ConocoPhillips
76 Broadway
Sacramento, California 95818

RECEIVED

2:18 pm, Aug 06, 2007

Alameda County
Environmental Health

January 26, 2007

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

Re: **Report Transmittal**
Quarterly Report
Fourth Quarter – 2006
76 Service Station #7124
10151 International Blvd
Oakland, CA

Dear Mr. Hwang:

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

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

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

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment

SECOR
SECOR INTERNATIONAL INCORPORATED
www.secor.com
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
916-861-0400 TEL
916-861-0430 FAX

January 29, 2007

Mr. Donald Hwang
Alameda County Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502

RE: **Quarterly Monitoring and Summary Report – Fourth Quarter 2006**
SECOR Project No.: 77CP.01634.00.0303

Dear Mr. Hwang:

On behalf of ConocoPhillips, SECOR International Incorporated (SECOR) is forwarding the quarterly summary report for the following location:

Service Station	**Location**
76 Service Station No. 7124	10151 International Boulevard Oakland, California

If there are questions or comments regarding this quarterly summary report, please contact me at (916) 861-0400.

Sincerely,
SECOR International Incorporated

Sean Coyle
Project Manager

Attachments: SECOR's *Quarterly Monitoring and Summary Report – Fourth Quarter 2006.*

cc: Ms. Shelby Lathrop, ConocoPhillips

QUARTERLY SUMMARY REPORT
Fourth Quarter 2006

76 Service Station No. 7124
10151 International Boulevard
Oakland, California

City/County ID #: Oakland
County: Alameda

SITE DESCRIPTION

The site is currently an active 76 Service Station located on the northwestern corner of the intersection of International Boulevard and 102nd Avenue in Oakland, California. Site facilities include three underground storage tanks (USTs) and associated piping and fuel dispensers. A detailed site plan is included in TRC's *Quarterly Monitoring Report October through December 2006* dated December 15, 2006 (Attachment 1).

PREVIOUS ASSESSMENT

On March 22, 2000, SECOR supervised the removal and replacement of product lines and dispensers by Balch Petroleum of Milpitas, California. Soil samples collected from beneath the dispensers and product lines revealed the presence of total petroleum hydrocarbons as gasoline (TPHg) at a maximum concentration of 6,200 milligrams per kilogram (mg/kg), methyl tertiary butyl ether (MtBE) at a maximum concentration of 120 mg/kg, and benzene at a maximum concentration of 7.4 mg/kg. Excavation and sampling activities were observed and approved by Inspector Gomez of the City of Oakland Fire Services Agency.

On March 27, 2000, SECOR observed the over-excavation of approximately 60 cubic yards of soil from the beneath those portions of the dispensers and product lines where soil samples with elevated concentrations of petroleum hydrocarbons were located. Areas measuring approximately 8-10 feet long by 8-10 feet wide were over-excavated to an approximate depth of 8 feet below ground surface (bgs) in each of these areas. Additional over-excavation in these areas was not possible due to their proximity to the footings of the service station canopy. TPHg was detected in 2 of the 3 samples at a concentration of 108 mg/kg; benzene was detected in 1 of the 3 samples at a maximum concentration of 0.162 mg/kg; and MtBE was detected in all 3 samples at a maximum concentration of 43.8 mg/kg. Lead was not detected at or above laboratory reporting limits in any samples.

During February 2002, SECOR supervised the installation of four on-site groundwater monitoring wells. Prior to well installation, all borings were advanced to 26.5 feet bgs, and subsurface soil samples were collected every five feet. Soil samples were analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenates via EPA Method

8260B. The maximum reported concentrations were 42 mg/kg GRO, 0.36 mg/kg ethylbenzene, 0.26 mg/kg xylenes, and 1.2 mg/kg MtBE.

SENSITIVE RECEPTORS

During the third quarter 2004, SECOR completed a ½-mile radius agency receptor survey and obtained an Environmental Data Resources (EDR) radius map for the site from Environmental Data Resources, Incorporated. The agency survey identified two industrial supply wells, three cathodic protection wells, and two wells of unknown type within the search radius. The survey also identified twelve wells of unknown type that could not be located precisely because the records on file with DWR did not include this information. These wells may or may not be located within the search radius. The EDR radius map did not identify any water supply wells within the search radius, but did identify two water supply wells within one mile of the site.

MONITORING AND SAMPLING

The site has been monitored and sampled since the third quarter 2002. Currently, four wells are monitored quarterly (MW-1 through MW-4). Samples are analyzed for TPHg, BTEX, and the fuel oxygenates tert-butyl alcohol (TBA), MtBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (EtBE), tert-amyl methyl ether (TAME), and ethanol, as well as, ethylene di-bromide (EDB) by EPA Method 8260B.

DISCUSSION

During the fourth quarter 2006, depth to groundwater ranged between 16.11 and 18.08 feet below top of casing (toc), which is slightly lower than historical low levels. Historical groundwater depths have been reported between 15.11 and 17.26 feet below toc. The direction of groundwater flow is toward the west at a gradient of 0.01 foot/foot (Attachment 1).

The highest concentrations of petroleum hydrocarbons and MtBE continue to be detected in on-site wells MW-3 and MW-4. This quarter, the maximum concentration of TPHg and MtBE were reported to be in well MW-3 at 2,200 µg/L and 58 µg/L respectively (Attachment 1); however, the reported TPPH concentrations may actually be MTBE and TBA, as the BC Laboratories included oxygenates in their TPPH concentrations. Lack of detectable levels of BTEX indicates that TPHg is probably not a major contaminant at the site. The downgradient/crossgradient extent of the dissolved plume remains undefined by the existing monitoring well network.

On October 14, 2004, SECOR submitted a work plan for the installation of monitoring wells offsite to delineate the dissolved phase hydrocarbons in groundwater. However, in a letter dated April 12, 2005, the Alameda County Environmental Health Services (ACEHS) disapproved the workplan stating that it was premature to install more monitoring wells without additional groundwater sampling to determine the location of the plume for optimal well locations. Therefore, an addendum to the October 14, 2004 work plan was submitted on July 22, 2005 and awaits approval.

CHARACTERIZATION STATUS

None of the groundwater samples collected showed detections at or above MCL levels for any BTEX components. The highest concentrations of residual MtBE contamination are localized in the northeastern area of the site in the vicinity of MW-3 and MW-4. The extent of dissolved contamination is undefined in the downgradient (northwest) direction, but MTBE concentrations continue declining, and variable TBA levels in MW-4 may indicate active degradation of MTBE.

REMEDIATION STATUS

Currently, there is no active remediation at this site.

RECENT SUBMITTALS/CORRESPONDENCE

Submitted: *Quarterly Summary and Monitoring Report – Third Quarter 2006,* dated October 30, 2006

WASTE DISPOSAL SUMMARY

The volume of purged groundwater generated and disposed of during the quarterly groundwater monitoring event is documented in TRC's *Quarterly Monitoring Report, October through December 2006,* dated December 15, 2006 (Attachment 1).

THIS QUARTER ACTIVITIES (Fourth Quarter 2006)

1. TRC performed quarterly groundwater monitoring and sampling event.

2. SECOR prepared and submitted the third quarter 2006 summary report.

NEXT QUARTER ACTIVITIES (First Quarter 2007)

1. TRC to perform coordinated groundwater monitoring and sampling event.

2. SECOR to prepare and submit quarterly summary and monitoring report.

3. SECOR to discuss site path forward with the agency, including any required revisions to the work plan submitted approximately one year ago. After discussions, if no additional comments to the work plan are forthcoming, the proposed scope of work will be implemented within 60 days of discussion, as it has been well over 60 days since the work plan was first submitted. Drilling will likely take place during the first quarter of 2007, or as to be determined pending agency discussions.

LIMITATIONS

This report has been prepared for the exclusive use of ConocoPhillips and its representatives as it pertains to the property located at 10151 International Boulevard, Oakland, California. The evaluation of subsurface conditions at the site for the purpose of this investigation is inherently limited due to the number of points of investigation. There are no representations, warranties, or guarantees that the results are representative of the entire site. Data from this report reflects the conditions at locations at a specified time. No other interpretation, representations, warranties, guarantees, express or implied, are included or intended in the report findings. SECOR makes no warranties or guarantees for the groundwater monitoring report (Attachment 1) prepared by TRC.

Sincerely,
SECOR International Incorporated

Ed Simonis P.G.
Senior Geologist

PROFESSIONAL GEOLOGIST
EDWARDAS (ED) K. SIMONIS
No. 4422
exp. 2-29-08
STATE OF CALIFORNIA

Wesley Snyder
Staff Scientist

Attachment 1: TRC's *Quarterly Monitoring Report – October through December 2006*, dated November 27, 2006

ATTACHMENT 1
TRC'S *QUARTERLY MONITORING REPORT OCTOBER THROUGH DECEMBER 2006*

Quarterly Monitoring and Summary Report
76 Service Station No. 7124
10151 International Boulevard
Oakland, California

TRC

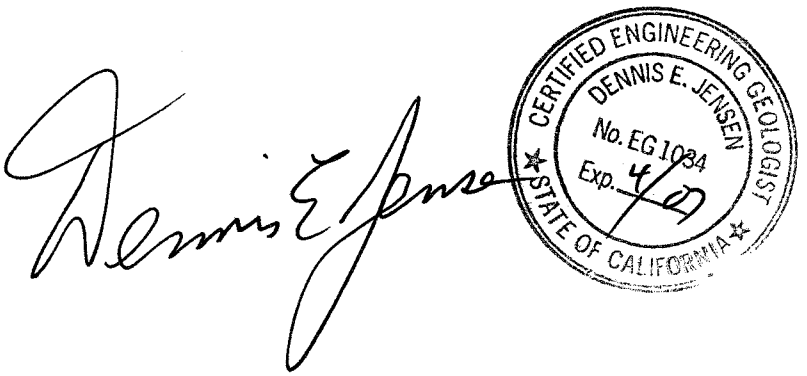
QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2006

76 STATION 7124
10151 International Boulevard
Oakland, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
November 27, 2006

21 Technology Drive • Irvine, California 92618
Main: 949-727-9336 • Fax: 949-727-7399
www.trcsolutions.com

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 10/31/06 Groundwater Sampling Field Notes – 10/31/06
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2006 through December 2006
76 Station 7124
10151 International Boulevard
Oakland, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **10/31/06**

Sample Points

Groundwater wells: **4** onsite, **0** offsite Wells gauged: **4** Wells sampled: **4**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **16.11 feet** Maximum: **18.08 feet**
Average groundwater elevation (relative to available local datum): **20.65 feet**
Average change in groundwater elevation since previous event: **-0.83 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.01 ft/ft, west**
Previous event: **0.01 ft/ft, northwest (08/22/06)**

Selected Laboratory Results

Wells with detected **Benzene:** **0** Wells above MCL (1.0 µg/l): **n/a**
Maximum reported benzene concentration: **n/a**

Wells with **TPH-G by GC/MS** **3** Maximum: **2,200 µg/l (MW-3)**
Wells with **MTBE** **3** Maximum: **58 µg/l (MW-3)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

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

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 7124 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables
Site: 76 Station 7124

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)	Comments
Table 1a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME						

Historic Data

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

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

October 31, 2006

76 Station 7124

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														
10/31/06	37.37	16.11	0.00	21.26	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
10/31/06	37.87	17.15	0.00	20.72	-0.66	--	93	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.0	
MW-3														
10/31/06	37.72	17.36	0.00	20.36	-0.85	--	2200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	58	
MW-4														
10/31/06	38.36	18.08	0.00	20.28	-0.82	--	1300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 7124

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1							
10/31/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2							
10/31/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3							
10/31/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4							
10/31/06	43	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 2002 Through October 2006

76 Station 7124

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														
04/08/02	37.37	14.27	0.00	23.10	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
07/28/02	37.37	15.88	0.00	21.49	-1.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/03/02	37.37	16.75	0.00	20.62	-0.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/24/03	37.37	13.94	0.00	23.43	2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/02/03	37.37	14.99	0.00	22.38	-1.05	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	37.37	15.48	0.00	21.89	-0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	37.37	16.68	0.00	20.69	-1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/09/04	37.37	13.79	0.00	23.58	2.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	--	ND<2	
04/26/04	37.37	15.21	0.00	22.16	-1.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/22/04	37.37	16.43	0.00	20.94	-1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
10/29/04	37.37	16.14	0.00	21.23	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/12/05	37.37	12.83	0.00	24.54	3.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/20/05	37.37	14.38	0.00	22.99	-1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/23/05	37.37	15.92	0.00	21.45	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/13/05	37.37	16.09	0.00	21.28	-0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/24/06	37.37	11.85	0.00	25.52	4.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/30/06	37.37	13.30	0.00	24.07	-1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/22/06	37.37	15.11	0.00	22.26	-1.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
10/31/06	37.37	16.11	0.00	21.26	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
04/08/02	37.87	15.86	0.00	22.01	--	4400	--	ND<2.5	ND<2.5	6.4	ND<2.5	380	490	
07/28/02	37.87	17.28	0.00	20.59	-1.42	--	3200	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	170	
11/03/02	37.87	18.03	0.00	19.84	-0.75	--	3800	ND<5.0	ND<5.0	ND<5.0	ND<10	--	72	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 2002 Through October 2006

76 Station 7124

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														
01/24/03	37.87	15.59	0.00	22.28	2.44	--	410	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	490	
04/02/03	37.87	16.50	0.00	21.37	-0.91	--	1000	ND<5.0	ND<5.0	ND<5.0	ND<10	--	180	
07/01/03	37.87	16.94	0.00	20.93	-0.44	--	1900	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	120	
10/02/03	37.87	17.93	0.00	19.94	-0.99	--	6900	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	32	
01/09/04	37.87	15.42	0.00	22.45	2.51	--	1000	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	300	
04/26/04	37.87	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
07/22/04	37.87	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
10/29/04	37.87	--	0.00	--	--	--	--	--	--	--	--	--	--	Well is paved over.
01/12/05	37.87	--	--	--	--	--	--	--	--	--	--	--	--	Well was paved over.
06/20/05	37.87	15.94	0.00	21.93	--	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
09/23/05	37.87	17.29	0.00	20.58	-1.35	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
12/13/05	37.87	17.41	0.00	20.46	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
03/24/06	37.87	13.77	0.00	24.10	3.64	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	15	
05/30/06	37.87	15.16	0.00	22.71	-1.39	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.6	
08/22/06	37.87	16.49	0.00	21.38	-1.33	--	81	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.0	
10/31/06	37.87	17.15	0.00	20.72	-0.66	--	93	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.0	
MW-3														
04/08/02	37.72	15.86	0.00	21.86	--	8700	--	65	ND<25	400	ND<25	6500	8300	
07/28/02	37.72	17.22	0.00	20.50	-1.36	--	4500	ND<25	ND<25	ND<25	ND<50	--	1100	
11/03/02	37.72	17.90	0.00	19.82	-0.68	--	25000	ND<5.0	ND<5.0	25	ND<10	--	470	
01/24/03	37.72	15.57	0.00	22.15	2.33	--	6000	ND<25	ND<25	94	ND<50	--	10000	
04/02/03	37.72	16.45	0.00	21.27	-0.88	--	130000	ND<100	ND<100	ND<100	ND<200	--	4400	
07/01/03	37.72	16.88	0.00	20.84	-0.43	--	9400	ND<10	ND<10	ND<10	ND<20	--	2200	
10/02/03	37.72	17.85	0.00	19.87	-0.97	--	73000	ND<50	ND<50	ND<50	ND<100	--	460	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 2002 Through October 2006

76 Station 7124

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														
01/09/04	37.72	15.31	0.00	22.41	2.54	--	8700	ND<25	ND<25	98	ND<50	--	3800	
04/26/04	37.72	16.62	0.00	21.10	-1.31	--	6700	ND<25	ND<25	ND<25	ND<50	--	3900	
07/22/04	37.72	17.62	0.00	20.10	-1.00	--	13000	ND<25	ND<25	ND<25	ND<50	--	980	
10/29/04	37.72	17.29	0.00	20.43	0.33	--	4600	ND<5.0	ND<5.0	13	ND<10	--	640	
01/12/05	37.72	14.64	0.00	23.08	2.65	--	6100	0.88	0.99	30	2.2	--	6900	
06/20/05	37.72	15.91	0.00	21.81	-1.27	--	1900	ND<0.50	0.21J	0.52	0.46J	--	960	
09/23/05	37.72	17.20	0.00	20.52	-1.29	--	2400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
12/13/05	37.72	17.32	0.00	20.40	-0.12	--	2100	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	340	
03/24/06	37.72	13.86	0.00	23.86	3.46	--	2200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	970	
05/30/06	37.72	15.69	0.00	22.03	-1.83	--	1500	ND<12	ND<12	ND<12	ND<25	--	760	
08/22/06	37.72	16.51	0.00	21.21	-0.82	--	1900	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	160	
10/31/06	37.72	17.36	0.00	20.36	-0.85	--	2200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	58	
MW-4														
04/08/02	38.36	16.59	0.00	21.77	--	13000	--	ND<5.0	ND<5.0	28	ND<5.0	790	980	
07/28/02	38.36	17.93	0.00	20.43	-1.34	--	18000	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	170	
11/03/02	38.36	18.66	0.00	19.70	-0.73	--	220	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.7	
01/24/03	38.36	16.27	0.00	22.09	2.39	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1000	
04/02/03	38.36	17.19	0.00	21.17	-0.92	--	130000	ND<100	ND<100	ND<100	ND<200	--	ND<400	
07/01/03	38.36	17.61	0.00	20.75	-0.42	--	15000	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	170	
10/02/03	38.36	18.58	0.00	19.78	-0.97	--	7100	ND<10	ND<10	ND<10	ND<20	--	70	
01/09/04	38.36	16.15	0.00	22.21	2.43	--	18000	ND<10	ND<10	ND<10	ND<20	--	530	
04/26/04	38.36	17.20	0.00	21.16	-1.05	--	6500	ND<10	ND<10	ND<10	ND<20	--	240	
07/22/04	38.36	18.34	0.00	20.02	-1.14	--	18000	ND<10	ND<10	ND<10	ND<20	--	48	
10/29/04	38.36	18.13	0.00	20.23	0.21	--	2700	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	76	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

April 2002 Through October 2006

76 Station 7124

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														
01/12/05	38.36	15.22	0.00	23.14	2.91	--	1300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	620	
06/20/05	38.36	16.63	0.00	21.73	-1.41	--	980	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	110	
09/23/05	38.36	17.93	0.00	20.43	-1.30	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	34	
12/13/05	38.36	18.04	0.00	20.32	-0.11	--	3900	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36	
03/24/06	38.36	14.48	0.00	23.88	3.56	--	1500	ND<12	ND<12	ND<12	ND<25	--	200	
05/30/06	38.36	15.79	0.00	22.57	-1.31	--	1200	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	130	
08/22/06	38.36	17.26	0.00	21.10	-1.47	--	980	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	33	
10/31/06	38.36	18.08	0.00	20.28	-0.82	--	1300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7124

Date Sampled	TBA	Ethanol (8015B)	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1								
07/28/02	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
11/03/02	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/24/03	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
04/02/03	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/01/03	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
10/02/03	ND<100	--	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/09/04	ND<100	--	ND<500	ND<2	ND<2.0	ND<2	ND<2	ND<2
04/26/04	ND<5.0	--	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
07/22/04	ND<5.0	--	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
10/29/04	ND<5.0	--	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/12/05	ND<5.0	--	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
06/20/05	ND<10	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/23/05	ND<10	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/13/05	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/24/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
05/30/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/22/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
10/31/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2								
04/08/02	ND<2000	ND<10000	--	ND<40	ND<40	ND<40	ND<40	ND<40
07/28/02	ND<500	ND<2500	--	ND<10	ND<10	ND<10	ND<10	ND<10
11/03/02	ND<1000	ND<5000	--	ND<20	ND<20	ND<20	ND<20	ND<20
01/24/03	ND<500	ND<2500	--	ND<10	ND<10	ND<10	ND<10	ND<10
04/02/03	ND<1000	ND<5000	--	ND<20	ND<20	ND<20	ND<20	ND<20
07/01/03	ND<500	ND<2500	--	ND<10	ND<10	ND<10	ND<10	ND<10
10/02/03	ND<100	--	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

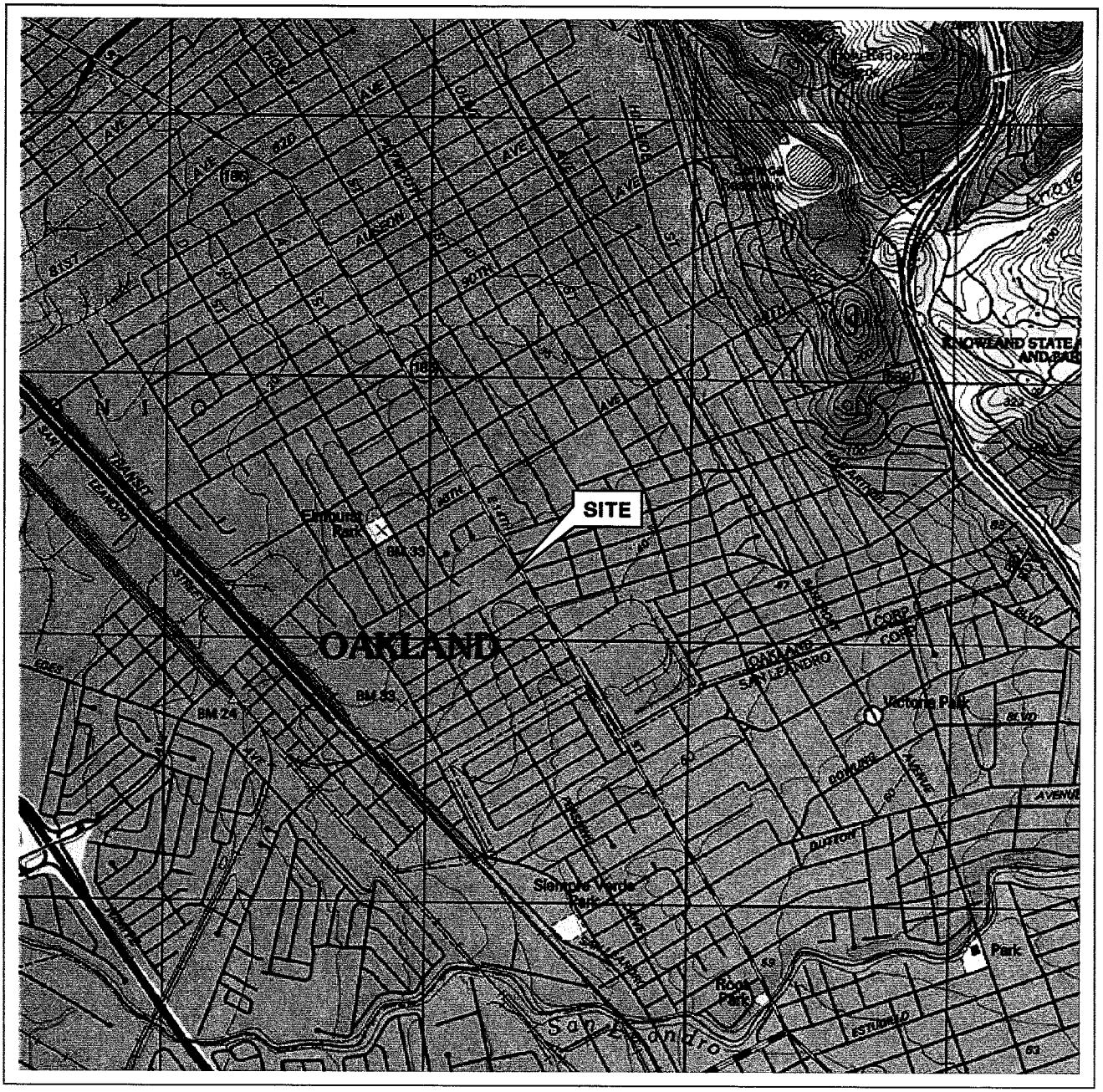
Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7124

Date Sampled	TBA	Ethanol (8015B)	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2 continued								
01/09/04	ND<500	--	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
06/20/05	25	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/23/05	ND<10	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/13/05	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/24/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
05/30/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/22/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
10/31/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3								
10/02/03	ND<10000	--	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200
01/09/04	ND<5000	--	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100
04/26/04	ND<250	--	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25
07/22/04	ND<250	--	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25
10/29/04	ND<50	--	ND<500	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0
01/12/05	1300	--	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25
06/20/05	39	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.31J
09/23/05	ND<10	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/13/05	ND<50	--	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
03/24/06	ND<100	--	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
05/30/06	ND<250	--	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12
08/22/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
10/31/06	ND<10	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4								
04/08/02	ND<5000	ND<25000	--	ND<100	ND<100	ND<100	ND<100	ND<100
07/28/02	ND<500	ND<2500	--	ND<10	ND<10	ND<10	ND<10	ND<10
11/03/02	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7124

Date Sampled	TBA	Ethanol (8015B)	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME
	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4 continued								
01/24/03	ND<2000	ND<10000	--	ND<40	ND<40	ND<40	ND<40	ND<40
04/02/03	ND<20000	ND<100000	--	ND<400	ND<400	ND<400	ND<400	ND<400
07/01/03	ND<500	ND<2500	--	ND<10	ND<10	ND<10	ND<10	ND<10
10/02/03	ND<2000	--	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40
01/09/04	ND<2000	--	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40
04/26/04	430	--	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10
07/22/04	ND<100	--	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10
10/29/04	63	--	ND<250	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5
01/12/05	1300	--	ND<250	ND<10	ND<2.5	ND<5.0	ND<2.5	ND<2.5
06/20/05	580	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/23/05	92	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
12/13/05	50	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/24/06	1900	--	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12
05/30/06	ND<50	--	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
08/22/06	150	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
10/31/06	43	--	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

FIGURES



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

SCALE 1: 24,000

N

SOURCE:

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

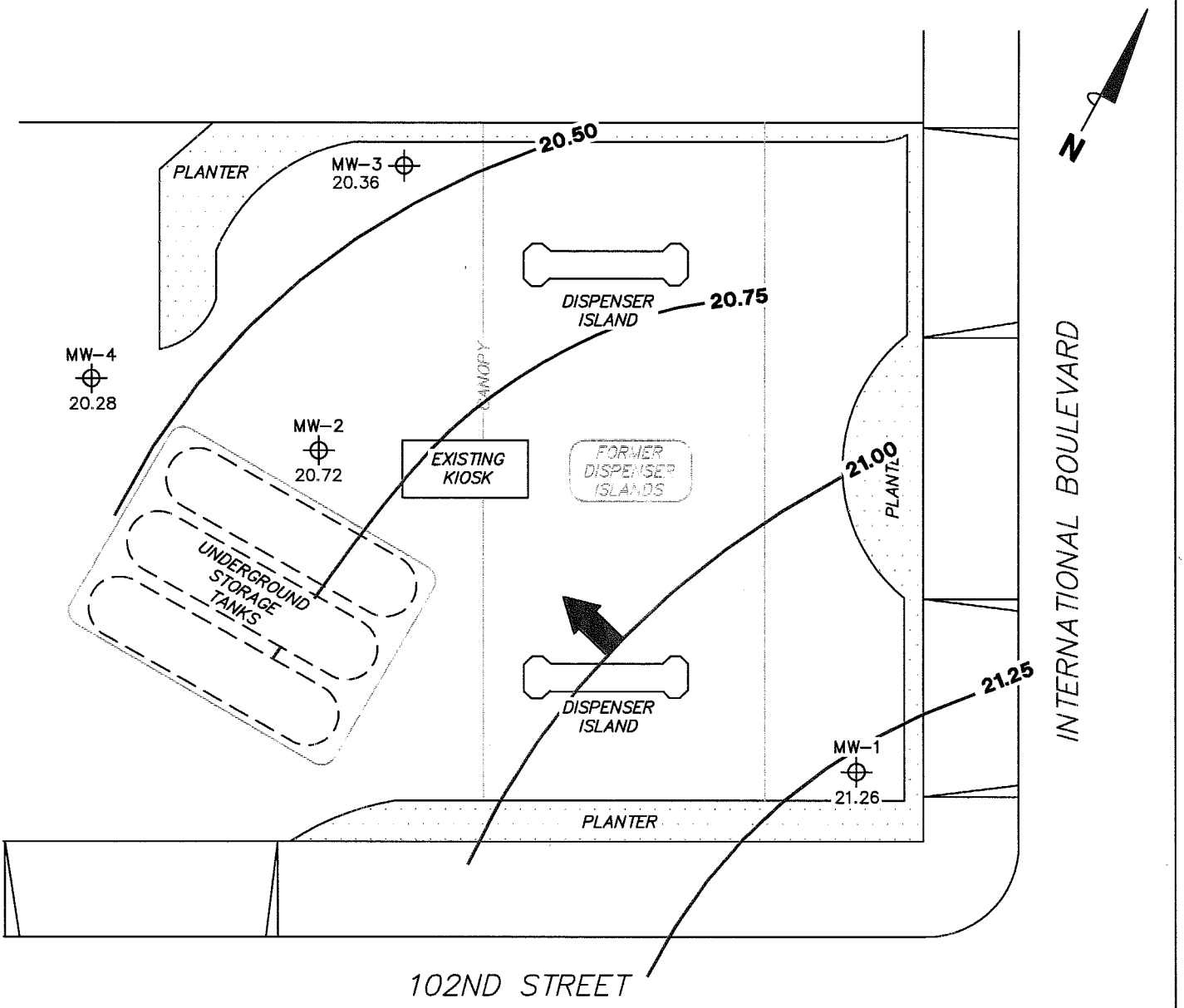
VICINITY MAP

76 Station 7124
10151 International Boulevard
Oakland, California

FIGURE 1

TRC

PS = 1:1 L:\VICINITY MAPS\7124vm.dwg Apr 17, 2006 - 10:00am lwinters



NOTES:

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

LEGEND

MW-4 ⊕ Monitoring Well with Groundwater Elevation (feet)

21.25— Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
October 31, 2006

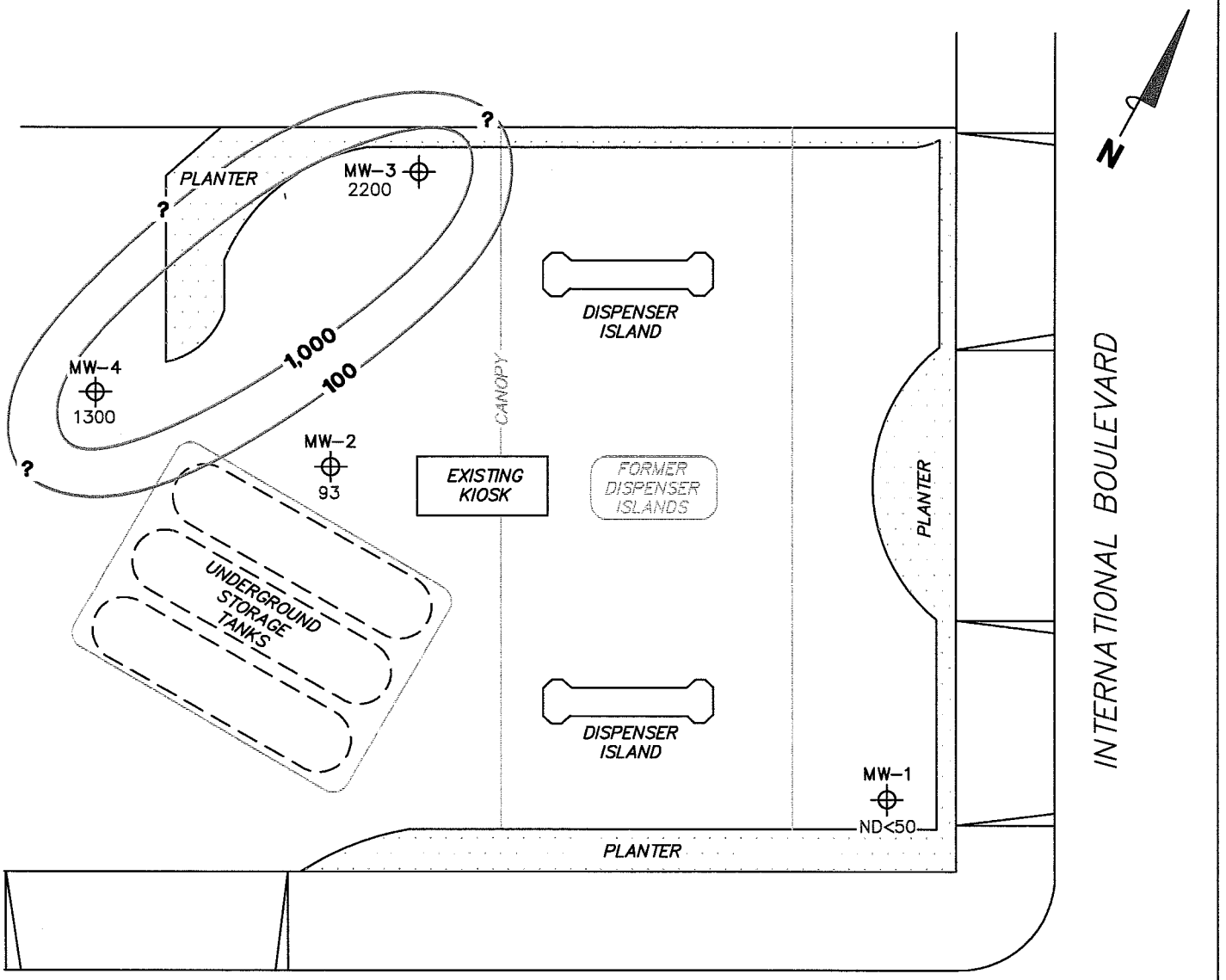
76 Station 7124
10151 International Boulevard
Oakland, California

TRC

SCALE (FEET)
0 20

FIGURE 2

PS=1:1 7124-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-7000\7124+\7124QMS.DWG Dec 12, 2006 - 1:23pm lwinters



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.

LEGEND

MW-4 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

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

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP October 31, 2006

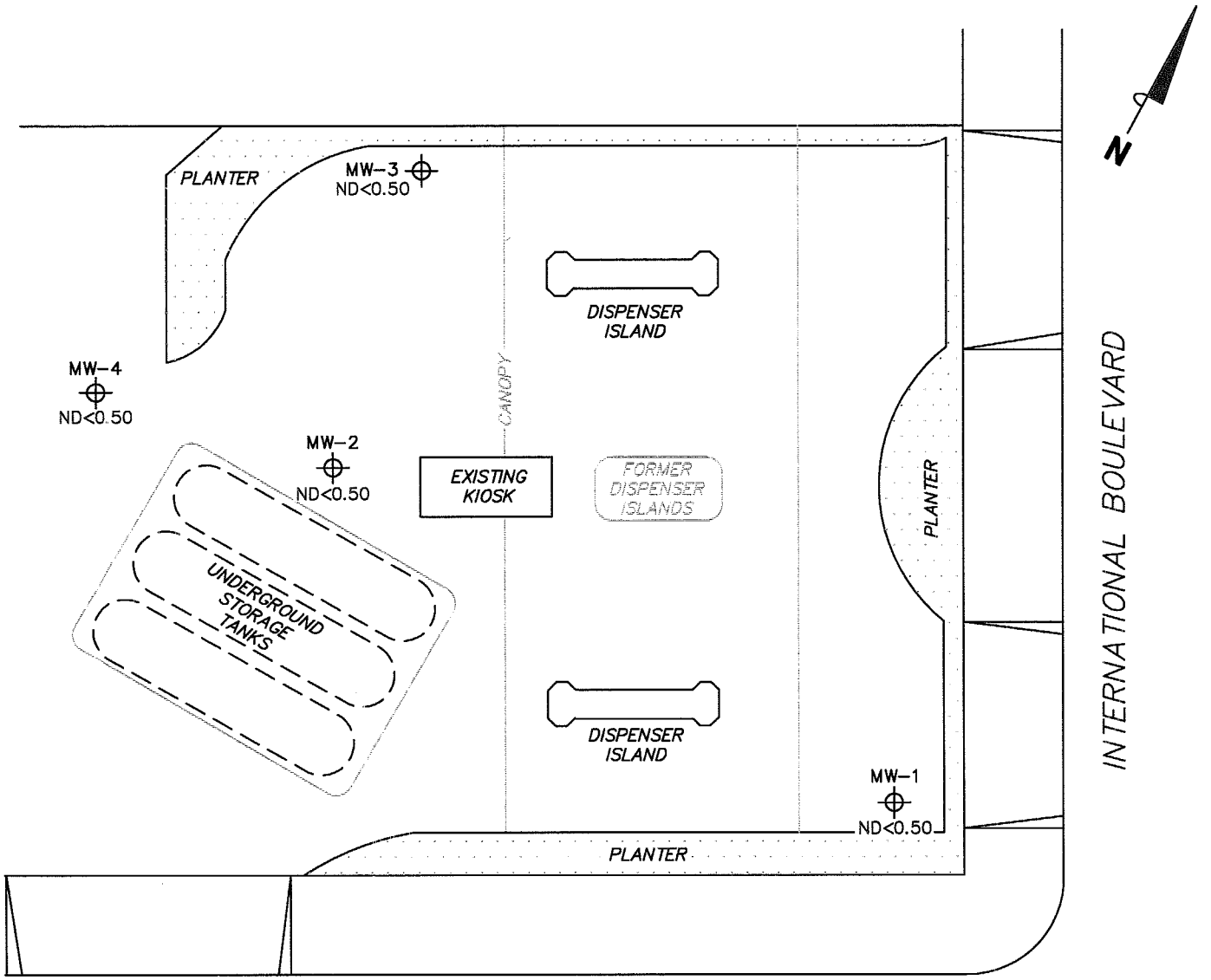
76 Station 7124
10151 International Boulevard
Oakland, California

TRC

SCALE (FEET)
0 20

FIGURE 3

PS=1:1 7124-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-7000\7124+\7124QMS.DWG Dec 15, 2006 - 8:15am lwinters



NOTES:

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

LEGEND

MW-4 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
October 31, 2006

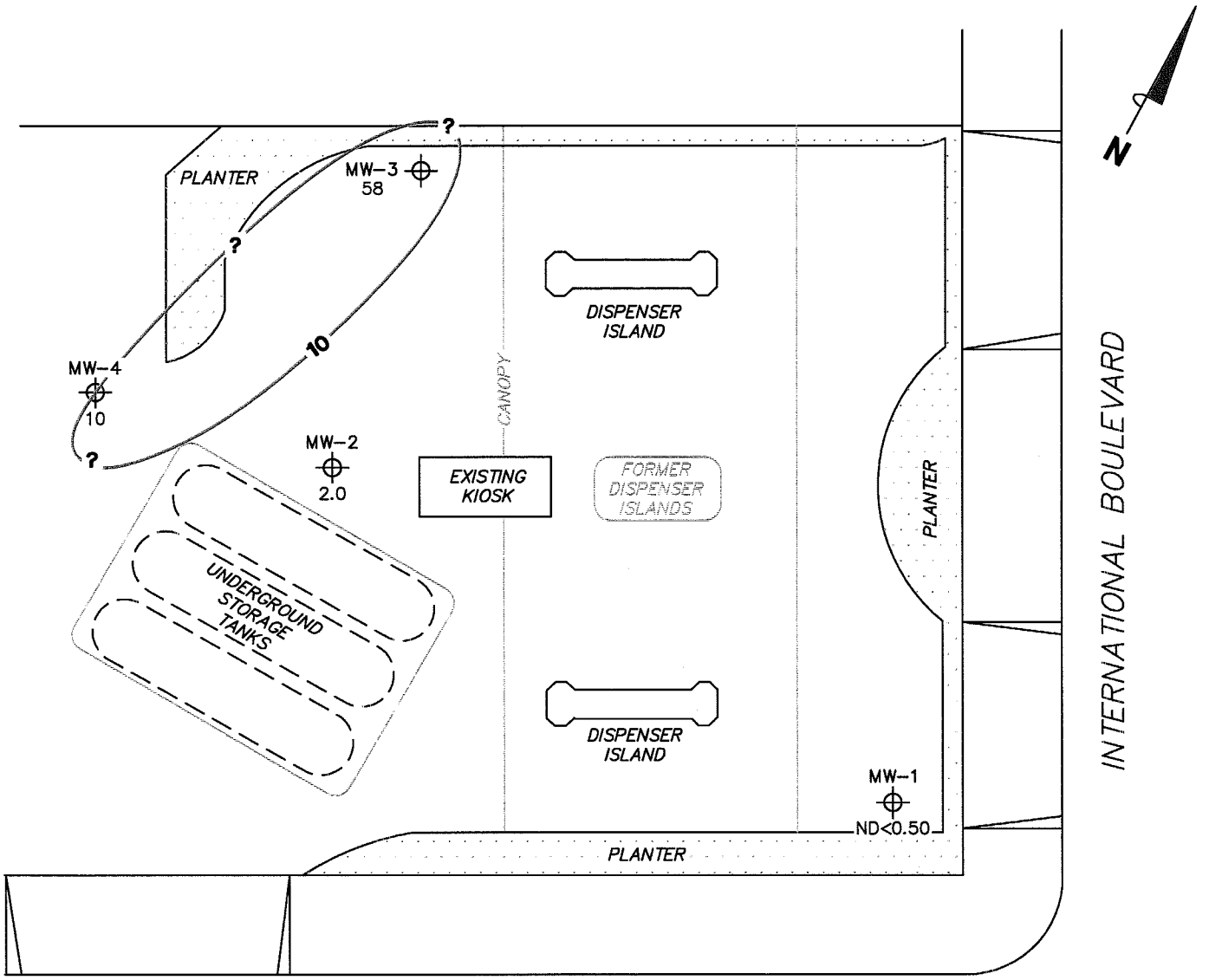
76 Station 7124
10151 International Boulevard
Oakland, California

TRC

SCALE (FEET)
0 20

FIGURE 4

PS=1:1 7124-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-7000\7124+\7124QMS.DWG Nov 22, 2006 - 4:22pm lwinters



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. Results obtained using EPA Method 8260B.

LEGEND

MW-4 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

TRC

SCALE (FEET)

0 20

DISSOLVED-PHASE MTBE CONCENTRATION MAP
October 31, 2006

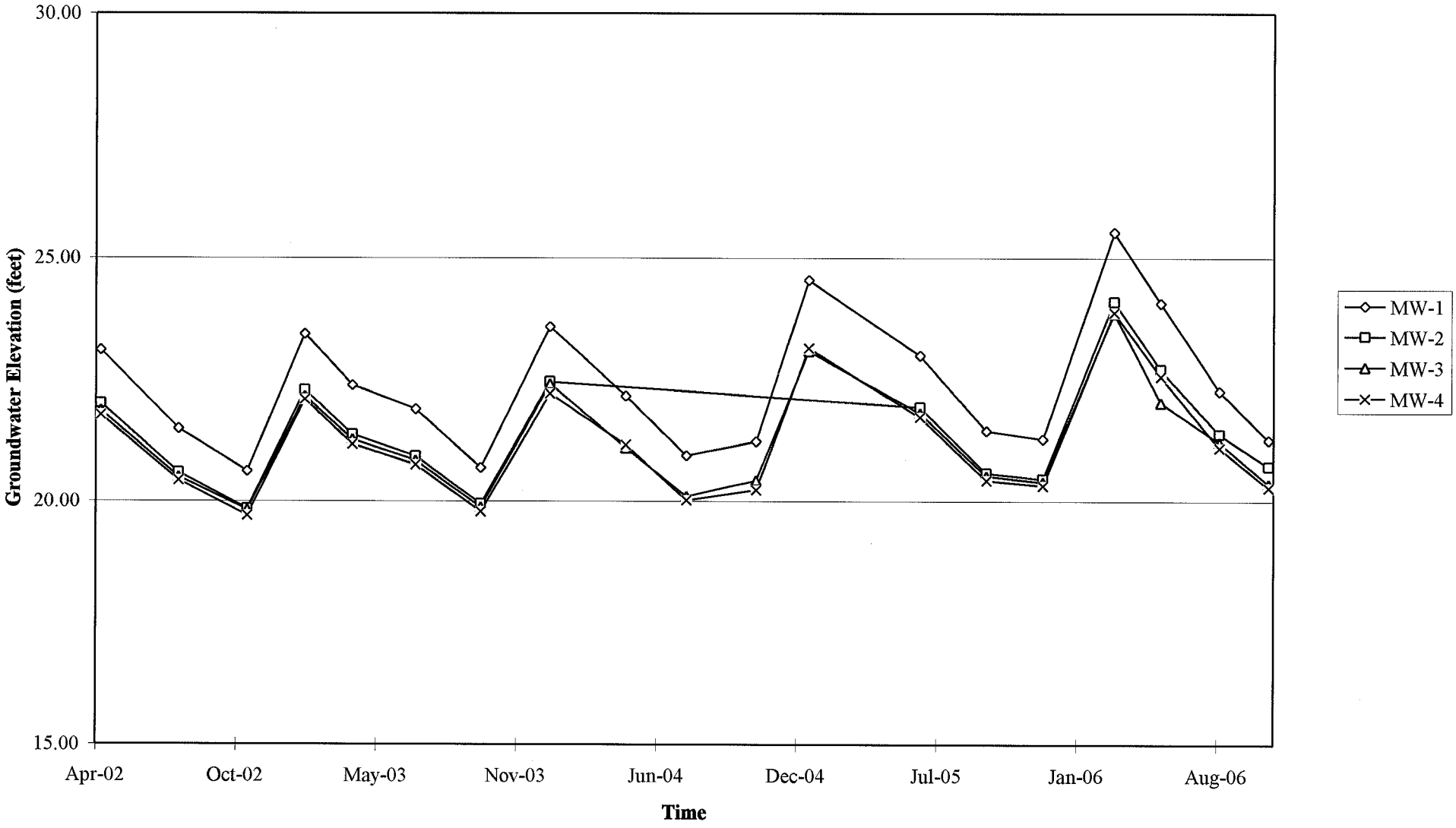
76 Station 7124
10151 International Boulevard
Oakland, California

FIGURE 5

PS=1:1 7124-003 L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-7000\7124+\7124QMS.DWG Nov 27, 2006 - 11:57am lwinters

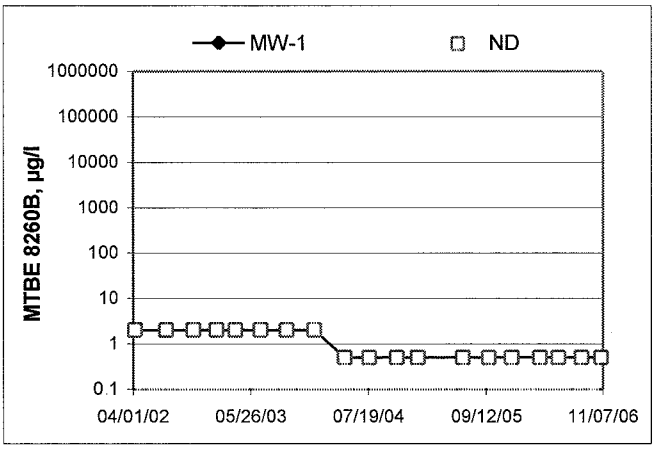
GRAPHS

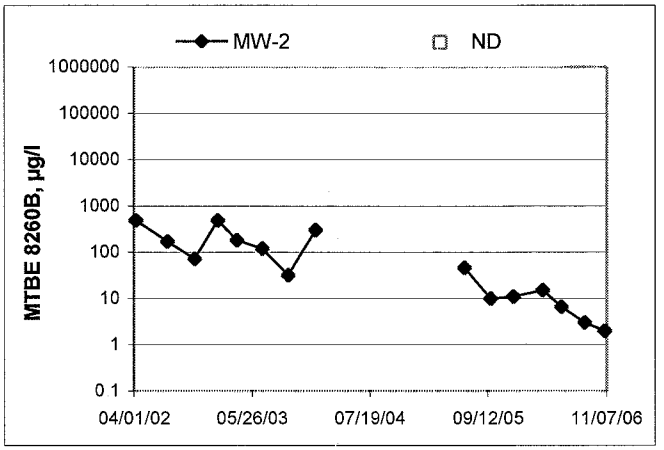
Groundwater Elevations vs. Time
76 Station 7124

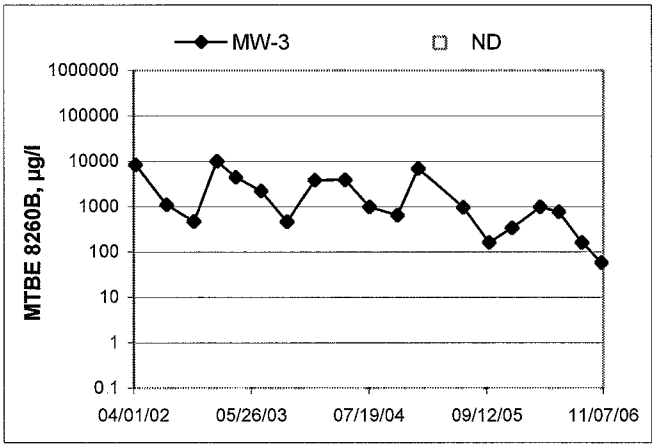


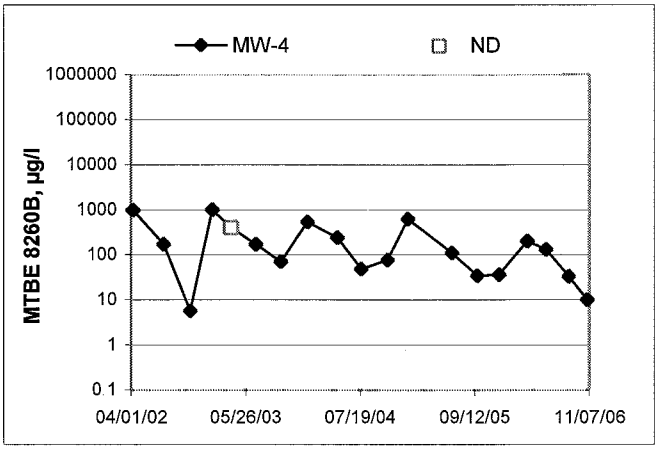
Elevations may have been corrected for apparent changes due to resurvey

MTBE 8260B Concentrations vs Time
76 Station 7124









GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: Daniel Job #/Task #: 41060001 / FA20 Date: 10/31/06

Site # 7124 Project Manager A. Collins Page ____ of ____

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1	1052	—	24.71	16.11	—	—	1125	4"
MW-2	1056	—	25.13	17.15	—	—	1155	4"
MW-4	1100	—	24.90	18.08	—	—	1138	4"
MW-3	1104	—	25.05	17.36	—	—	1210	4"

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel

Site: 7124 Project No.: 41060001 Date: 10/31/06

Well No. MW-2 Purge Method Dia

Depth to Water (feet): 18.08 Depth to Product (feet): ∅

Total Depth (feet): 24.90 LPH & Water Recovered (gallons): ∅

Water Column (feet): 6.82 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 19.44 1 Well Volume (gallons): 4

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1146			4	542.7	19.1	7.74			
			8	535.2	19.9	7.61			
	1151		12	512.8	20.2	7.55			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.00	12	1155

Comments:

Well No. MW-3 Purge Method Dia

Depth to Water (feet): 17.36 Depth to Product (feet): ∅

Total Depth (feet): 25.05 LPH & Water Recovered (gallons): ∅

Water Column (feet): 7.69 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 18.89 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1159			5	556.9	18.9	7.22			
			10	554.4	19.3	7.16			
	1205		15	553.6	19.5	7.11			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.80	15	1210

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Daniel

Site: 7124 Project No.: 41060001 Date: 10/31/06

Well No. MW-1 Purge Method: Dia

Depth to Water (feet): 16.11 Depth to Product (feet): Ø

Total Depth (feet): 24.71 LPH & Water Recovered (gallons): Ø

Water Column (feet): 8.60 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 17.83 1 Well Volume (gallons): 6

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1117			6	559.3	18.5	6.75			
			12	532.7	19.1	6.82			
	1120		18	480.6	19.5	6.86			

Static at Time Sampled	Total Gallons Purged	Sample Time
16.90	18	1125

Comments:

Well No. MW-4 Purge Method: Dia

Depth to Water (feet): 17.15 Depth to Product (feet): Ø

Total Depth (feet): 25.13 LPH & Water Recovered (gallons): Ø

Water Column (feet): 7.98 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 18.74 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
1129			5	532.4	19.4	7.07			
			10	531.8	19.8	7.08			
	1134		15	541.5	19.9	7.11			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.25	15	1138

Comments:

TRC

BC LABORATORIES, INC.

Date of Report: 11/13/2006

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 7124

BC Lab Number: 0611394

Enclosed are the results of analyses for samples received by the laboratory on 10/31/06 21:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker

Client Service Rep

Authorized Signature

BC LABORATORIES, INC.

TRC Alton Geoscience	Project: 7124	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 11/13/06 09:16

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0611394-01	**COC Number:**	---	**Receive Date:**	10/31/06 21:30	Delivery Work Order:
	Project Number:	7124	**Sampling Date:**	10/31/06 11:25	Global ID: T0600173591
	Sampling Location:	MW-1	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Daniel of TRCI			Cooler ID:
0611394-02	**COC Number:**	---	**Receive Date:**	10/31/06 21:30	Delivery Work Order:
	Project Number:	7124	**Sampling Date:**	10/31/06 11:55	Global ID: T0600173591
	Sampling Location:	MW-2	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Daniel of TRCI			Cooler ID:
0611394-03	**COC Number:**	---	**Receive Date:**	10/31/06 21:30	Delivery Work Order:
	Project Number:	7124	**Sampling Date:**	10/31/06 12:10	Global ID: T0600173591
	Sampling Location:	MW-3	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-3	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Daniel of TRCI			Cooler ID:
0611394-04	**COC Number:**	---	**Receive Date:**	10/31/06 21:30	Delivery Work Order:
	Project Number:	7124	**Sampling Date:**	10/31/06 11:38	Global ID: T0600173591
	Sampling Location:	MW-4	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	Daniel of TRCI			Cooler ID:

TRC Alton Geoscience	Project: 7124	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0611394-01 | **Client Sample Name:** 7124, MW-1, MW-1, 10/31/2006 11:25:00AM, Daniel

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	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507		
Toluene-d8 (Surrogate)	99.9	%	88 - 110 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507		
4-Bromofluorobenzene (Surrogate)	96.2	%	86 - 115 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 19:34	DKC	MS-V12	1	BPK0507		

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

Project: 7124
Project Number: [none]
Project Manager: Anju Farfan

Reported: 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0611394-02 | **Client Sample Name:** 7124, MW-2, MW-2, 10/31/2006 11:55:00AM, Daniel

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Methyl t-butyl ether	2.0	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
Total Purgeable Petroleum Hydrocarbons	93	ug/L	50		EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114	(LCL - UCL)	EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507		
Toluene-d8 (Surrogate)	98.4	%	88 - 110	(LCL - UCL)	EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115	(LCL - UCL)	EPA-8260	11/08/06	11/09/06 03:52	DKC	MS-V12	1	BPK0507		

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

Project: 7124
Project Number: [none]
Project Manager: Anju Farfan

Reported: 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0611394-03 | **Client Sample Name:** 7124, MW-3, MW-3, 10/31/2006 12:10:00PM, Daniel

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Methyl t-butyl ether	58	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
Total Purgeable Petroleum Hydrocarbons	2200	ug/L	50		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	76 - 114 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507		
4-Bromofluorobenzene (Surrogate)	120	%	86 - 115 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:17	DKC	MS-V12	1	BPK0507		S09

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

Project: 7124
Project Number: [none]
Project Manager: Anju Farfan

Reported: 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0611394-04 | **Client Sample Name:** 7124, MW-4, MW-4, 10/31/2006 11:38:00AM, Daniel

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Methyl t-butyl ether	10	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Toluene	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Total Xylenes	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
t-Butyl alcohol	43	ug/L	10		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Ethanol	ND	ug/L	250		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
Total Purgeable Petroleum Hydrocarbons	1300	ug/L	50		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.9	%	76 - 114 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507		
4-Bromofluorobenzene (Surrogate)	118	%	86 - 115 (LCL - UCL)		EPA-8260	11/08/06	11/09/06 04:43	DKC	MS-V12	1	BPK0507		S09

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

Project: 7124
Project Number: [none]
Project Manager: Anju Farfan

Reported: 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BPK0507	Matrix Spike	0611387-01	0.25000	25.230	25.000	ug/L		99.9		70 - 130	
		Matrix Spike Duplicate	0611387-01	0.25000	25.280	25.000	ug/L	0.100	100	20	70 - 130	
Toluene	BPK0507	Matrix Spike	0611387-01	ND	22.660	25.000	ug/L		90.6		70 - 130	
		Matrix Spike Duplicate	0611387-01	ND	22.470	25.000	ug/L	0.776	89.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BPK0507	Matrix Spike	0611387-01	ND	10.280	10.000	ug/L		103		76 - 114	
		Matrix Spike Duplicate	0611387-01	ND	10.180	10.000	ug/L		102		76 - 114	
Toluene-d8 (Surrogate)	BPK0507	Matrix Spike	0611387-01	ND	10.130	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0611387-01	ND	10.050	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPK0507	Matrix Spike	0611387-01	ND	9.4200	10.000	ug/L		94.2		86 - 115	
		Matrix Spike Duplicate	0611387-01	ND	9.3300	10.000	ug/L		93.3		86 - 115	

TRC Alton Geoscience	Project: 7124	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 11/13/06 09:16

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	BPK0507	BPK0507-BS1	LCS	25.810	25.000	0.50	ug/L	103		70 - 130		
Toluene	BPK0507	BPK0507-BS1	LCS	22.740	25.000	0.50	ug/L	91.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BPK0507	BPK0507-BS1	LCS	10.080	10.000		ug/L	101		76 - 114		
Toluene-d8 (Surrogate)	BPK0507	BPK0507-BS1	LCS	10.070	10.000		ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPK0507	BPK0507-BS1	LCS	9.6000	10.000		ug/L	96.0		86 - 115		

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

Project: 7124
Project Number: [none]
Project Manager: Anju Farfan

Reported: 11/13/06 09:16

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.14	
1,2-Dibromoethane	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.22	
1,2-Dichloroethane	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.15	
Ethylbenzene	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.094	
Methyl t-butyl ether	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.13	
Toluene	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.31	
t-Amyl Methyl ether	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.34	
t-Butyl alcohol	BPK0507	BPK0507-BLK1	ND	ug/L	10	9.3	
Diisopropyl ether	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.34	
Ethanol	BPK0507	BPK0507-BLK1	ND	ug/L	250	85	
Ethyl t-butyl ether	BPK0507	BPK0507-BLK1	ND	ug/L	0.50	0.32	
Total Purgeable Petroleum Hydrocarbons	BPK0507	BPK0507-BLK1	ND	ug/L	50	16	
1,2-Dichloroethane-d4 (Surrogate)	BPK0507	BPK0507-BLK1	99.1	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPK0507	BPK0507-BLK1	99.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPK0507	BPK0507-BLK1	95.3	%	86 - 115 (LCL - UCL)		

TRC Alton Geoscience	Project: 7124	
21 Technology Drive	Project Number: [none]	
Irvine CA, 92618-2302	Project Manager: Anju Farfan	**Reported:** 11/13/06 09:16

Notes and Definitions

S09	The surrogate recovery on the sample for this compound was not within the control limits
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BC LABORATORIES INC. | SAMPLE RECEIPT FORM | Rev. No. 10 01/21/04 | Page 1 Of 1

Submission #: 96-11394 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID: R|W Temperature: 2.4 °C Thermometer ID: 48 Emissivity: 0.95 Container: VOA Date/Time: 10/31/16 Analyst Init: AMR

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____
Sample Numbering Completed By: AMR Date/Time: 11/1/16 0102

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

06-11394

Analysis Requested

Circle one: Phillips 66 / Unocal	**Consultant Firm: TRC**
Address: 10151 International Blvd	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Oakland	**4-digit site#:** 7124
	Work Order# 01634-450696301B
State: CA **Zip:**	**Project #:** 41060001
COP Manager: Thomas Kosel	**Sampler Name:** Daniel

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/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPPH by 8260B	TPH-g by 6dms	EDC/EDB by 8260B		Turnaround Time Requested
		MW-1 -1	10/31/06 1125	GW					X	X		X	X		Std
		MW-2 -2	1155												
		MW-3 -3	1210												
		MW-4 -4	1138												

CHK BY DISTRIBUTION
SUB-OUT ☐

Comments:	**Relinquished by:** D. Christopher	**Received by:** Refrigerator	**Date & Time:** 10/31/06 1300
Global ID: T0600173591	**Relinquished by (Signature):**	**Received by:** Ross Dickey	**Date & Time:** 10/31/06 1510
	Relinquished by (Signature): Ross Dickey 10/31/06	**Received by:** A Macato	**Date & Time:** 10/31/06 1755

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Rel A Macato 10/31/06 2130 — 10/31/06 2130

STATEMENTS

Purge Water Disposal

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

Limitations

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