09/15/92	33.39	--	--	--	--	10000	--	1900	330	400	580	--	--	
12/21/92	33.39	20.02	0.00	13.37	--	8500	--	1500	150	310	330	--	--	
04/28/93	33.39	--	--	--	--	2600	--	220	7.6	41	27	--	--	
07/23/93	33.39	19.00	0.00	14.39	--	4400	--	660	26	160	82	--	--	
10/05/93	33.14	19.20	0.00	13.94	-0.45	9200	--	720	88	140	140	--	--	
01/03/94	33.14	19.40	0.00	13.74	-0.20	4900	--	830	100	170	150	--	--	
04/02/94	33.14	19.01	0.00	14.13	0.39	6000	--	800	30	140	110	--	--	
07/05/94	33.14	18.14	0.00	15.00	0.87	25000	--	ND	ND	ND	ND	--	--	
10/06/94	33.14	19.73	0.00	13.41	-1.59	49000	--	1300	200	280	300	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through January 2009
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-3 continued														
02/04/04	33.14	16.15	0.00	16.99	0.59	--	130	7.9	ND<0.50	ND<0.50	ND<1.0	--	63	
08/11/04	33.14	16.64	0.00	16.50	-0.49	--	ND<20000	ND<200	ND<200	ND<200	ND<400	--	20000	
03/31/05	33.14	14.53	0.00	18.61	2.11	--	ND<20000	330	ND<200	ND<200	ND<400	--	78000	
09/30/05	33.14	16.55	0.00	16.59	-2.02	--	12000	360	40	ND<25	50	--	20000	
03/27/06	33.14	13.66	0.00	19.48	2.89	--	10000	150	ND<25	53	99	--	15000	
09/27/06	33.14	17.40	0.00	15.74	-3.74	--	ND<12000	ND<120	ND<120	ND<120	ND<120	--	12000	
03/27/07	33.14	17.55	0.00	15.59	-0.15	--	8700	180	ND<12	60	57	--	8900	
09/28/07	33.14	18.59	0.00	14.55	-1.04	--	9000	55	ND<50	ND<50	ND<50	--	11000	
03/26/08	33.14	18.19	0.00	14.95	0.40	--	450	13	1.3	0.84	1.4	--	7200	
07/28/08	33.14	19.00	0.00	14.14	-0.81	--	8300	ND<50	ND<50	ND<50	ND<100	--	13000	
01/26/09	33.14	19.54	0.00	13.60	-0.54	--	8800	27	ND<12	ND<12	ND<25	--	13000	
MW-4			**(Screen Interval in feet: 15-33)**											
10/19/92	--	--	--	--	--	480	--	0.51	2.1	2.8	6.8	--	--	
12/21/92	33.12	19.73	--	13.39	--	220	--	ND	ND	0.97	0.74	--	--	
04/28/93	33.12	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
07/23/93	33.12	18.72	--	14.40	--	85	--	ND	ND	ND	ND	--	--	
10/05/93	32.71	18.74	--	13.97	-0.43	130	--	ND	ND	ND	ND	--	--	
01/03/94	32.71	18.93	--	13.78	-0.19	210	--	ND	ND	0.76	1.6	--	--	
04/02/94	32.71	18.53	--	14.18	0.40	89	--	ND	ND	ND	ND	--	--	
07/05/94	32.71	17.67	--	15.04	0.86	190	--	ND	ND	ND	ND	--	--	
10/06/94	32.71	19.25	--	13.46	-1.58	170	--	0.85	ND	ND	0.74	--	--	
01/02/95	32.71	17.75	--	14.96	1.50	ND	--	ND	ND	ND	ND	--	--	
04/03/95	32.71	15.87	--	16.84	1.88	98	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through January 2009
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
08/11/04	32.71	16.16	0.00	16.55	-0.04	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	6400	
03/31/05	32.71	14.15	0.00	18.56	2.01	--	ND<1300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1600	
09/30/05	32.71	16.91	0.00	15.80	-2.76	--	900	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3800	
03/27/06	32.71	13.94	0.00	18.77	2.97	--	870	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2000	
09/27/06	32.71	16.91	0.00	15.80	-2.97	--	ND<1000	ND<10	ND<10	ND<10	ND<10	--	1600	
03/27/07	32.71	17.15	0.00	15.56	-0.24	--	1500	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	1700	
09/28/07	32.71	18.13	0.00	14.58	-0.98	--	590	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1400	
03/26/08	32.71	17.66	0.00	15.05	0.47	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1400	
07/28/08	32.71	18.34	0.00	14.37	-0.68	--	480	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	950	
01/26/09	32.71	18.80	0.00	13.91	-0.46	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	830	
MW-5			**(Screen Interval in feet: 15-32)**											
10/19/92	--	--	--	--	--	2700	--	61	5.0	100	61	--	--	
12/21/92	33.25	19.75	--	13.50	--	1700	--	51	4.7	83	34	--	--	
04/28/93	33.25	--	--	--	--	6700	--	200	190	250	430	--	--	
07/23/93	33.25	18.74	--	14.51	--	2000	--	122	8.0	68	47	--	--	
10/05/93	32.95	18.83	--	14.12	-0.39	1700	--	70	6.2	54	40	--	--	
01/03/94	32.95	19.05	--	13.90	-0.22	1500	--	44	ND	42	46	--	--	
04/02/94	32.95	18.68	--	14.27	0.37	1800	--	46	5.1	38	35	--	--	
07/05/94	32.95	17.90	--	15.05	0.78	2200	--	97	8.4	37	36	--	--	
10/06/94	32.95	19.37	--	13.58	-1.47	1600	--	79	5.7	28	22	--	--	
01/02/95	32.95	17.92	--	15.03	1.45	1700	--	50	8.6	30	28	--	--	
04/03/95	32.95	16.15	--	16.80	1.77	5400	--	190	240	170	420	--	--	
07/14/95	32.95	17.18	--	15.77	-1.03	3800	--	210	100	130	190	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued														
03/31/05	32.95	14.30	0.00	18.65	2.08	--	5000	160	84	65	72	--	140	
09/30/05	32.95	16.19	0.00	16.76	-1.89	--	1200	26	5.8	2.4	9.2	--	38	
03/27/06	32.95	13.90	0.00	19.05	2.29	--	1100	13	12	4.7	16	--	8.8	
09/27/06	32.95	17.06	0.00	15.89	-3.16	--	1300	20	11	2.3	15	--	21	
03/27/07	32.95	17.43	0.00	15.52	-0.37	--	960	15	7.8	2.2	11	--	14	
09/28/07	32.95	18.25	0.00	14.70	-0.82	--	1300	13	6.0	2.3	15	--	8.4	
03/26/08	32.95	17.82	0.00	15.13	0.43	--	1200	7.6	3.3	1.8	11	--	2.7	
07/28/08	32.95	18.70	0.00	14.25	-0.88	--	2000	12	4.9	3.2	17	--	ND<0.50	
01/26/09	32.95	19.25	0.00	13.70	-0.55	--	1400	7.4	3.3	2.5	11	--	3.3	
MW-6			**(Screen Interval in feet: 15-32)**											
10/19/92	--	--	--	--	--	3900	--	420	12	60	28	--	--	
12/21/92	32.42	19.17	--	13.25	--	2300	--	370	11	39	15	--	--	
04/28/93	32.42	--	--	--	--	1200	--	54	1.5	11	5.3	--	--	
07/23/93	32.42	18.17	--	14.25	--	580	--	19	0.99	3.4	2.7	--	--	
10/05/93	32.16	18.35	--	13.81	-0.44	1400	--	34	ND	5.3	7.3	--	--	
01/03/94	32.16	18.54	--	13.62	-0.19	1400	--	57	ND	8.5	11	--	--	
04/02/94	32.16	18.15	--	14.01	0.39	5300	--	ND	ND	ND	ND	--	--	
07/05/94	32.16	17.25	--	14.91	0.90	ND	--	ND	ND	ND	ND	--	--	
10/06/94	32.16	18.85	--	13.31	-1.60	11000	--	ND	ND	ND	ND	--	--	
01/02/95	32.16	17.51	--	14.65	1.34	550	--	18	0.92	2.0	1.8	--	--	
04/03/95	32.16	15.48	--	16.68	2.03	6600	--	ND	ND	ND	ND	--	--	
07/14/95	32.16	16.63	--	15.53	-1.15	ND	--	ND	ND	ND	ND	--	--	
10/10/95	32.16	17.68	--	14.48	-1.05	ND	--	81	ND	ND	ND	75000	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
09/30/05	32.16	15.48	0.00	16.68	-1.78	--	4300	140	37	28	41	--	5800	
03/27/06	32.16	13.02	0.00	19.14	2.46	--	7200	34	0.66	0.96	18	--	9900	
09/27/06	32.16	16.56	0.00	15.60	-3.54	--	1800	ND<12	ND<12	ND<12	ND<12	--	3300	
03/27/07	32.16	16.73	0.00	15.43	-0.17	--	1600	2.8	ND<2.5	ND<2.5	ND<2.5	--	1800	
09/28/07	32.16	17.75	0.00	14.41	-1.02	--	830	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1600	
03/26/08	32.16	17.31	0.00	14.85	0.44	--	940	45	5.9	2.0	5.3	--	1300	
07/28/08	32.16	18.50	0.00	13.66	-1.19	--	500	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	750	
01/26/09	32.16	18.46	0.00	13.70	0.04	--	570	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	500	
MW-7			**(Screen Interval in feet: 13-33)**											
10/19/92	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/28/93	32.49	--	--	--	--	110	--	2.8	1.3	1.4	1.7	--	--	
07/23/93	32.49	18.60	--	13.89	--	790	--	23	3.3	28	5.4	--	--	
10/05/93	32.20	18.76	--	13.44	-0.45	360	--	10	1.2	0.91	0.99	--	--	
01/03/94	32.20	18.91	--	13.29	-0.15	ND	--	0.93	ND	0.75	1.9	--	--	
04/02/94	32.20	18.50	--	13.70	0.41	360	--	2.0	ND	ND	0.8	--	--	
07/05/94	32.20	17.52	--	14.68	0.98	ND	--	ND	ND	ND	ND	--	--	
10/06/94	32.20	19.25	--	12.95	-1.73	340	--	5.6	0.85	ND	1.2	--	--	
01/02/95	32.20	17.67	--	14.53	1.58	ND	--	ND	ND	ND	ND	--	--	
04/03/95	32.20	15.81	--	16.39	1.86	570	--	24	ND	3.4	5.8	--	--	
07/14/95	32.20	17.05	--	15.15	-1.24	ND	--	14	ND	ND	ND	--	--	
10/10/95	32.20	18.08	--	14.12	-1.03	740	--	170	ND	ND	ND	13000	--	
01/03/96	32.20	18.02	--	14.18	0.06	360	--	16	1.3	2.7	1.4	--	--	
04/10/96	32.20	15.81	--	16.39	2.21	120	--	4.1	1.5	ND	0.88	3200	--	

TRC

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through January 2009
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
09/27/06	32.20	16.96	0.00	15.24	-3.56	--	2800	180	ND<12	15	44	--	4200	
03/27/07	32.20	17.30	0.00	14.90	-0.34	--	920	66	2.9	3.4	4.5	--	970	
09/28/07	32.20	18.10	0.00	14.10	-0.80	--	4000	440	15	17	59	--	3300	
03/26/08	32.20	17.64	0.00	14.56	0.46	--	390	39	3.3	0.85	7.5	--	96	
07/28/08	32.20	18.50	0.00	13.70	-0.86	--	64	3.3	ND<0.50	ND<0.50	ND<1.0	--	8.7	
01/26/09	32.20	18.90	0.00	13.30	-0.40	--	80	7.9	0.58	ND<0.50	ND<1.0	--	10	
MW-8			**(Screen Interval in feet: 11-29)**											
04/28/93	32.33	--	--	--	--	450	--	18	1.8	1.8	1.4	--	--	
07/23/93	32.33	18.45	--	13.88	--	260	--	5.1	ND	0.6	ND	--	--	
10/05/93	32.00	18.57	--	13.43	-0.45	120	--	1.7	ND	ND	ND	--	--	
01/03/94	32.00	18.73	--	13.27	-0.16	ND	--	ND	ND	ND	ND	51	--	
04/02/94	32.00	18.30	--	13.70	0.43	150	--	1.2	ND	ND	ND	--	--	
07/05/94	32.00	17.41	--	14.59	0.89	730	--	17	ND	1.6	ND	--	--	
10/06/94	32.00	18.98	--	13.02	-1.57	140	--	ND	ND	ND	ND	--	--	
01/02/95	32.00	17.58	--	14.42	1.40	440	--	18	0.72	2.0	1.8	--	--	
04/03/95	32.00	15.54	--	16.46	2.04	960	--	11	ND	ND	ND	--	--	
07/14/95	32.00	16.81	--	15.19	-1.27	280	--	4.2	2.6	1.1	3.3	--	--	
10/10/95	32.00	17.85	--	14.15	-1.04	110	--	1.3	0.62	0.67	ND	170	--	
01/03/96	32.00	17.82	--	14.18	0.03	63	--	ND	0.51	ND	1.8	--	--	
04/10/96	32.00	15.70	--	16.30	2.12	ND	--	1.1	0.61	ND	ND	60	--	
07/09/96	32.00	16.78	--	15.22	-1.08	72	--	1.0	ND	ND	ND	140	--	
01/24/97	32.00	15.79	0.00	16.21	0.99	ND	--	ND	ND	ND	ND	76	--	
07/23/97	32.00	17.69	0.00	14.31	-1.90	ND	--	ND	ND	ND	ND	270	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through January 2009

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-8 continued														
07/28/08	32.00	18.50	0.00	13.50	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
01/26/09	32.00	18.65	0.00	13.35	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	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)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)	Trichloro-ethene (TCE) (µg/l)
MW-1 continued												
01/26/09	--	--	ND<250	--	--	--	--	--	--	--	--	--
MW-2												
07/11/03	--	--	ND<500	--	--	--	--	--	--	--	--	--
02/04/04	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
08/11/04	--	--	ND<50	--	--	--	--	--	--	--	--	--
03/31/05	--	--	ND<50	--	--	--	--	--	--	--	--	--
09/30/05	--	--	ND<250	--	--	--	--	--	--	--	--	--
03/27/06	--	--	ND<250	--	--	--	--	--	--	--	--	--
09/27/06	--	--	ND<250	--	--	--	--	--	--	--	--	--
03/27/07	--	--	ND<250	--	--	--	--	--	--	--	--	--
09/28/07	--	--	ND<250	--	--	--	--	--	--	--	--	--
03/26/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
07/28/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
01/26/09	--	--	ND<250	--	--	--	--	--	--	--	--	--
MW-3												
02/04/04	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
08/11/04	--	--	ND<20000	--	--	--	--	--	--	--	--	--
03/31/05	--	--	ND<20000	--	--	--	--	--	--	--	--	--
09/30/05	--	--	ND<12000	--	--	--	--	--	--	--	--	--
03/27/06	--	--	ND<12000	--	--	--	--	--	--	--	--	--
09/27/06	--	--	ND<62000	--	--	--	--	--	--	--	--	--
03/27/07	--	--	ND<6200	--	--	--	--	--	--	--	--	--
09/28/07	--	--	ND<25000	--	--	--	--	--	--	--	--	--
03/26/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
07/28/08	--	--	ND<25000	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	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)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)	Trichloro-ethene (TCE) (µg/l)
MW-5 continued												
01/26/09	--	--	ND<250	--	--	--	--	--	--	--	--	--
MW-6												
02/04/04	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
08/11/04	--	--	ND<5000	--	--	--	--	--	--	--	--	--
03/31/05	--	--	ND<5000	--	--	--	--	--	--	--	--	--
09/30/05	--	--	ND<250	--	--	--	--	--	--	--	--	--
03/27/06	--	--	ND<250	--	--	--	--	--	--	--	--	--
09/27/06	--	--	ND<6200	--	--	--	--	--	--	--	--	--
03/27/07	--	--	ND<1200	--	--	--	--	--	--	--	--	--
09/28/07	--	--	ND<2500	--	--	--	--	--	--	--	--	--
03/26/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
07/28/08	--	--	ND<500	--	--	--	--	--	--	--	--	--
01/26/09	--	--	ND<250	--	--	--	--	--	--	--	--	--
MW-7												
02/04/04	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
08/11/04	--	--	ND<5000	--	--	--	--	--	--	--	--	--
03/31/05	--	--	ND<5000	--	--	--	--	--	--	--	--	--
09/30/05	--	--	ND<250	--	--	--	--	--	--	--	--	--
03/27/06	--	--	ND<250	--	--	--	--	--	--	--	--	--
09/27/06	--	--	ND<6200	--	--	--	--	--	--	--	--	--
03/27/07	--	--	ND<500	--	--	--	--	--	--	--	--	--
09/28/07	--	--	ND<5000	--	--	--	--	--	--	--	--	--
03/26/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
07/28/08	--	--	ND<250	--	--	--	--	--	--	--	--	--
01/26/09	--	--	ND<250	--	--	--	--	--	--	--	--	--

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Cadmium (dissolved) (mg/l)	Calcium (mg/l)	Chromium (total) (mg/l)	Iron (total) (mg/l)	Lead (total) (mg/l)	Manganese (dissolved) (mg/l)	Nickel (total) (mg/l)	Zinc (dissolved) (mg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (bicarb.) (mg/l)	BOD (mg/l)
MW-1												
12/30/91	ND	--	0.0078	--	0.0057	--	ND	0.046	--	--	--	--
04/02/92	ND	--	0.015	--	0.016	--	ND	0.02	--	--	--	--
06/30/92	ND	--	0.079	--	0.009	--	0.1	0.087	--	--	--	--
04/10/96	--	21	--	15	--	2.6	--	--	--	--	160	--
MW-2												
01/03/96	--	27	--	77	--	3.0	--	--	0.22	97	130	2.2
04/10/96	--	58	--	60	--	7.0	--	--	--	--	460	--
MW-3												
01/03/96	--	43	--	--	--	--	--	--	--	16	--	--

COORDINATED EVENT DATA

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-1	8/13/1993	17.40	11.75	20,000	8,500	640	280	440	-	-	
29.15	12/14/1993	17.27	11.88	17,000	9,200	1,200	4,400	540	-	-	
	4/15/1994	17.00	12.15	9,500	3,600	530	160	280	-	-	
	12/29/1994	16.40	12.75	-	-	-	-	-	-	-	
	7/19/1996	15.83	13.32	17,000	5,200	1,100	330	530	-	-	sheen/odor
	1/27/1997	13.58	15.57	30,000	9,800	1,300	790	880	400	-	b,sheen/odor
	6/18/1997	16.11	13.04	19,000	5,600	1,400	510	770	1,200	800	a,b
	9/18/1997	16.62	12.53	48,000	18,000	4,400	1,000	1,700	ND<640	-	b
	12/10/1997	15.93	13.22	22,000	4,900	1,300	580	650	460	260	a,b,odor
	2/18/1998	11.56	17.59	16,000	5,000	750	400	780	1,800	-	b
	5/12/1998	13.53	15.62	19,000	4,600	810	450	770	5,500	-	b,c
	8/18/1998	15.19	13.96	12,000	3,600	1,300	300	570	5,100	3,700	a,b
	11/24/1998	15.67	13.48	13,000	3,600	890	330	380	6,100	-	b
	2/4/1999	15.31	13.84	20,000	5,900	830	450	500	4,900	-	b
	5/18/1999	14.95	14.20	23,000	7,000	1,600	520	830	6,100	-	b
	8/27/1999	15.84	13.31	19,000	5,800	1,700	410	710	1,800	2,100	a,b
	11/18/1999	16.39	12.76	20,000	4,900	630	410	580	4,900	3,600	b
	2/29/2000	13.43	15.72	12,000	2,800	24	290	170	3,100	3,400	a
	5/25/2000	15.08	14.07	12,000	2,200	120	330	260	9,100	12,000	a,b
	8/9/2000	16.09	13.06	13,000	2,500	44	310	140	16,000	-	b
	11/9/2000	15.90	13.25	11,000	2,500	140	380	150	11,000	12,000	b
	1/29/2001	16.05	13.10	9,600	3,100	100	77	200	2,600	2,400	b
	4/16/2001	16.90	12.25	3,300	1,200	4.4	2.7	28	900	940	b
	8/14/2001	17.13	12.02	2,000	500	3.4	24	7.8	68	53	a
	10/22/2001	16.11	13.04	220	83	0.63	2.8	ND<0.5	ND<10	5.7	a
	2/1/2002	16.93	12.22	640	220	1.7	4.7	0.57	ND<10	-	a
	5/10/2002	15.09	14.06	230	26	0.97	ND<0.5	ND<0.5	ND<5.0	-	a
	7/8/2002	15.20	13.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/2/2002	15.70	13.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/23/2003	15.09	14.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	13.02	16.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
26.17	7/18/2003	14.50	11.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.81	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/28/2004	13.09	13.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.97	11.20	180	60	0.56	1.9	ND<0.5	ND<5.0	-	a
	7/23/2004	14.15	12.02	130	36	ND<0.5	0.65	ND<0.5	ND<5.0	-	a
	10/12/2004	16.30	9.87	ND<50	2.5	1.5	ND<0.5	0.86	ND<5.0	-	
	2/14/2005	13.85	12.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.35	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	7/19/2005	14.68	11.49	4,500	1,400	6.5	160	58	630	-	a
	10/18/2005	15.15	11.02	1,700	340	ND<5.0	28	ND<5.0	8,000	7,200	a
	1/23/2006	13.27	12.90	3,100	790	6.5	79	32	4,200	5,100	a
	4/12/2006	12.33	13.84	7,200	2,600	110	350	320	5,600	4,000	a
	7/10/2006	14.93	11.24	2,700	550	4.2	77	47	5,500	8,300	a
	10/16/2006	16.51	9.66	2,000	470	6.4	38	13	6,300	6,400	a
	1/26/2007	16.87	9.30	3,300	600	36	34	27	6,200	5,900	a
	4/18/2007	16.77	9.40	5,400	1,400	170	210	350	3,600	4,700	a,i
	8/2/2007	17.21	8.96	6,100	1,200	130	140	240	5,300	5,400	a
	10/23/2007	17.67	8.50	2,600	740	53	60	110	5,800	6,900	a,h,Sheen^{Lab}
	1/30/2008	16.66	9.51	1,900	380	2.6	15	20	2,400	2,800	a
	4/18/2008	17.14	9.03	1,500	320	4.5	13	25	2,900	2,900	a
	7/28/2008	17.70	8.47	1,100	240	3.6	6.9	15	1,600	1,800	a

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-2	1/30/2008	16.99	10.54	52,000	2,700	11,000	1,700	7,300	5,300	4,700	a
(cont.)	4/18/2008	17.41	10.12	64,000	3,400	13,000	1,800	8,100	ND<4,000	2,200	a,h,i
	7/28/2008	17.99	9.54	51,000	2,000	6,200	1,300	2,700	ND<2,600	1,500	a,i,Sheen[Field]
	12/5/2008	18.56	8.97	74,000	2,200	12,000	1,700	7,500	2,500	1,900	a,i,Sheen[Field]
	1/26/2009	**18.20**	**9.33**	**90,000**	**2,800**	**14,000**	**1,800**	**9,500**	**<3,500**	**1,600**	**a,h,i,Sheen[Field & Lab]**
MW-3	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	No SVOCs.
29.77	12/14/1993	17.70	12.07	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
	4/15/1994	17.40	12.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	12/29/1994	16.80	12.97	-	-	-	-	-	-	-	
	7/19/1996	16.28	13.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.83	15.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.53	13.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	17.07	12.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	11.80	17.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.85	15.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.57	14.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.04	13.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	17.80	11.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.29	14.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.77	13.00	-	-	-	-	-	-	-	
	2/29/2000	13.71	16.06	ND<50	2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.46	14.31	-	-	-	-	-	-	-	
	8/9/2000	16.46	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.25	13.52	-	-	-	-	-	-	-	
	1/29/2001	16.52	13.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.95	12.82	-	-	-	-	-	-	-	
	8/14/2001	17.11	12.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.50	13.27	-	-	-	-	-	-	-	
	2/1/2002	16.90	12.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.03	14.74	-	-	-	-	-	-	-	
	7/8/2002	14.45	15.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	15.03	14.74	-	-	-	-	-	-	-	
	1/23/2003	15.48	14.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.49	17.28	-	-	-	-	-	-	-	
26.79	7/18/2003	14.80	11.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.13	12.66	-	-	-	-	-	-	-	
	1/28/2004	13.47	13.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.41	11.38	-	-	-	-	-	-	-	
	7/23/2004	14.54	12.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/12/2004	16.58	10.21	-	-	-	-	-	-	-	
	2/14/2005	14.19	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.68	13.11	-	-	-	-	-	-	-	
	7/19/2005	15.15	11.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/18/2005	15.60	11.19	-	-	-	-	-	-	-	
	1/23/2006	13.65	13.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	260	
	4/12/2006	11.94	14.85	-	-	-	-	-	-	-	
	7/10/2006	14.48	12.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,100	1,600	
	10/16/2006	16.19	10.60	-	-	-	-	-	-	-	
	1/26/2007	16.56	10.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,500	3,400	

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

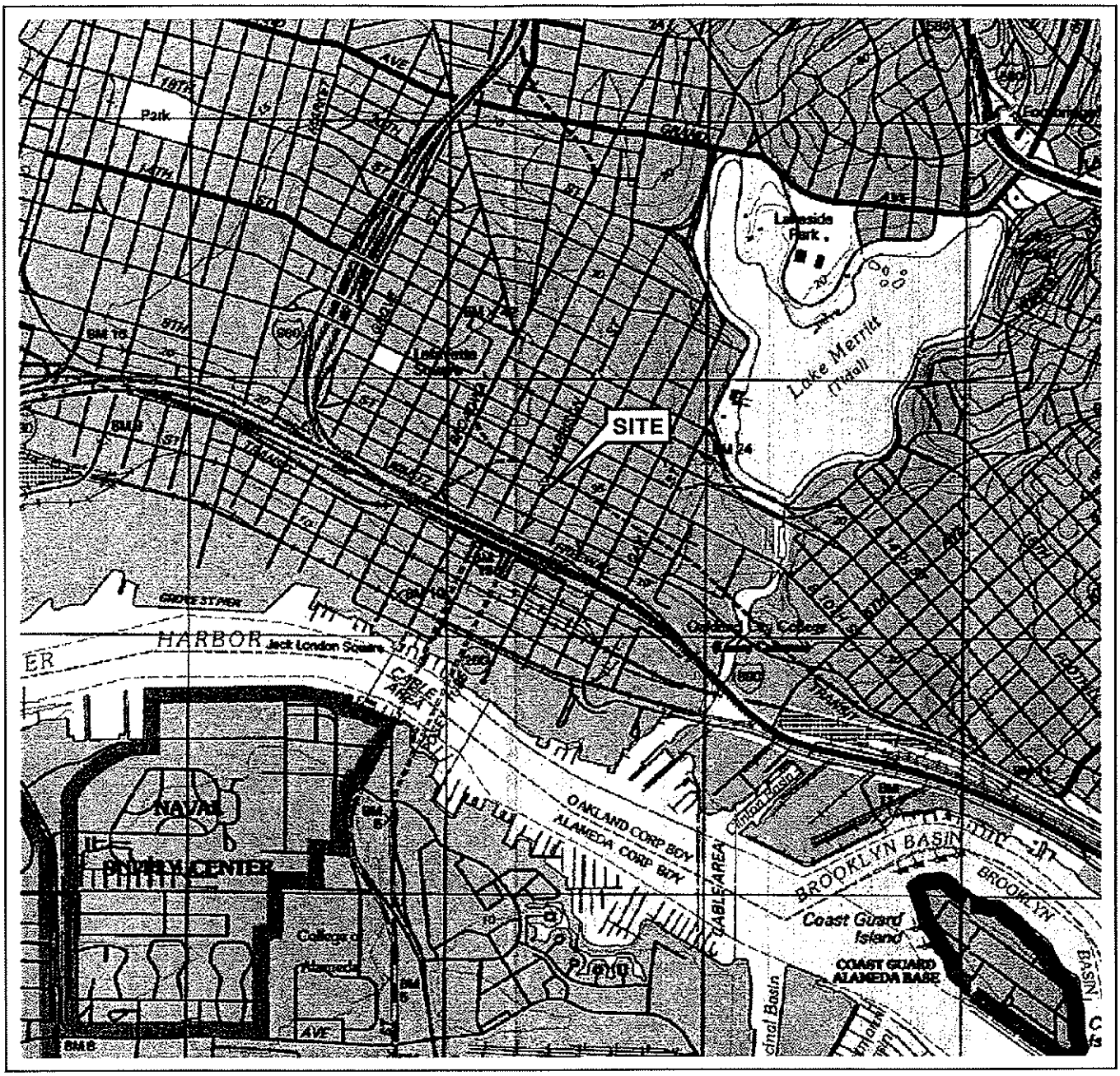
Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-4	10/16/2006	17.21	10.99	3,200	440	26	34	63	7,800	7,500	a
(cont.)	1/26/2007	17.58	10.62	2,000	290	20	28	42	8,300	8,300	a
	4/18/2007	17.46	10.74	2,300	350	28	38	42	5,900	7,800	a,i
	8/2/2007	17.95	10.25	3,600	480	33	47	72	7,500	9,000	a
	10/23/2007	18.41	9.79	1,700	280	13	27	25	7,000	8,800	a
	1/30/2008	17.49	10.71	1,300	130	4.9	13	12	6,500	8,200	a
	4/18/2008	17.90	10.30	2,300	240	14	25	27	6,900	6,400	a
	7/28/2008	18.49	9.71	3,400	390	100	33	100	4,600	5,000	a
	12/5/2008	19.07	9.13	2,400	310	30	41	67	2,100	1,700	a,i
	1/26/2009	**18.71**	**9.49**	**1,600**	**180**	**14**	**21**	**33**	**1,300**	**1,200**	**a,Sheen[Field]**
MW-5	12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-	
28.04	12/29/1994	16.10	11.94	-	-	-	-	-	-	-	
	7/19/1996	15.49	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.60	14.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	15.55	12.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	16.16	11.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	15.41	12.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	10.93	17.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.25	14.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	14.75	13.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	15.15	12.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	14.61	13.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	14.15	13.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.43	12.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	15.97	12.07	-	-	-	-	-	-	-	
	2/29/2000	13.16	14.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	14.72	13.32	-	-	-	-	-	-	-	
	8/9/2000	15.68	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	15.39	12.65	-	-	-	-	-	-	-	
	1/29/2001	15.97	12.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.24	11.80	-	-	-	-	-	-	-	
	8/14/2001	17.39	10.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	15.90	12.14	-	-	-	-	-	-	-	
	2/1/2002	16.55	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.12	12.92	-	-	-	-	-	-	-	
	7/8/2002	15.92	12.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.42	11.62	-	-	-	-	-	-	-	
	1/23/2003	14.90	13.14	ND<50	20	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.05	15.99	-	-	-	-	-	-	-	
25.07	7/18/2003	14.28	10.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.36	11.71	-	-	-	-	-	-	-	
	1/28/2004	12.68	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.71	10.36	-	-	-	-	-	-	-	
	7/23/2004	13.49	11.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	10/12/2004	15.88	9.19	-	-	-	-	-	-	-	
	2/14/2005	13.22	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/27/2005	13.40	11.67	-	-	-	-	-	-	-	
	7/19/2005	14.21	10.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	10/18/2005	14.79	10.28	-	-	-	-	-	-	-	
	1/23/2006	13.12	11.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/12/2006	11.39	13.68	-	-	-	-	-	-	-	

TABLE 2

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-6	4/12/2006	12.66	13.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
(cont.)	7/10/2006	14.64	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/16/2006	16.50	9.63	-	-	-	-	-	-	-	
	1/26/2007	16.83	9.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.72	9.41	-	-	-	-	-	-	-	
	8/2/2007	17.13	9.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/23/2007	17.71	8.42	-	-	-	-	-	-	-	
	1/30/2008	16.54	9.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	17.02	9.11	-	-	-	-	-	-	-	
	7/28/2008	17.50	8.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	12/5/2008	17.89	8.24	-	-	-	-	-	-	-	
	1/26/2009	**17.61**	**8.52**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5**	**ND<0.5**	
MW-7	12/16/1994	17.07	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
29.67	12/29/1994	17.65	12.02	-	-	-	-	-	-	-	
	7/19/1996	16.44	13.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/27/1997	15.09	14.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.59	13.08	73	ND<0.5	0.55	ND<0.5	ND<0.5	ND<5.0	-	d
	9/18/1997	17.06	12.61	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	b,f
	12/10/1997	16.58	13.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	12.60	17.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	14.81	14.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.67	14.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.30	13.37	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	2/4/1999	15.99	13.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.42	14.25	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	8/27/1999	16.35	13.32	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.81	12.86	--	--	--	--	--	--	-	
	2/29/2000	14.16	15.51	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	f
	5/25/2000	15.54	14.13	--	--	--	--	--	--	-	
	8/9/2000	16.56	13.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.45	13.22	-	-	-	-	-	-	-	
	1/29/2001	16.92	12.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	17.03	12.64	-	-	-	-	-	-	-	
	8/14/2001	17.27	12.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.95	12.72	-	-	-	-	-	-	-	
26.70	2/1/2002	16.14	13.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.30	14.37	-	-	-	-	-	-	-	
	7/8/2002	15.73	13.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.24	13.43	-	-	-	-	-	-	-	
	1/23/2003	15.70	13.97	ND<50	23	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.68	16.99	-	-	-	-	-	-	-	
	7/18/2003	15.19	11.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.45	12.25	-	-	-	-	-	-	-	
	1/28/2004	13.88	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.71	10.99	-	-	-	-	-	-	-	
	7/23/2004	14.85	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	130	120	
	10/12/2004	16.90	9.80	-	-	-	-	-	-	-	
	2/14/2005	14.42	12.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	190	200	
	4/27/2005	13.75	12.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.3	
	7/19/2005	14.91	11.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	66	
	10/18/2005	15.40	11.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	15	

FIGURES



N

SOURCE:

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

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

SCALE 1: 24,000

TRC

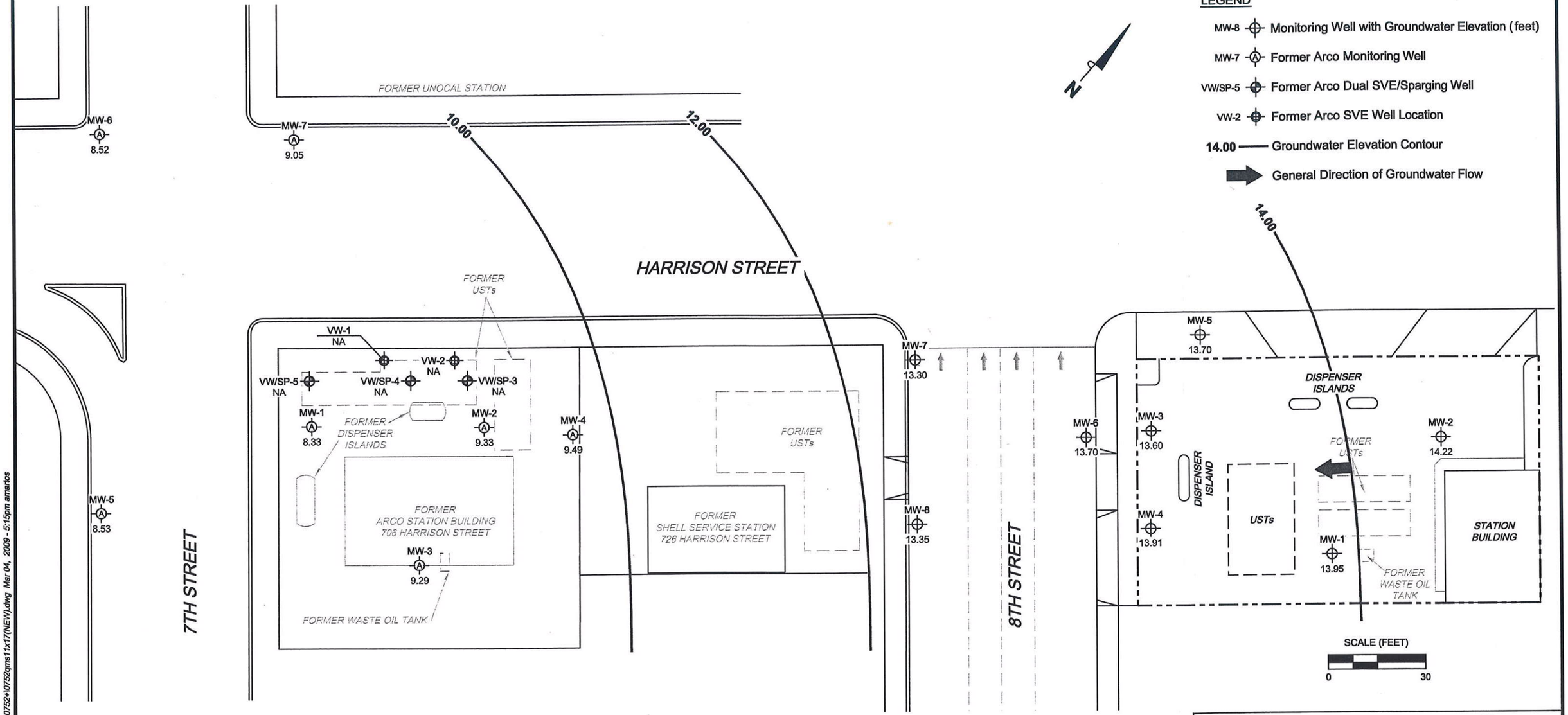
FACILITY:

76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\0752vm.dwg Jan 19, 2009 - 2:17pm oakers



NOTES:

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

PROJECT:	165521
FACILITY:	76 STATION 0752 800 HARRISON STREET OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP January 26, 2009	
TRC	**FIGURE 2**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms11x17(NEW).dwg Mar 04, 2009 - 5:15pm emartos

LEGEND

MW-8 — Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

MW-7 — Former Arco Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

VW/SP-5 — Former Arco Dual SVE/Sparging Well

VW-2 — Former Arco SVE Well Location

10,000 — Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)

N

HARRISON STREET

7TH STREET

8TH STREET

FORMER UNOCAL STATION

MW-6 ND<50

MW-7 ND<50

MW-5 ND<50

VW-1 NA

VW-2 NA

VW/SP-5 NA

VW/SP-4 NA

VW/SP-3 NA

MW-1 540

MW-2 90000

MW-4 1600

MW-3 ND<50

FORMER DISPENSER ISLANDS

FORMER ARCO STATION BUILDING 705 HARRISON STREET

FORMER WASTE OIL TANK

FORMER USTs

FORMER SHELL SERVICE STATION 726 HARRISON STREET

MW-7 80

MW-8 ND<50

MW-5 1400

MW-6 570

MW-3 8800

MW-4 500

MW-2 ND<50

MW-1 ND<50

DISPENSER ISLANDS

USTs

STATION BUILDING

FORMER WASTE OIL TANK

SCALE (FEET)

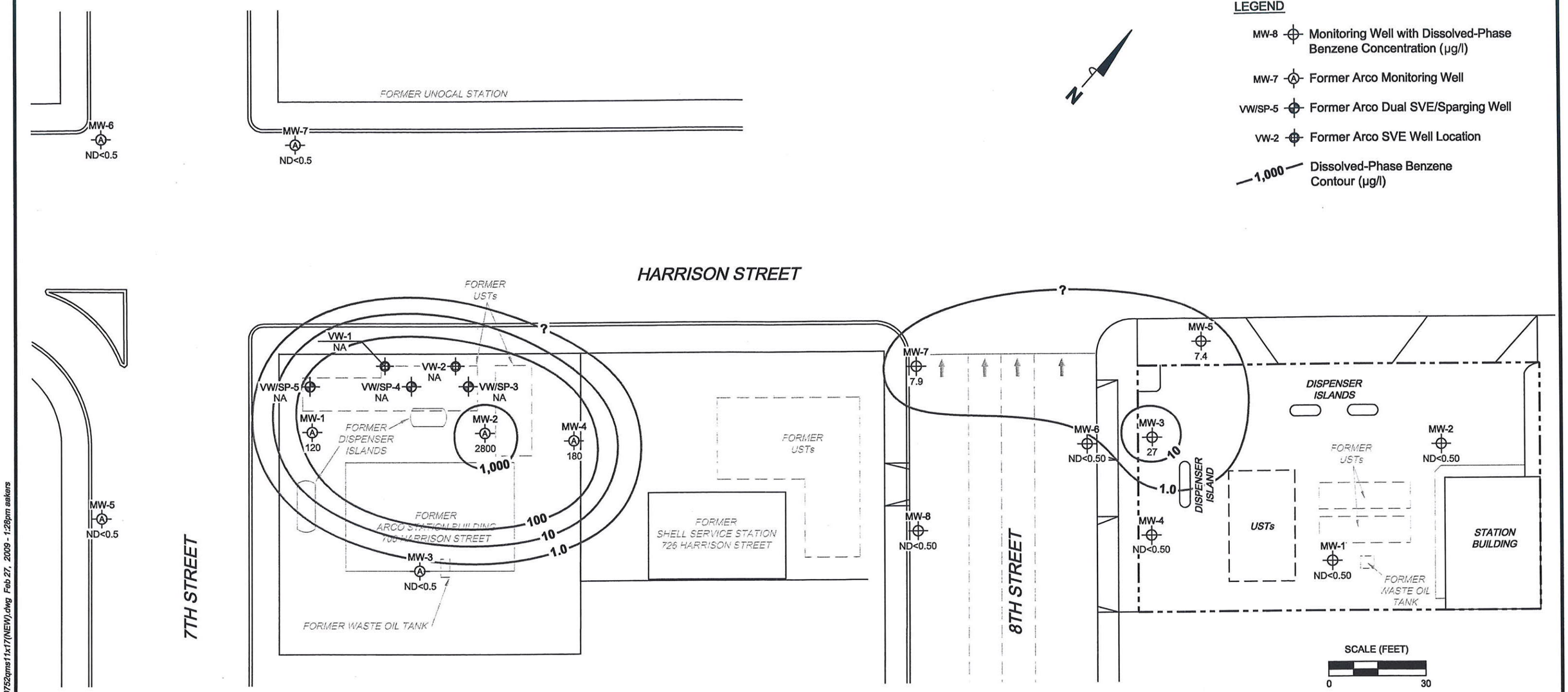
0 30

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B. TPH-G = total petroleum hydrocarbons as gasoline. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Former Arco data provided by CRA; TPH-G results obtained using EPA Method 8015.

PROJECT:	165521
FACILITY:	76 STATION 0752 800 HARRISON STREET OAKLAND, CALIFORNIA
DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP January 26, 2009	
TRC	**FIGURE 3**

MS=1:1 0752-003 L:\Graphics\QMS NORTH-SOUTH\x-0000\0752+\0752qms11x17(NEW).dwg Feb 27, 2009 - 1:11pm eakers



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Former Arco data provided by CRA.

PROJECT:	165521
FACILITY:	76 STATION 0752 800 HARRISON STREET OAKLAND, CALIFORNIA
DISSOLVED-PHASE BENZENE CONCENTRATION MAP January 26, 2009	
TRC	**FIGURE 4**

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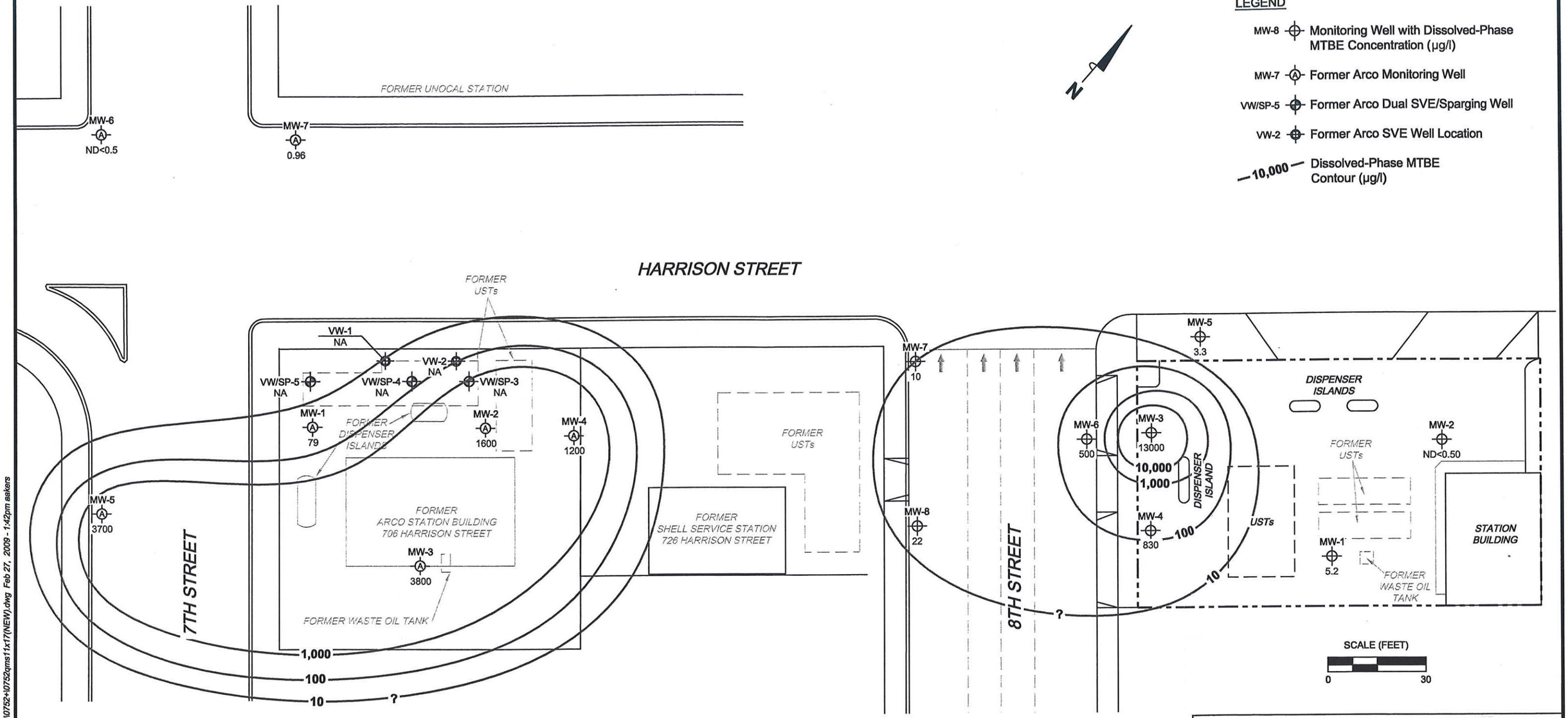


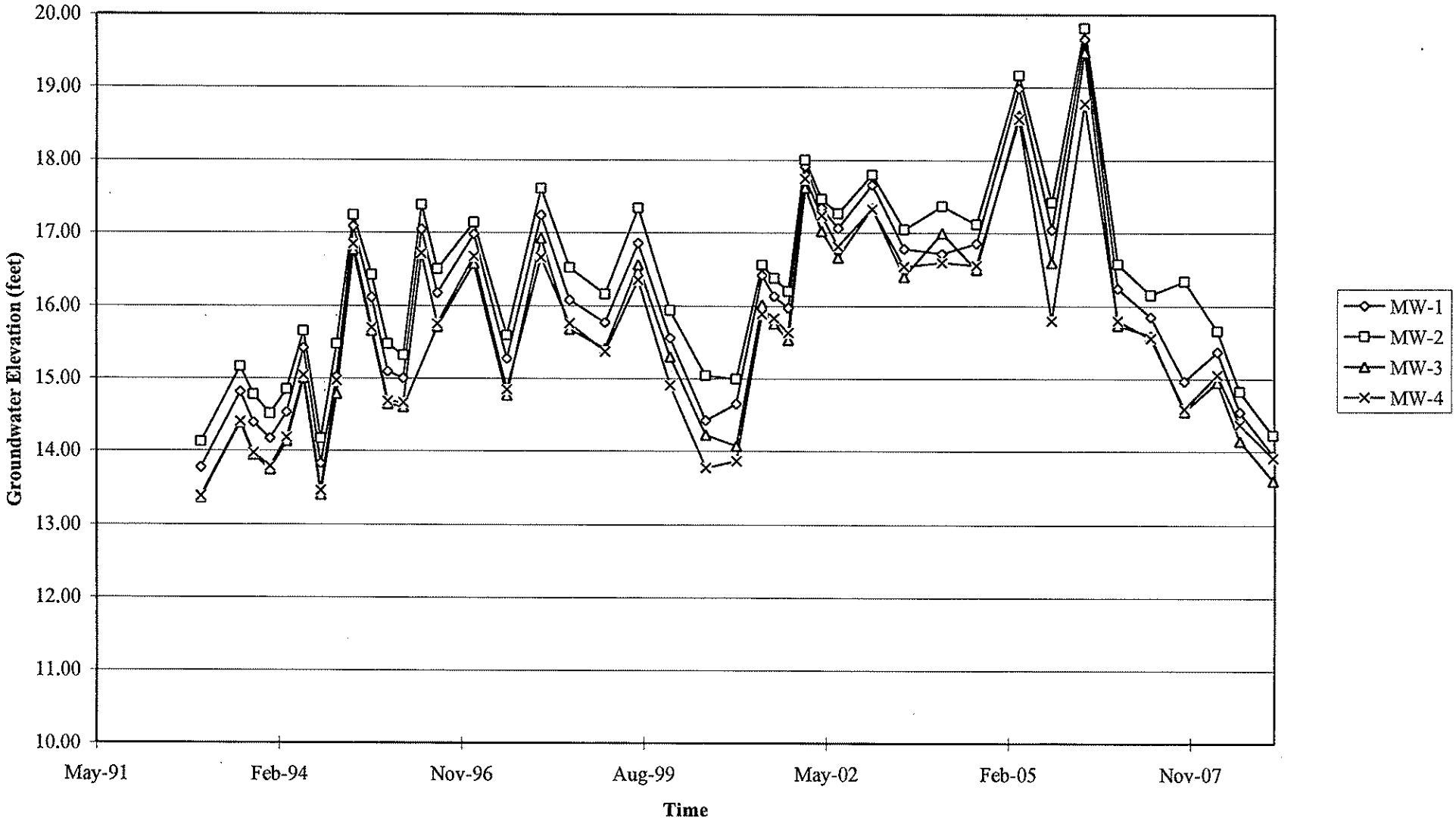
NOTES:

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

PROJECT:	165521
FACILITY:	76 STATION 0752 800 HARRISON STREET OAKLAND, CALIFORNIA
DISSOLVED-PHASE MTBE CONCENTRATION MAP January 26, 2009	
TRC	**FIGURE 5**

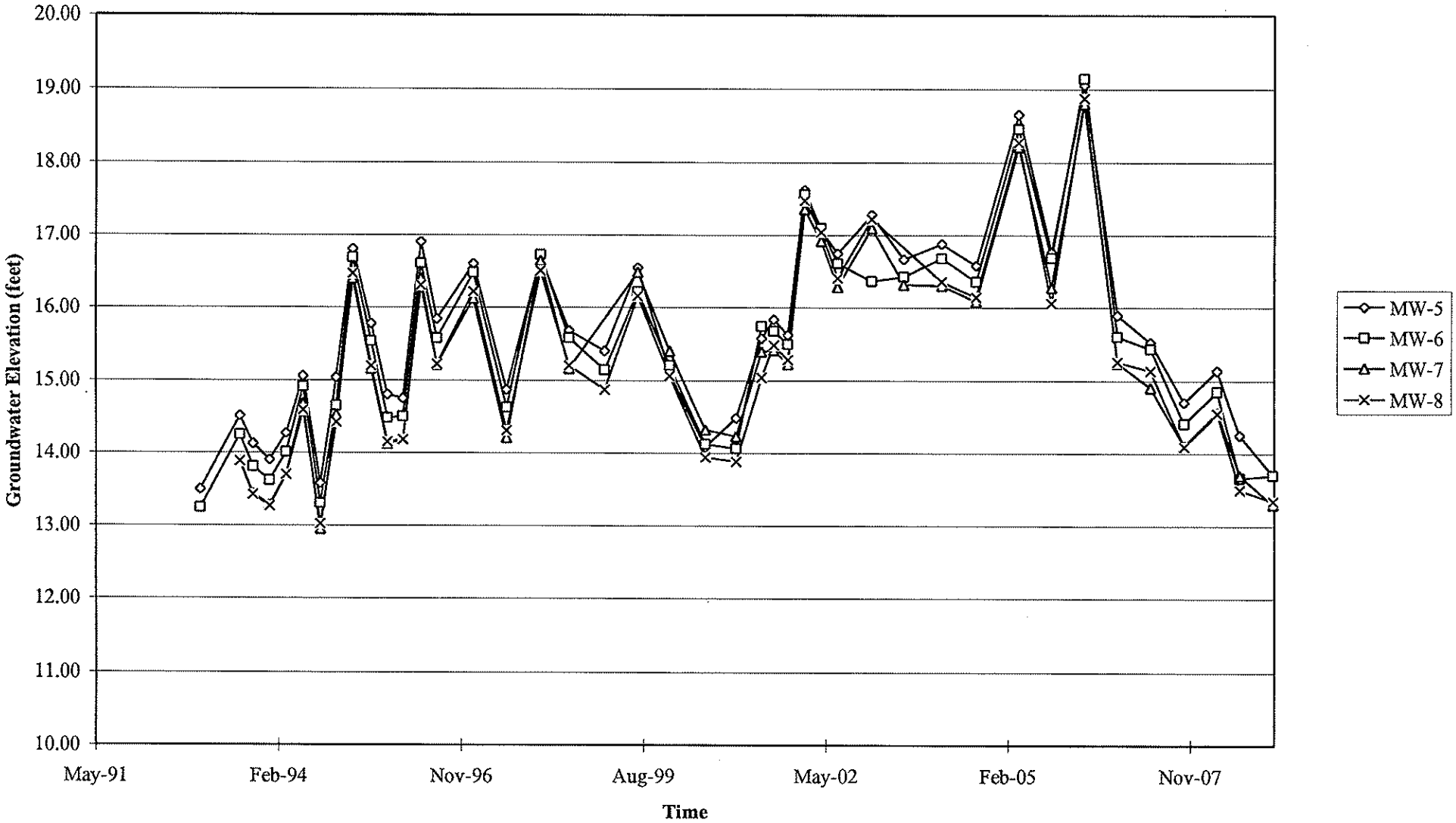
GRAPHS

Groundwater Elevations vs. Time
76 Station 0752



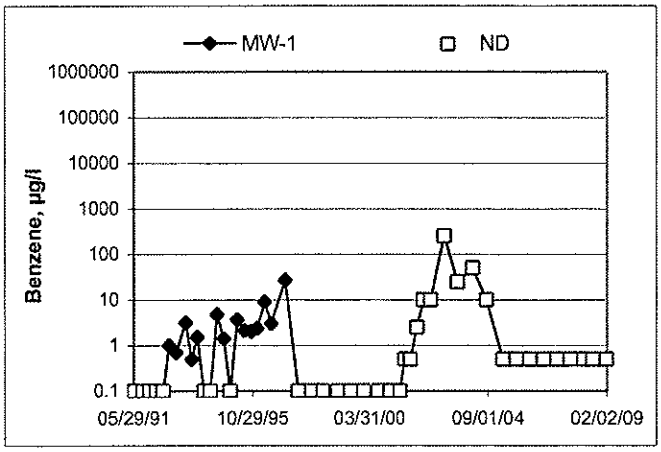
Elevations may have been corrected for apparent changes due to resurvey

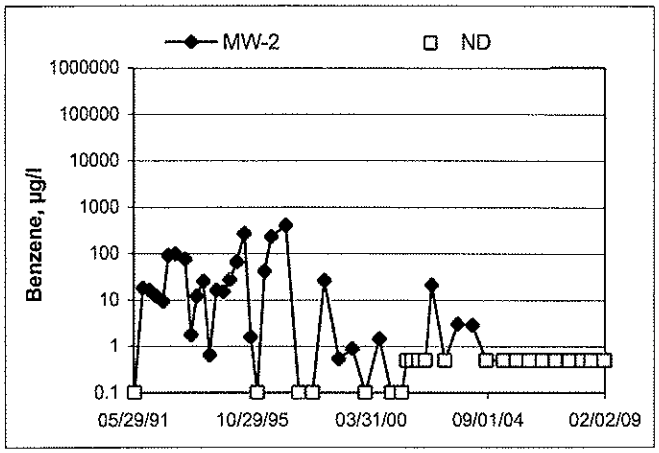
Groundwater Elevations vs. Time
76 Station 0752

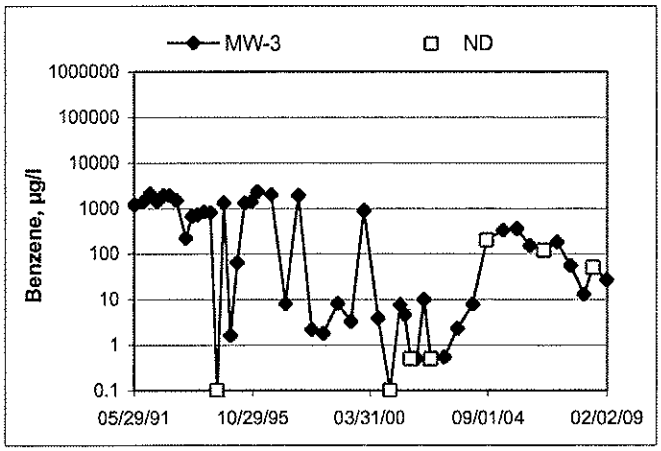


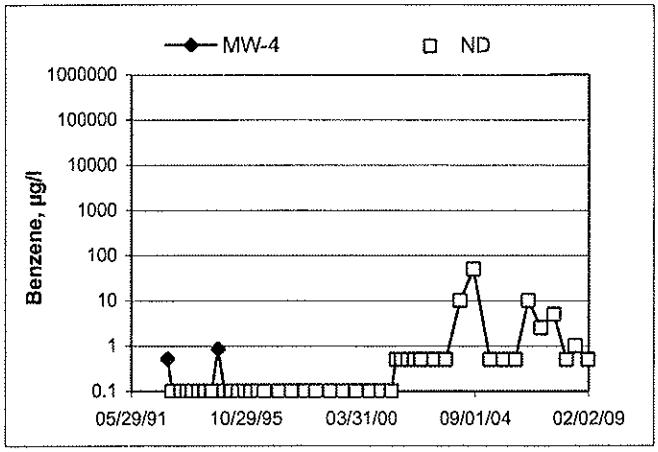
Elevations may have been corrected for apparent changes due to resurvey

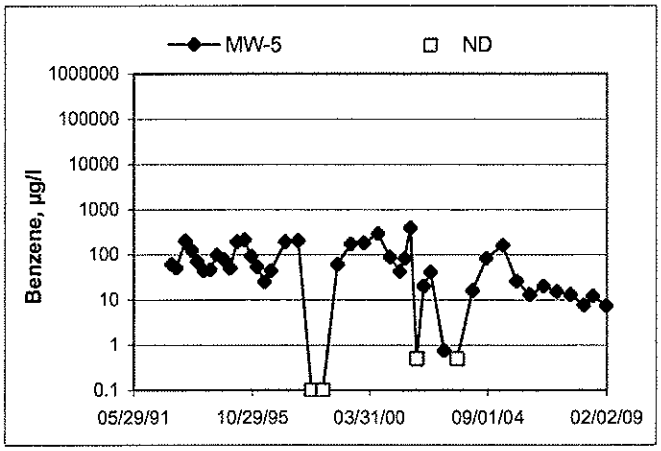
Benzene Concentrations vs Time
76 Station 0752

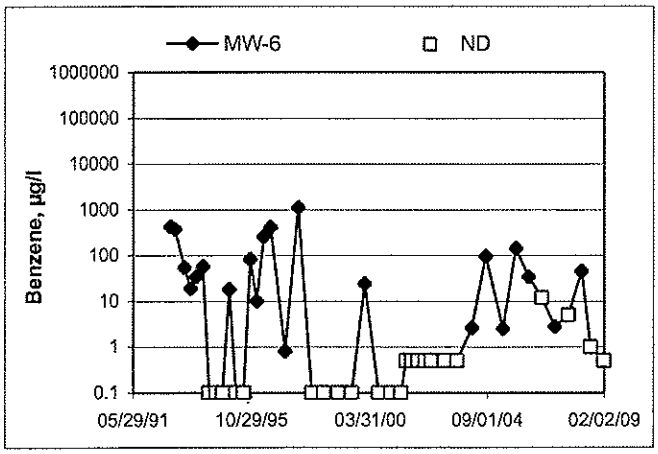


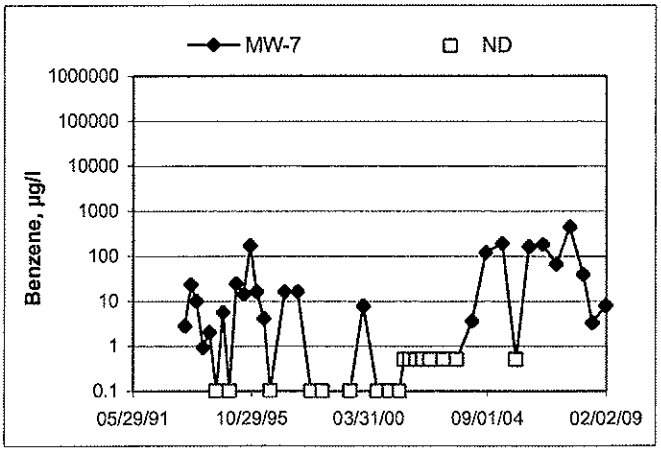


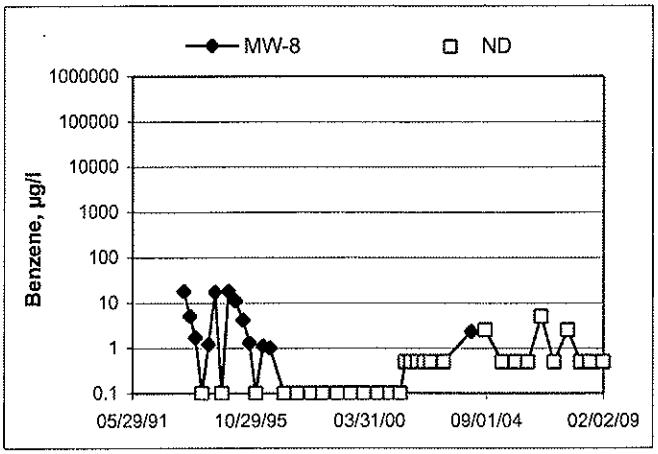












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular car e is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted is specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging, and sampling activit ies. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Basilio Job #/Task #: 165521-FA20 Date: 1-26-09

Site # 0752 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-8	✓	0538	28.55	18.65	—	—	0605	2"
MW-7	✓	0543	31.50	18.90	—	—	0627	2"
MW-2	✓	0657	30.80	20.50	—	—	0747	2"
MW-1	✓	0701	33.60	20.74	—	—	0810	2"
MW-6	✓	0708	30.55	18.46	—	—	0836	2"
MW-4	✓	0712	32.30	18.80	—	—	0857	2"
MW-3	✓	0716	30.55	19.54	—	—	0920	2"
MW-5	✓	0720	31.70	19.25	—	—	0950	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: BAsilio

Site: 0752 Project No.: 165521 Date: 1-26-09

Well No. MW-8 Purge Method: SUB

Depth to Water (feet): 18.65 Depth to Product (feet): —

Total Depth (feet) 28.55 LPH & Water Recovered (gallons): —

Water Column (feet): 9.90 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.63 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0553			2	587.4	7.1	8.70			
			4	624.6	12.6	7.82			
	0558		6	451.7	15.4	7.21			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.74	6	0605

Comments:

Well No. MW-7 Purge Method: SUB

Depth to Water (feet): 18.90 Depth to Product (feet): —

Total Depth (feet) 31.50 LPH & Water Recovered (gallons): —

Water Column (feet): 12.60 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 21.42 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0615			3	222.9	12.9	7.23			
			6	216.2	16.2	7.17			
	0620		9	235.5	17.7	7.10			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.10	9	0627

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basile

Site: 0752 Project No.: 165521 Date: 1-26-09

Well No. MW-2 Purge Method: Sub

Depth to Water (feet): 20.50 Depth to Product (feet): —

Total Depth (feet) 30.80 LPH & Water Recovered (gallons): —

Water Column (feet): 10.30 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 22.56 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0737			2	461.5	10.8	7.14			
			4	426.3	13.9	7.08			
	0741		6	387.7	15.9	7.06			

Static at Time Sampled	Total Gallons Purged	Sample Time
20.80	6	0747

Comments:

Well No. MW-1 Purge Method: Sub

Depth to Water (feet): 20.74 Depth to Product (feet): —

Total Depth (feet) 33.60 LPH & Water Recovered (gallons): —

Water Column (feet): 12.86 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 23.31 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0758			3	165.3	13.3	7.32			
			6	158.9	16.0	7.25			
	0804		9	168.1	17.2	7.11			

Static at Time Sampled	Total Gallons Purged	Sample Time
21.30	9	0810

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: B Asche

Site: 0752 Project No.: 165521 Date: 1-26-09

Well No. MW-6 Purge Method: SUB

Depth to Water (feet): 18.46 Depth to Product (feet): —

Total Depth (feet) 30.55 LPH & Water Recovered (gallons): —

Water Column (feet): 12.09 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.87 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0826			2	255.8	12.0	6.84			
			4	248.1	15.9	6.83			
	0830		6	235.1	17.2	6.86			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.90	6	0836

Comments:

Well No. MW-4 Purge Method: SUB

Depth to Water (feet): 18.80 Depth to Product (feet): —

Total Depth (feet) 32.30 LPH & Water Recovered (gallons): —

Water Column (feet): 13.50 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 21.50 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0845			3	276.0	14.6	6.64			
			6	280.1	17.3	6.45			
	0850		9	262.5	18.6	6.43			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.60	9	0857

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: PDAsilio

Site: 0752 Project No.: 165521 Date: 1-26-09

Well No. MW-3 Purge Method: SUB

Depth to Water (feet): 19.54 Depth to Product (feet): —

Total Depth (feet) 30.55 LPH & Water Recovered (gallons): —

Water Column (feet): 11.01 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 21.74 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
0910			2	518.0	15.6	6.38			
			4	503.6	17.7	6.46			
	0915		6	467.2	18.6	6.57			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.94	6	0920

Comments:

Well No. MW-5 Purge Method: SUB

Depth to Water (feet): 19.25 Depth to Product (feet): —

Total Depth (feet) 31.70 LPH & Water Recovered (gallons): —

Water Column (feet): 12.45 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 21.74 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
0936			3	383.0	16.1	6.77			
			6	352.9	18.2	6.74			
	0942		9	326.6	19.2	6.77			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.50	9	0950

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 02/02/2009

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 0752
BC Work Order: 0901071
Invoice ID: B056665

Enclosed are the results of analyses for samples received by the laboratory on 1/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC 21 Technology Drive Irvine, CA 92618	Project: 0752 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/02/2009 13:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0901071-05	**COC Number:**	---	**Receive Date:**	01/26/2009 21:30	Delivery Work Order:
	Project Number:	0752	**Sampling Date:**	01/26/2009 08:36	Global ID: T0600101486
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-6
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0901071-06	**COC Number:**	---	**Receive Date:**	01/26/2009 21:30	Delivery Work Order:
	Project Number:	0752	**Sampling Date:**	01/26/2009 08:57	Global ID: T0600101486
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0901071-07	**COC Number:**	---	**Receive Date:**	01/26/2009 21:30	Delivery Work Order:
	Project Number:	0752	**Sampling Date:**	01/26/2009 09:20	Global ID: T0600101486
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-3
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0901071-08	**COC Number:**	---	**Receive Date:**	01/26/2009 21:30	Delivery Work Order:
	Project Number:	0752	**Sampling Date:**	01/26/2009 09:50	Global ID: T0600101486
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-5
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC
21 Technology Drive
Irvine, CA 92618

Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/02/2009 13:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0901071-02 | **Client Sample Name:** 0752, MW-7, 1/26/2009 6:27:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**7.9**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 16:36**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507	ND	
Methyl t-butyl ether	**10**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 16:36**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Toluene	**0.58**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 16:36**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507	ND	
Ethanol	ND	ug/L	250		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507	ND	
Total Purgeable Petroleum Hydrocarbons	**80**	**ug/L**	**50**		**EPA-8260**	**01/27/09**	**01/27/09 16:36**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507		
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:36	KEA	MS-V10	1	BSA1507		

TRC 21 Technology Drive Irvine, CA 92618	Project: 0752 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/02/2009 13:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0901071-04 | **Client Sample Name:** 0752, MW-1, 1/26/2009 8:10:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
Methyl t-butyl ether	**5.2**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 16:00**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
Ethanol	ND	ug/L	250		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507		
Toluene-d8 (Surrogate)	96.0	%	88 - 110 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 16:00	KEA	MS-V10	1	BSA1507		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/02/2009 13:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0901071-06 | **Client Sample Name:** 0752, MW-4, 1/26/2009 8:57:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507	ND	
Methyl t-butyl ether	**830**	**ug/L**	**5.0**		**EPA-8260**	**01/27/09**	**01/28/09 02:56**	**KEA**	**MS-V10**	**10**	**BSA1507**	**ND**	**A01**
Toluene	ND	ug/L	0.50		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507	ND	
Ethanol	ND	ug/L	250		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507	ND	
Total Purgeable Petroleum Hydrocarbons	**500**	**ug/L**	**50**		**EPA-8260**	**01/27/09**	**01/27/09 15:25**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	**A90**
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	01/27/09	01/28/09 02:56	KEA	MS-V10	10	BSA1507		
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507		
Toluene-d8 (Surrogate)	95.7	%	88 - 110 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507		
Toluene-d8 (Surrogate)	95.5	%	88 - 110 (LCL - UCL)		EPA-8260	01/27/09	01/28/09 02:56	KEA	MS-V10	10	BSA1507		
4-Bromofluorobenzene (Surrogate)	93.7	%	86 - 115 (LCL - UCL)		EPA-8260	01/27/09	01/28/09 02:56	KEA	MS-V10	10	BSA1507		
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:25	KEA	MS-V10	1	BSA1507		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 0752
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/02/2009 13:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0901071-08 | **Client Sample Name:** 0752, MW-5, 1/26/2009 9:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**7.4**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Ethylbenzene	**2.5**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Methyl t-butyl ether	**3.3**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Toluene	**3.3**	**ug/L**	**0.50**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Total Xylenes	**11**	**ug/L**	**1.0**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
Ethanol	ND	ug/L	250		EPA-8260	01/27/09	01/27/09 15:07	KEA	MS-V10	1	BSA1507	ND	
Total Purgeable Petroleum Hydrocarbons	**1400**	**ug/L**	**50**		**EPA-8260**	**01/27/09**	**01/27/09 15:07**	**KEA**	**MS-V10**	**1**	**BSA1507**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:07	KEA	MS-V10	1	BSA1507		
Toluene-d8 (Surrogate)	93.5	%	88 - 110 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:07	KEA	MS-V10	1	BSA1507		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	01/27/09	01/27/09 15:07	KEA	MS-V10	1	BSA1507		

TRC	Project: 0752	**Reported:** 02/02/2009 13:29
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618	Project Manager: Anju Farfan	

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSA1507	BSA1507-BS1	LCS	21.930	25.000	0.50	ug/L	87.7		70 - 130		
Toluene	BSA1507	BSA1507-BS1	LCS	25.260	25.000	0.50	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSA1507	BSA1507-BS1	LCS	10.450	10.000		ug/L	104		76 - 114		
Toluene-d8 (Surrogate)	BSA1507	BSA1507-BS1	LCS	9.8000	10.000		ug/L	98.0		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSA1507	BSA1507-BS1	LCS	10.440	10.000		ug/L	104		86 - 115		
1,2-Dichloroethane-d4 (Surrogate)	BSA1673	BSA1673-BS1	LCS	9.6300	10.000		ug/L	96.3		76 - 114		
Toluene-d8 (Surrogate)	BSA1673	BSA1673-BS1	LCS	10.080	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSA1673	BSA1673-BS1	LCS	10.140	10.000		ug/L	101		86 - 115		

TRC	Project: 0752	**Reported:** 02/02/2009 13:29
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618	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.

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

CHAIN OF CUSTODY

0901071

Analysis Requested

Bill to: Conoco Phillips/ TRC

Address: 800 Harrison St.

City: Oakland

State: CA Zip:

Conoco Phillips Mgr: Terry Grayson

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

4-digit site#: 0752

Workorder # 01086-4511010882

Project #: 165521

Sampler Name: Basilio Del Real

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	TPH –G by GC/MS				Turnaround Time Requested
	-1	MW-8	1-26-09 0605	GW					X	X	X				STD
	-2	MW-7	0627	↓					↓	↓	↓				↓
	-3	MW-2	0747	↓					↓	↓	↓				↓
	-4	MW-1	0810	↓					↓	↓	↓				↓
	-5	MW-6	0836	↓					↓	↓	↓				↓
	-6	MW-4	0857	↓					↓	↓	↓				↓
	-7	MW-3	0920	↓					↓	↓	↓				↓
	-8	MW-5	0950	↓					↓	↓	↓				↓

CHK BY [signature] DISTRIBUTION SUB-OUT

Comments:

GLOBAL ID: T0600101486

Relinquished by: (Signature)	Received by:	Date & Time
[signature]	Cooler on Ice	1-26-09 1000
Relinquished by: (Signature) [signature]	Received by: Rosa Diaz	Date & Time 1/26/09 1444
Relinquished by: (Signature) Rosa Diaz 1/26/09	Received by: [signature]	Date & Time 1/26/09 1725
[signature] 1/26/09 2120	[signature]	1/26/09 2130

STATEMENTS

Purge Water Disposal

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

Limitations

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