


76 Broadway
Sacramento, California 95818

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10:55 am, Apr 08, 2009

Alameda County
Environmental Health

February 2, 2009

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

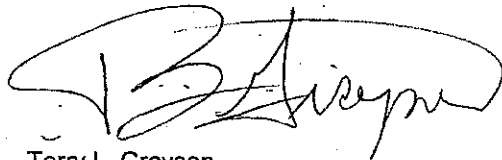
Re: **Semi-Annual Summary Report July-December 2008**
76 Service Station # 0746 RO # 0203
3943 Broadway Street
Oakland, CA

Dear Ms. Jakub:

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

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,



Terry L. Grayson
Site Manager
Risk Management & Remediation

January 20, 2009

Ms. Barbara Jakub
Supervising Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577



Re: Semi-Annual Summary Report
July Through December 2008
76 Service Station No. 0746
3943 Broadway
Oakland, California
R00000203

Dear Ms. Jakub,

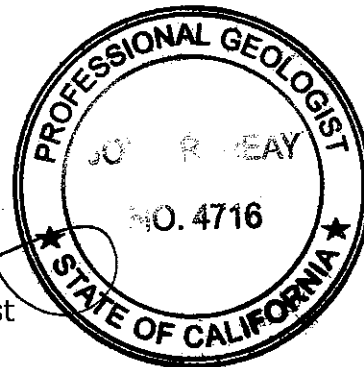
On behalf of ConocoPhillips Company (ConocoPhillips), Delta Consultants (Delta) is submitting the subject report and forwarding a copy of TRC's *Semi-Annual Monitoring Report July through December 2008* dated January 19, 2009 for the above site. TRC has uploaded a copy of their report to the GeoTracker database.

Please contact me at (916) 503-1260 if you have questions.

Sincerely,

Delta Consultants


John Reay, P.G.
Senior Project Geologist



Enclosure

cc: Mr. Terry Grayson – ConocoPhillips (electronic copy only)

SEMI_ANNUAL SUMMARY REPORT July through December 2008

76 Service Station No. 0746, RO0000203
3943 Broadway
Oakland, California
County: Alameda

INTRODUCTION

On December 30, 2008, TRC conducted semi-annual groundwater monitoring and sampling at 76 Service Station No. 0746 (the site) on behalf of ConocoPhillips. The monitoring and sampling is performed as part of site assessment and characterization activities.

SITE DESCRIPTION

The site is currently an active service station located on the western corner of Broadway and 40th Street in Oakland, California (Figure 1.) Station facilities include two 12,000-gallon double-wall glasteel gasoline underground storage tanks (USTs) in a common pit, one 520-gallon double-wall glasteel waste oil UST, two dispenser islands, one station building, and a car wash building.

SITE BACKGROUND AND ACTIVITY

August 1989 Two 10,000- gallon steel gasoline USTs and one 280-gallon steel waste oil UST were removed and replaced with the current USTs. A total of approximately 350 cubic yards of soil was removed from the site during UST removal activities. The confirmatory soil sample was reported as non-detect for all constituents. The product piping was also removed. Confirmation soil sampling beneath piping and the waste oil tank contained low levels of petroleum hydrocarbons. During the tank removal activities, approximately 6,500 gallons of groundwater were pumped from the UST cavity. Concentrations of total petroleum hydrocarbons as gasoline (TPH-g) and benzene were reported as 1,200 micrograms per liter ($\mu\text{g/l}$) and 12 $\mu\text{g/l}$, respectively.

October 1989 Three monitoring wells (MW-1, MW-2, and MW-3) were installed at the site to depths ranging from 20 to 22.5 feet below ground surface (bgs).

January 1990 Two additional monitoring wells (MW-4 and MW-5) were installed at the site to a depth of 20 feet bgs.

January 1992 Two offsite monitoring wells (MW-10 and MW-11) were installed in the vicinity of the site at depths ranging from 19 to 22 feet bgs.

June 1992 One recovery well (RW-1) and one additional offsite monitoring well (MW-12) were installed at the site to depths of 17.5 feet bgs.

February 1998 The product piping and associated dispenser islands were replaced at the site. Four soil samples were collected from beneath the dispenser islands. Petroleum

hydrocarbons were reported at low to moderate levels. A total of 30.20 tons of stockpiled soil was transported from the site to the Forward Inc. Landfill in Stockton, California.

October 2003 Site environmental consulting responsibilities were transferred to TRC.

March 2007 TRC submitted a Feasibility Study Workplan to conduct a 120-hour (5-day) DPE event using a mobile treatment system (MTS).

October 2007 Site environmental consulting responsibilities were transferred to Delta Consultants.

June 2008 Delta submitted Work Plan For Source Area Vertical Delineation.

SENSITIVE RECEPTORS

On February 8, 2007, TRC completed a sensitive receptor survey for this site. The only surface water body within the vicinity of the site is Glen Echo Creek, located approximately 1,630 feet southeast of the Site, is not within the path of local groundwater flow.

Three water supply wells found to be within a one-half mile radius of the site were not within the path of local groundwater flow.

GROUNDWATER MONITORING AND SAMPLING

The groundwater monitoring well network, consisting of eight onsite and five offsite monitoring wells, has been monitored and sampled on a semi-annual basis since May 1996. During the most recent groundwater sampling event conducted on December 30, 2008, reported depth to groundwater ranged from 7.47 feet (MW-6) to 13.56 feet (MW-10) below top of casing (TOC).

The groundwater flow direction was reported southwest at a gradient of 0.05 ft/ft. This is consistent with a gradient of 0.05 ft/ft south during the previous sampling event (December 13, 2007). Reported historical groundwater flow direction has been primarily to the southwest.

Dissolved groundwater concentrations are reported as follows.

TPH-G Detected in three of the twelve sampled wells with a maximum concentration of 970 µg/L in well MW-9. This is an increase from a maximum concentration of 9,700 µg/L in well MW-3 during the previous sampling event.

Benzene Detected in none twelve sampled wells. This is a decrease from the maximum concentration of 190 µg/L in well MW-3 during the previous sampling event.

Ethylbenzene Detected in one of the twelve wells at a concentration of 0.84 µg/L in MW-9 during the current sampling event.

MTBE Detected in five of the seven sampled wells with a maximum concentration of 5.0 µg/L in well MW-9. This is a decrease from a maximum concentration of 39 µg/L in well RW-1 during the previous sampling event. MW-1, MW-4, MW-7, and MW-8

showed concentrations of 3.2 µg/L, 1.1 µg/L, 1.0 µg/L, and 2.9 µg/L respectively during the current sampling event.

There was measurable LPH (0.13 feet) in MW-5 and therefore, this well was not sampled.

REMEDIATION STATUS

In 1989, approximately 350 cubic yards of soil was removed from the site during UST removal activities. During the tank removal activities, approximately 6,500-gallons of groundwater were pumped from the UST cavity.

In 1990, groundwater recovery tests were performed on four wells to determine potential locations for placement of recovery wells.

In 1993, a pilot vapor extraction test was performed at the site on well RW-1. A maximum concentration of 8.6 µg/l TPH-G was reported in the influent vapor stream. The calculated maximum hydrocarbon extraction rate during the test was 0.00049 lbs/hr.

Based on the low extraction rate, high groundwater levels, and fine-grained soil beneath the site, vapor extraction was determined to not be a feasible remedial option. Well RW-1 was initially installed to perform a groundwater recovery test, but due to lack of groundwater recharge, the test was not performed.

In 1998, the product piping and associated dispenser islands were replaced at the site. Denbeste Transportation, Inc. of Windsor, California transported a total of 30.20 tons of stockpiled soil from the site to the Forward Inc. Landfill in Stockton, California for the disposal.

On April 5-8, 2005, TRC conducted a 69-hour dual-phase extraction (DPE) event at the site using a mobile treatment system (MTS). This event was successful in removing a substantial amount of vapor-phase petroleum hydrocarbons from the subsurface in a relatively short time period. Influent vapor concentrations decreased over the course of the event and appeared to reach asymptotic levels. The influent concentrations and mass removal rates indicate that further short-term DPE treatment may be an effective means of reducing source material in the vicinity of RW-1, MW-3, and MW-5.

CHARACTERIZATION STATUS

Maximum historic TPH-G, benzene, and MTBE soil concentrations were reported at 9,700 ppm, 190 ppm, and 39 ppm, respectively.

During the current sampling event, maximum TPH-G, benzene and MTBE were detected at 970 µg/L (MW-9), ND, and 5.0 µg/L (MW-9) respectively.

RECENT CORRESPONDENCE

December 2008 Submittal of DWR *Well Completion Report Release Request and Confidentiality Agreement - Regulatory-Related Environmental Cleanup Study* for the ACEH for review and approval.

RECENT ACTIVITIES (Third and Fourth Quarters 2008)

- TRC prepared and submitted the *Quarterly Monitoring Report, July through December 2008*.
- Delta prepared *Semi-Annual Monitoring Report July through December 2008*.

UPCOMING ACTIVITIES (First and Second Quarters 2009)

- TRC will perform the first and second quarter 2008 groundwater monitoring and sampling event.
- TRC shall prepare the *Quarterly Monitoring Report, January Through June 2009*.

CONSULTANT: Delta Consultants



21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCSolutions.com

DATE: January 19, 2009

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 1871
96 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2008

Dear Mr. Grayson:

Please find enclosed our Quarterly Monitoring Report for 76 Station, located at 96 MacArthur Boulevard, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. John Reay, Delta Consultants (3 copies)

Enclosures
20-0400/1871R21.QMS

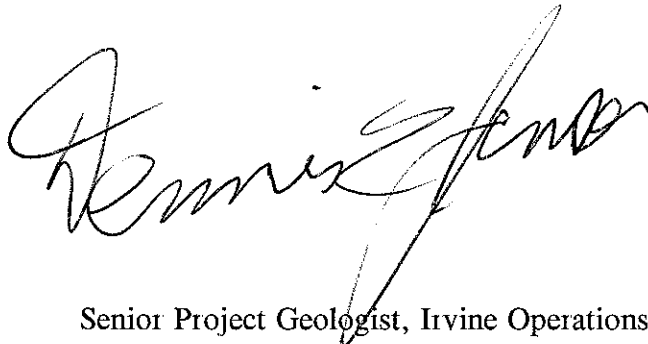
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2008**

76 STATION 1871
96 MacArthur Boulevard
Oakland, California

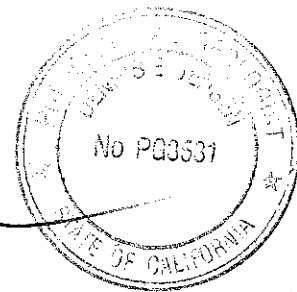
Prepared For:

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

By:


Senior Project Geologist, Irvine Operations

Date: 4/16/09



LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	<p>Table Key</p> <p>Contents of Tables</p> <p>Table 1: Current Fluid Levels and Selected Analytical Results</p> <p>Table 1a: Additional Current Analytical Results</p> <p>Table 2: Historic Fluid Levels and Selected Analytical Results</p> <p>Table 2a: Additional Historic Analytical Results</p> <p>Table 2b: Additional Historic Analytical Results</p>
Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2: Groundwater Elevation Contour Map</p> <p>Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map</p> <p>Figure 4: Dissolved-Phase Benzene Concentration Map</p> <p>Figure 5: Dissolved-Phase MTBE Concentration Map</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>TPH-G Concentrations vs. Time</p> <p>Benzene Concentrations vs. Time</p> <p>MTBE Concentrations vs. Time</p>
Field Activities	<p>General Field Procedures</p> <p>Field Monitoring Data Sheet – 12/30/08</p> <p>Groundwater Sampling Field Notes – 12/30/08</p>
Laboratory Reports	<p>Official Laboratory Reports</p> <p>Quality Control Reports</p> <p>Chain of Custody Records</p>
Statements	<p>Purge Water Disposal</p> <p>Limitations</p>

Summary of Gauging and Sampling Activities
October 2008 through December 2008
76 Station 1871
96 MacArthur Boulevard
Oakland, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **12/30/08**

Sample Points

Groundwater wells: **1** onsite, **6** offsite Points gauged: **7** Points sampled: **7**
Purging method: **Diaphragm 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: **6.73 feet** Maximum: **16.16 feet**
Average groundwater elevation (relative to available local datum): **68.98 feet**
Average change in groundwater elevation since previous event: **0.60 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.03 ft/ft, southwest**
 Previous event: **0.05 ft/ft, southwest (09/25/08)**

Selected Laboratory Results

Sample Points with detected **Benzene**: **1** Sample Points above MCL (1.0 µg/l): **1**
 Maximum reported benzene concentration: **2.5 µg/l (MW-1)**
Sample Points with **TPH-G by GC/MS** **5** Maximum: **3,200 µg/l (MW-1)**
Sample Points with **MTBE 8260B** **6** Maximum: **230 µg/l (MW-9)**

Notes:

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)

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
ICA	=	trichloroethane
ICE	=	trichloroethene
IPH-G	=	total petroleum hydrocarbons with gasoline distinction
IPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
IPH-D	=	total petroleum hydrocarbons with diesel distinction
IRPH	=	total recoverable petroleum hydrocarbons
IAME	=	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: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 1871 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
December 30, 2008
76 Station 1871

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
			(Screen Interval in feet: 9.5-24.5)											
MW-1			0.00	72.83	0.39	--	3200	2.5	ND<0.50	100	150	--	8.3	
12/30/08	86.99	14.16												
			(Screen Interval in feet: 5.0-25.0)											
MW-6			0.00	70.71	0.99	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
12/30/08	79.67	8.96												
			(Screen Interval in feet: 5.0-25.0)											
MW-7			0.00	71.68	0.56	--	130	ND<0.50	ND<0.50	ND<0.50	1.1	--	5.7	
12/30/08	80.67	8.99												
			(Screen Interval in feet: 5.0-25.0)											
MW-8			0.00	71.99	0.52	--	50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.7	
12/30/08	81.71	9.72												
			(Screen Interval in feet:--)											
MW-9			0.00	65.91	0.32	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	230	
12/30/08	82.07	16.16												
			(Screen Interval in feet:--)											
MW-10			0.00	68.25	0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.80	
12/30/08	74.98	6.73												
			(Screen Interval in feet:--)											
MW-11			0.00	61.49	0.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/08	77.31	15.82												

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Post-purge	Pre-purge	Pre-purge	Post-purge
			Dissolved Oxygen (mg/l)	Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
MW-1 12/30/08	400	ND<250	2.44	0.91	0	-2
MW-6 12/30/08	ND<10	ND<250	4.50	1.62	14	8
MW-7 12/30/08	ND<10	ND<250	4.13	1.81	-14	-19
MW-8 12/30/08	ND<10	ND<250	1.78	2.19	11	14
MW-9 12/30/08	21	ND<250	5.47	5.43	52	38
MW-10 12/30/08	ND<10	ND<250	5.89	3.18	181	184
MW-11 12/30/08	ND<10	ND<250	2.74	2.67	195	195

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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: 9.5-24.5)														
11/03/92	--	--	--	--	--	260000	--	2300	4600	3700	17000	--	--	
01/25/93	81.18	--	0.00	--	--	120000	--	2100	4600	4900	22000	--	--	
04/29/93	81.18	13.71	0.00	67.47	--	100000	--	850	2000	4300	19000	--	--	
07/16/93	81.18	14.51	0.00	66.67	-0.80	29000	--	590	560	980	4200	--	--	
10/19/93	81.18	15.20	0.00	65.98	-0.69	67000	--	1400	2600	2900	5000	--	--	
01/20/94	81.18	15.17	0.00	66.01	0.03	92000	--	1200	3000	3400	17000	--	--	
04/13/94	81.18	14.44	0.00	66.74	0.73	51000	--	1000	2600	3200	15000	--	--	
07/13/94	81.18	14.88	0.00	66.30	-0.44	35000	--	550	150	1400	5700	--	--	
10/10/94	81.18	15.55	0.00	65.63	-0.67	52000	--	1000	810	3300	12000	--	--	
01/10/95	81.18	12.44	0.00	68.74	3.11	810	--	16	18	59	250	--	--	
04/17/95	81.18	12.68	0.00	68.50	-0.24	48000	--	880	530	2500	11000	--	--	
07/24/95	81.18	13.97	0.00	67.21	-1.29	48000	--	1500	420	2700	9700	--	--	
10/23/95	81.18	14.85	0.00	66.33	-0.88	47000	--	780	210	2100	11000	270	--	
01/18/96	81.18	14.21	0.00	66.97	0.64	30000	--	1500	500	3500	13000	2400	--	
04/18/96	86.24	13.40	0.00	72.84	5.87	66000	--	2700	2200	3100	13000	57000	--	
07/24/96	86.24	14.15	0.00	72.09	-0.75	5600	--	2100	ND	160	160	24000	--	
10/24/96	86.24	14.85	0.00	71.39	-0.70	110000	--	7500	8000	3300	14000	58000	--	
01/28/97	86.24	11.25	0.00	74.99	3.60	94000	--	7700	19000	3100	15000	120000	--	
07/29/97	86.24	14.67	0.00	71.57	-3.42	ND	--	ND	ND	ND	ND	70000	--	
01/14/98	86.24	12.27	0.00	73.97	2.40	85000	--	6100	10000	3000	17000	110000	--	
07/01/98	86.24	14.32	0.00	71.92	-2.05	110000	--	8700	12000	2700	15000	110000	--	
06/18/99	86.24	13.93	0.00	72.31	0.39	49000	--	6900	6500	380	12000	72000	47000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
01/21/00	86.24	15.05	0.00	71.19	-1.12	63700	--	5520	2000	2640	13100	57100	--	
07/10/00	86.24	13.97	0.00	72.27	1.08	67800	--	9910	4120	3330	16100	67400	54000	
01/04/01	86.24	14.92	0.00	71.32	-0.95	63900	--	6270	784	2670	12900	--	38100	
07/16/01	86.24	14.32	0.00	71.92	0.60	66000	--	7100	330	2300	9800	36000	41000	
01/31/02	86.99	13.54	0.00	73.45	1.53	42000	--	5800	1800	2000	8200	26000	26000	
04/11/02	86.99	13.64	0.00	73.35	-0.10	58000	--	2900	1200	1800	10000	19000	--	
07/11/02	86.99	13.96	0.00	73.03	-0.32	--	5900	330	ND<10	230	600	--	3400	
10/15/02	86.99	14.71	0.00	72.28	-0.75	--	470	16	ND<2.5	14	16	--	390	
01/14/03	86.99	12.77	0.00	74.22	1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	49	
04/16/03	86.99	13.18	0.00	73.81	-0.41	--	510	57	0.62	29	61	--	160	
07/16/03	86.99	14.26	0.00	72.73	-1.08	--	27000	260	23	730	3200	--	1200	
10/02/03	86.99	14.95	0.00	72.04	-0.69	--	45000	1400	32	2900	7600	--	3200	
01/07/04	86.99	12.30	0.00	74.69	2.65	--	34000	690	41	1600	5200	--	2600	
04/02/04	86.99	13.18	0.00	73.81	-0.88	--	350	1.8	ND<0.50	6.2	30	--	19	
07/29/04	86.99	14.61	0.00	72.38	-1.43	--	41000	550	ND<20	2000	6100	--	1200	
11/24/04	86.99	14.98	0.00	72.01	-0.37	--	55000	910	28	3100	11000	--	1600	
01/24/05	86.99	12.98	0.00	74.01	2.00	--	24000	240	ND<20	1100	3600	--	1800	
06/23/05	86.99	13.39	0.00	73.60	-0.41	--	24000	140	ND<25	1100	2900	--	600	
09/28/05	86.99	14.63	0.00	72.36	-1.24	--	8200	22	0.97	290	660	--	320	
12/20/05	86.99	11.42	0.00	75.57	3.21	--	10000	17	29	180	840	--	2400	
03/10/06	86.99	10.98	0.00	76.01	0.44	--	10000	35	ND<5.0	470	1300	--	960	
06/23/06	86.99	11.85	0.00	75.14	-0.87	--	11000	110	ND<5.0	610	1600	--	780	
09/27/06	86.99	14.11	0.00	72.88	-2.26	--	8500	22	ND<10	270	740	--	460	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
12/22/06	86.99	13.66	0.00	73.33	0.45	--	7300	35	ND<5.0	370	850	--	210	
03/23/07	86.99	13.25	0.00	73.74	0.41	--	8800	28	ND<2.5	440	910	--	170	
06/29/07	86.99	13.47	0.00	73.52	-0.22	--	6300	16	ND<2.5	300	650	--	50	
09/28/07	86.99	13.92	0.00	73.07	-0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
12/17/07	86.99	14.57	0.00	72.42	-0.65	--	4700	ND<5.0	ND<5.0	71	160	--	18	
03/25/08	86.99	13.56	0.00	73.43	1.01	--	7400	28	ND<2.5	430	540	--	170	
06/12/08	86.99	14.07	0.00	72.92	-0.51	--	4900	6.4	ND<2.5	170	280	--	16	
09/25/08	86.99	14.55	0.00	72.44	-0.48	--	2200	2.1	ND<0.50	72	110	--	11	
12/30/08	86.99	14.16	0.00	72.83	0.39	--	3200	2.5	ND<0.50	100	150	--	8.3	
MW-2 (Screen Interval in feet: --)														
11/03/92	76.61	--	--	--	--	140	--	2.2	ND	ND	2.0	--	--	
01/25/93	76.61	--	--	--	--	2100	--	56	1.1	90	140	--	--	
04/29/93	76.61	9.73	0.00	66.88	--	1500	--	290	ND	33	11	--	--	
07/16/93	76.61	10.17	0.00	66.44	-0.44	510	--	17	0.60	3.2	2.5	--	--	
10/19/93	76.61	11.18	0.00	65.43	-1.01	670	--	24	1.1	7.7	23	--	--	
01/20/94	76.61	11.12	0.00	65.49	0.06	820	--	97	ND	12	ND	--	--	
04/13/94	76.61	10.12	0.00	66.49	1.00	550	--	71	ND	5.1	1.3	--	--	
07/13/94	76.61	10.86	0.00	65.75	-0.74	2000	--	490	ND	17	13	--	--	
10/10/94	76.61	11.48	0.00	65.13	-0.62	2300	--	340	ND	25	ND	--	--	
01/10/95	76.61	8.71	0.00	67.90	2.77	850	--	3.8	ND	8.5	1.3	--	--	
04/17/95	76.61	8.90	0.00	67.71	-0.19	1300	--	4.7	ND	8.3	1.2	--	--	
07/24/95	76.61	9.94	0.00	66.67	-1.04	960	--	20	ND	4.2	6.2	--	--	
10/23/95	76.61	10.70	0.00	65.91	-0.76	ND	--	ND	ND	ND	ND	19	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
01/18/96	76.61	10.11	0.00	66.50	0.59	900	--	300	86	7.6	18	4300	--	
04/18/96	81.66	9.27	0.00	72.39	5.89	18000	--	3600	680	890	4100	19000	--	
07/24/96	81.66	10.02	0.00	71.64	-0.75	100000	--	13000	21000	2700	16000	120000	--	
10/24/96	81.66	10.78	0.00	70.88	-0.76	800	--	110	17	11	20	20000	--	
01/28/97	81.66	7.70	0.00	73.96	3.08	45000	--	2400	2900	2000	7600	29000	--	
07/29/97	81.66	10.28	0.00	71.38	-2.58	ND	--	1.2	0.72	0.63	0.62	17000	--	
01/14/98	81.66	8.63	0.00	73.03	1.65	14000	--	1000	150	790	3300	23000	--	
07/01/98	81.66	9.53	0.00	72.13	-0.90	2700	--	100	ND	180	78	7100	--	
06/18/99	--	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-3 (Screen Interval in feet: --)														
11/03/92	77.48	--	--	--	--	2100	--	120	15	38	200	--	--	
01/25/93	77.48	--	--	--	--	2300	--	80	1	55	52	--	--	
04/29/93	77.48	11.37	0.00	66.11	--	4500	--	1700	ND	200	140	--	--	
07/16/93	77.48	12.09	0.00	65.39	-0.72	4000	--	1100	28	52	70	--	--	
10/19/93	77.48	12.69	0.00	64.79	-0.60	3800	--	42	ND	50	56	--	--	
01/20/94	77.48	12.65	0.00	64.83	0.04	4200	--	11	ND	21	15	--	--	
04/13/94	77.48	12.02	0.00	65.46	0.63	4200	--	210	ND	36	53	--	--	
07/13/94	77.48	12.46	0.00	65.02	-0.44	1800	--	16	16	ND	21	--	--	
10/10/94	77.48	12.98	0.00	64.50	-0.52	4300	--	11	ND	12	ND	--	--	
01/10/95	77.48	10.42	0.00	67.06	2.56	310	--	4.6	ND	3.5	2.1	--	--	
04/17/95	77.48	10.42	0.00	67.06	0.00	7800	--	ND	4.6	300	450	--	--	
07/24/95	77.48	11.76	0.00	65.72	-1.34	3200	--	170	ND	22	16	--	--	
10/23/95	77.48	12.50	0.00	64.98	-0.74	3900	--	55	ND	19	11	4500	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
01/18/96	77.48	11.79	0.00	65.69	0.71	2200	--	270	33	26	18	5500	--	
04/18/96	82.55	11.30	0.00	71.25	5.56	6000	--	1800	ND	100	230	48000	--	
07/24/96	82.55	12.17	0.00	70.38	-0.87	ND	--	2500	ND	ND	ND	71000	--	
10/24/96	82.55	12.65	0.00	69.90	-0.48	3800	--	660	ND	15	ND	65000	--	
01/28/97	82.55	9.50	0.00	73.05	3.15	4400	--	250	13	87	47	54000	--	
07/29/97	82.55	11.99	0.00	70.56	-2.49	ND	--	3500	ND	220	ND	75000	--	
01/14/98	82.55	10.30	0.00	72.25	1.69	ND	--	430	ND	100	380	37000	--	
07/01/98	82.55	11.70	0.00	70.85	-1.40	ND	--	430	ND	ND	ND	45000	--	
06/18/99	--	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-4 (Screen Interval in feet: --)														
04/18/96	82.04	9.83	0.00	72.21	--	ND	--	630	ND	ND	ND	18000	--	
07/24/96	82.04	10.47	0.00	71.57	-0.64	ND	--	ND	ND	ND	5.2	3900	--	
10/24/96	82.04	11.14	0.00	70.90	-0.67	ND	--	ND	ND	ND	ND	6300	--	
01/28/97	82.04	7.94	0.00	74.10	3.20	1200	--	490	ND	17	6.8	16000	--	
07/29/97	82.04	10.86	0.00	71.18	-2.92	50	--	1.5	0.61	0.73	0.78	15000	--	
01/14/98	82.04	8.73	0.00	73.31	2.13	ND	--	ND	ND	ND	ND	5200	--	
07/01/98	82.04	10.51	0.00	71.53	-1.78	ND	--	ND	ND	ND	ND	640	--	
06/18/99	82.04	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-5 (Screen Interval in feet: --)														
04/18/96	81.80	9.65	0.00	72.15	--	31000	--	5500	1400	1700	8100	66000	--	
07/24/96	81.80	10.80	0.00	71.00	-1.15	32000	--	6400	ND	1600	6100	120000	--	
10/24/96	81.80	11.40	0.00	70.40	-0.60	17000	--	6900	ND	970	130	84000	--	
01/28/97	81.80	7.76	0.00	74.04	3.64	19000	--	6100	62	82	310	160000	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
07/29/97	81.80	11.58	0.00	70.22	-3.82	ND	--	ND	ND	ND	ND	71000	--	
01/14/98	81.80	9.08	0.00	72.72	2.50	ND	--	3600	ND	ND	ND	80000	--	
07/01/98	81.80	11.25	0.00	70.55	-2.17	6400	--	2100	21	120	330	61000	--	
06/18/99	81.80	--	--	--	--	--	--	--	--	--	--	--	--	Well was destroyed
MW-6 (Screen Interval in feet: 5.0-25.0)														
06/18/99	78.91	9.30	0.00	69.61	--	2100	--	21	29	ND	47	97000	71000	
01/21/00	78.91	9.37	0.00	69.54	-0.07	1880	--	143	31.2	106	196	41200	48800	
07/10/00	78.91	8.94	0.00	69.97	0.43	5710	--	869	209	301	1430	22200	19500	
01/04/01	78.91	9.21	0.00	69.70	-0.27	ND	--	ND	ND	ND	ND	--	9510	
07/16/01	78.91	9.42	0.00	69.49	-0.21	4800	--	200	21	150	440	29000	34000	
01/31/02	78.91	8.50	0.00	70.41	0.92	12000	--	250	92	500	1500	26000	31000	
04/11/02	79.67	9.08	0.00	70.59	0.18	3600	--	42	32	39	280	120000	--	
07/11/02	79.67	9.70	0.00	69.97	-0.62	--	12000	ND<100	ND<100	ND<100	ND<200	--	15000	
10/15/02	79.67	9.96	0.00	69.71	-0.26	--	1300	ND<10	ND<10	ND<10	ND<20	--	3200	
01/14/03	79.67	8.31	0.00	71.36	1.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
04/16/03	79.67	8.21	0.00	71.46	0.10	--	270	ND<0.50	ND<0.50	ND<0.50	1.3	--	15	
07/16/03	79.67	9.43	0.00	70.24	-1.22	--	290	39	0.60	ND<0.50	15	--	150	
10/02/03	79.67	9.92	0.00	69.75	-0.49	--	200	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	220	
01/07/04	79.67	8.08	0.00	71.59	1.84	--	140	2.4	ND<1.0	8.6	13	--	86	
04/02/04	79.67	8.63	0.00	71.04	-0.55	--	3200	ND<20	ND<20	ND<20	ND<40	--	5900	
07/29/04	79.67	9.75	0.00	69.92	-1.12	--	170	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	160	
11/24/04	79.67	9.59	0.00	70.08	0.16	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	45	
01/24/05	79.67	8.33	0.00	71.34	1.26	--	100	1.1	ND<0.50	0.60	1.1	--	40	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
06/23/05	79.67	8.33	0.00	71.34	0.00	--	230	0.52	ND<0.50	3.6	9.6	--	200	
09/28/05	79.67	9.56	0.00	70.11	-1.23	--	500	ND<0.50	ND<0.50	ND<0.50	1.2	--	980	
12/20/05	79.67	7.82	0.00	71.85	1.74	--	640	0.79	ND<0.50	0.68	2.3	--	2400	
03/10/06	79.67	6.83	0.00	72.84	0.99	--	970	1.2	ND<0.50	1.3	5.0	--	3600	
06/23/06	79.67	8.13	0.00	71.54	-1.30	--	1700	ND<12	ND<12	ND<12	ND<25	--	1100	
09/27/06	79.67	9.44	0.00	70.23	-1.31	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	620	
12/22/06	79.67	8.60	0.00	71.07	0.84	--	9100	ND<10	ND<10	ND<10	ND<10	--	600	
03/23/07	79.67	8.39	0.00	71.28	0.21	--	330	ND<0.50	ND<0.50	0.82	ND<0.50	--	680	
06/29/07	79.67	9.02	0.00	70.65	-0.63	--	180	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	290	
09/28/07	79.67	9.65	0.00	70.02	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/17/07	79.67	9.62	0.00	70.05	0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
03/25/08	79.67	8.63	0.00	71.04	0.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
06/12/08	79.67	9.47	0.00	70.20	-0.84	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
09/25/08	79.67	9.95	0.00	69.72	-0.48	--	66	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	15	
12/30/08	79.67	8.96	0.00	70.71	0.99	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
MW-7 (Screen Interval in feet: 5.0-25.0)														
06/18/99	79.92	8.70	0.00	71.22	--	ND	--	ND	ND	ND	ND	16000	13000	
01/21/00	79.92	9.30	0.00	70.62	-0.60	ND	--	ND	ND	ND	ND	12300	18200	
07/10/00	79.92	8.72	0.00	71.20	0.58	ND	--	ND	ND	ND	ND	16900	13800	
01/04/01	79.92	9.17	0.00	70.75	-0.45	ND	--	ND	ND	ND	0.719	--	37.3	
07/16/01	79.92	9.02	0.00	70.90	0.15	ND	--	ND	ND	ND	ND	7200	4700	
01/31/02	79.92	7.91	0.00	72.01	1.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8900	9900	
04/11/02	80.67	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
07/11/02	80.67	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
10/15/02	80.67	9.81	0.00	70.86	--	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	12000	
01/14/03	80.67	7.89	0.00	72.78	1.92	--	ND<25000	ND<250	ND<250	ND<250	ND<500	--	33000	
04/16/03	80.67	8.04	0.00	72.63	-0.15	--	ND<25000	ND<250	ND<250	ND<250	ND<500	--	37000	
07/16/03	80.67	9.19	0.00	71.48	-1.15	--	25000	ND<250	ND<250	ND<250	ND<500	--	38000	
10/02/03	80.67	9.89	0.00	70.78	-0.70	--	17000	ND<100	ND<100	ND<100	ND<200	--	22000	
01/07/04	80.67	7.27	0.00	73.40	2.62	--	ND<20000	ND<200	460	ND<200	540	--	19000	
04/02/04	80.67	8.09	0.00	72.58	-0.82	--	3400	ND<20	ND<20	ND<20	ND<40	--	5100	
07/29/04	80.67	9.40	0.00	71.27	-1.31	--	7400	ND<50	ND<50	ND<50	ND<100	--	11000	
11/24/04	80.67	9.65	0.00	71.02	-0.25	--	6200	ND<50	ND<50	ND<50	ND<100	--	6800	
01/24/05	80.67	7.92	0.00	72.75	1.73	--	ND<5000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13000	
06/23/05	80.67	8.56	0.00	72.11	-0.64	--	8700	ND<25	ND<25	ND<25	ND<50	--	12000	
09/28/05	80.67	9.37	0.00	71.30	-0.81	--	1200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5700	
12/20/05	80.67	6.31	0.00	74.36	3.06	--	1100	0.90	ND<0.50	24	37	--	8200	
03/10/06	80.67	5.84	0.00	74.83	0.47	--	1200	24	ND<0.50	3.6	ND<1.0	--	4700	
06/23/06	80.67	6.83	0.00	73.84	-0.99	--	1800	21	ND<12	ND<12	ND<25	--	1500	
09/27/06	80.67	8.95	0.00	71.72	-2.12	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	350	
12/22/06	80.67	8.35	0.00	72.32	0.60	--	24000	ND<50	ND<50	ND<50	ND<50	--	190	
03/23/07	80.67	8.01	0.00	72.66	0.34	--	85	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	92	
06/29/07	80.67	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
09/28/07	80.67	9.05	0.00	71.62	--	--	50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	37	
12/19/07	80.67	9.23	0.00	71.44	-0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
03/25/08	80.67	8.45	0.00	72.22	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.3	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
06/12/08	80.67	8.92	0.00	71.75	-0.47	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
09/25/08	80.67	9.55	0.00	71.12	-0.63	--	65	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.6	
12/30/08	80.67	8.99	0.00	71.68	0.56	--	130	ND<0.50	ND<0.50	ND<0.50	1.1	--	5.7	
MW-8 (Screen Interval in feet: 5.0-25.0)														
06/18/99	80.96	9.10	0.00	71.86	--	ND	--	ND	ND	ND	ND	290	160	
01/21/00	80.96	10.00	0.00	70.96	-0.90	ND	--	ND	ND	ND	1.09	224	221	
07/10/00	80.96	7.94	0.00	73.02	2.06	ND	--	ND	ND	ND	ND	234	223	
01/04/01	80.96	9.76	0.00	71.20	-1.82	3790	--	141	8.92	128	375	--	34200	
07/16/01	80.96	9.15	0.00	71.81	0.61	ND	--	ND	ND	ND	ND	66	70	
01/31/02	80.96	7.99	0.00	72.97	1.16	5900	--	86	ND<10	630	390	670	700	
04/11/02	81.71	9.00	0.00	72.71	-0.26	250	--	2.0	ND<0.50	38	2.2	410	--	
07/11/02	81.71	9.60	0.00	72.11	-0.60	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
10/15/02	81.71	10.60	0.00	71.11	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	21	
01/14/03	81.71	8.63	0.00	73.08	1.97	--	ND<250	2.6	ND<2.5	18	ND<5.0	--	430	
04/16/03	81.71	8.98	0.00	72.73	-0.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
07/16/03	81.71	9.63	0.00	72.08	-0.65	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	140	
10/02/03	81.71	10.41	0.00	71.30	-0.78	--	75	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	78	
01/07/04	81.71	8.21	0.00	73.50	2.20	--	ND<5000	ND<50	ND<50	ND<50	340	--	3700	
04/02/04	81.71	8.51	0.00	73.20	-0.30	--	3000	ND<20	ND<20	ND<20	ND<40	--	5200	
07/29/04	81.71	9.78	0.00	71.93	-1.27	--	3200	ND<25	ND<25	ND<25	ND<50	--	5500	
11/24/04	81.71	10.19	0.00	71.52	-0.41	--	2100	ND<10	ND<10	ND<10	ND<20	--	2400	
01/24/05	81.71	8.49	0.00	73.22	1.70	--	ND<2500	4.0	0.52	ND<0.50	29	--	1800	
06/23/05	81.71	8.34	0.00	73.37	0.15	--	490	ND<0.50	ND<0.50	1.5	ND<1.0	--	980	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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														
09/28/05	81.71	9.61	0.00	72.10	-1.27	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	520	
12/20/05	81.71	7.35	0.00	74.36	2.26	--	2700	ND<0.50	ND<0.50	78	82	--	86	
03/10/06	81.71	6.63	0.00	75.08	0.72	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	51	
06/23/06	81.71	6.56	0.00	75.15	0.07	--	3600	ND<0.50	ND<0.50	100	57	--	ND<0.50	
09/27/06	81.71	9.64	0.00	72.07	-3.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
12/22/06	81.71	9.42	0.00	72.29	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.50	--	16	
03/23/07	81.71	8.68	0.00	73.03	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	12	
06/29/07	81.71	9.10	0.00	72.61	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	17	
09/28/07	81.71	9.89	0.00	71.82	-0.79	--	99	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	21	
12/17/07	81.71	9.81	0.00	71.90	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
03/25/08	81.71	8.40	0.00	73.31	1.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
06/12/08	81.71	9.53	0.00	72.18	-1.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
09/25/08	81.71	10.24	0.00	71.47	-0.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.6	
12/30/08	81.71	9.72	0.00	71.99	0.52	--	50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.7	
MW-9 (Screen Interval in feet: --)														
01/31/02	82.07	14.72	0.00	67.35	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	680	910	
04/11/02	82.07	14.85	0.00	67.22	-0.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	620	--	
07/11/02	82.07	15.39	0.00	66.68	-0.54	--	580	ND<5.0	ND<5.0	ND<5.0	ND<10	--	580	
10/15/02	82.07	16.16	0.00	65.91	-0.77	--	570	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1400	
01/14/03	82.07	14.75	0.00	67.32	1.41	--	ND<200	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	220	
04/16/03	82.07	14.51	0.00	67.56	0.24	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	860	
07/16/03	82.07	15.54	0.00	66.53	-1.03	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	1300	
10/02/03	82.07	16.28	0.00	65.79	-0.74	--	820	ND<5.0	ND<5.0	ND<5.0	ND<10	--	990	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
76 Station 1871

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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-9 continued														
01/07/04	82.07	14.65	0.00	67.42	1.63	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1200	
04/02/04	82.07	15.08	0.00	66.99	-0.43	--	510	ND<5.0	ND<5.0	ND<5.0	ND<10	--	850	
07/29/04	82.07	15.81	0.00	66.26	-0.73	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1300	
11/24/04	82.07	16.25	0.00	65.82	-0.44	--	1100	ND<5.0	ND<5.0	ND<5.0	ND<10	--	1300	
01/24/05	82.07	14.96	0.00	67.11	1.29	--	ND<1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2300	
06/23/05	82.07	14.40	0.00	67.67	0.56	--	1500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	2000	
09/28/05	82.07	15.67	0.00	66.40	-1.27	--	ND<2500	ND<25	ND<25	ND<25	ND<50	--	2400	
12/20/05	82.07	14.61	0.00	67.46	1.06	--	560	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2800	
03/10/06	82.07	13.39	0.00	68.68	1.22	--	1100	ND<5.0	ND<5.0	ND<5.0	ND<10	--	2100	
06/23/06	82.07	13.68	0.00	68.39	-0.29	--	1700	ND<12	ND<12	ND<12	ND<25	--	1700	
09/27/06	82.07	14.83	0.00	67.24	-1.15	--	ND<1200	ND<12	ND<12	ND<12	ND<12	--	1400	
12/22/06	82.07	14.75	0.00	67.32	0.08	--	680	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1100	
03/23/07	82.07	14.52	0.00	67.55	0.23	--	240	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	660	
06/29/07	82.07	14.89	0.00	67.18	-0.37	--	210	ND<0.50	ND<0.50	ND<0.50	0.52	--	410	
09/28/07	82.07	15.48	0.00	66.59	-0.59	--	390	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	430	
12/17/07	82.07	15.72	0.00	66.35	-0.24	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	480	
03/25/08	82.07	14.91	0.00	67.16	0.81	--	250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	340	
06/12/08	82.07	15.70	0.00	66.37	-0.79	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	270	
09/25/08	82.07	16.48	0.00	65.59	-0.78	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	320	
12/30/08	82.07	16.16	0.00	65.91	0.32	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	230	
MW-10 (Screen Interval in feet: --)														
01/31/02	74.98	8.02	0.00	66.96	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.2	
04/11/02	74.98	7.60	0.00	67.38	0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2008
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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)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-10 continued														
07/11/02	74.98	8.91	0.00	66.07	-1.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
10/15/02	74.98	11.49	0.00	63.49	-2.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/14/03	74.98	8.47	0.00	66.51	3.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/16/03	74.98	7.92	0.00	67.06	0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/16/03	74.98	7.03	0.00	67.95	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	74.98	7.63	0.00	67.35	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/07/04	74.98	6.22	0.00	68.76	1.41	--	54	ND<0.50	ND<0.50	1.3	4.5	--	ND<2.0	
04/02/04	74.98	7.49	0.00	67.49	-1.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.0	
07/29/04	74.98	7.41	0.00	67.57	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/24/04	74.98	7.55	0.00	67.43	-0.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.5	
01/24/05	74.98	6.40	0.00	68.58	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.71	
06/23/05	74.98	6.46	0.00	68.52	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/28/05	74.98	7.52	0.00	67.46	-1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/05	74.98	6.04	0.00	68.94	1.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.57	
03/10/06	74.98	5.86	0.00	69.12	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	74.98	6.42	0.00	68.56	-0.56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.50	
09/27/06	74.98	6.92	0.00	68.06	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	48	
12/22/06	74.98	5.90	0.00	69.08	1.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8.5	
03/23/07	74.98	6.48	0.00	68.50	-0.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
06/29/07	74.98	6.78	0.00	68.20	-0.30	--	ND<50	ND<0.50	ND<0.50	0.76	1.6	--	5.6	
09/28/07	74.98	7.24	0.00	67.74	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	15	
12/17/07	74.98	6.92	0.00	68.06	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.6	
03/25/08	74.98	6.74	0.00	68.24	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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76 Station 1871

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-10 continued														
06/12/08	74.98	7.11	0.00	67.87	-0.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
09/25/08	74.98	7.70	0.00	67.28	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.8	
12/30/08	74.98	6.73	0.00	68.25	0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.80	
MW-11 (Screen Interval in feet: --)														
01/31/02	77.31	11.71	0.00	65.60	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
04/11/02	77.31	11.95	0.00	65.36	-0.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
07/11/02	77.31	12.79	0.00	64.52	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
10/15/02	77.31	13.67	0.00	63.64	-0.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/14/03	77.31	13.31	0.00	64.00	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
04/16/03	77.31	14.08	0.00	63.23	-0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/16/03	77.31	12.98	0.00	64.33	1.10	--	65	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/02/03	77.31	12.96	0.00	64.35	0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/07/04	77.31	16.20	0.00	61.11	-3.24	--	63	ND<0.50	ND<0.50	0.68	2.2	--	ND<2.0	
04/02/04	77.31	18.01	0.00	59.30	-1.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/29/04	77.31	14.39	0.00	62.92	3.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/24/04	77.31	16.72	0.00	60.59	-2.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/24/05	77.31	17.44	0.00	59.87	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/05	77.31	12.37	0.00	64.94	5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/28/05	77.31	16.78	0.00	60.53	-4.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/20/05	77.31	17.06	0.00	60.25	-0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/10/06	77.31	16.20	0.00	61.11	0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/23/06	77.31	12.65	0.00	64.66	3.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/27/06	77.31	14.78	0.00	62.53	-2.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
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November 1992 Through December 2008
76 Station 1871

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-11 continued														
12/22/06	77.31	13.48	0.00	63.83	1.30	--	55	ND<0.50	ND<0.50	2.1	5.4	--	ND<0.50	
03/23/07	77.31	13.78	0.00	63.53	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/29/07	77.31	15.58	0.00	61.73	-1.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	0.62	--	ND<0.50	
09/28/07	77.31	16.02	0.00	61.29	-0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/17/07	77.31	15.75	0.00	61.56	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	ND<0.50	
03/25/08	77.31	15.74	0.00	61.57	0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/12/08	77.31	13.87	0.00	63.44	1.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/25/08	77.31	16.30	0.00	61.01	-2.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/08	77.31	15.82	0.00	61.49	0.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-1												
06/18/99	--	ND	ND	ND	--	ND	ND	ND	--	--	--	--
07/16/01	--	ND	ND	ND	--	ND	ND	ND	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
07/16/03	--	--	ND<10000	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<25000	--	--	--	--	--	--	25.1	45.7	80.1
01/07/04	--	--	ND<20000	--	--	--	--	--	--	12.12	12.31	142
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.33	13.42	36
07/29/04	--	--	ND<2000	--	--	--	--	--	--	5.37	5.51	-2
11/24/04	--	--	ND<2000	--	--	--	--	--	6.58	3.08	4.73	-43
01/24/05	--	--	ND<2000	--	--	--	--	--	--	14.3	17.0	100
06/23/05	--	--	ND<50000	--	--	--	--	--	--	--	4.79	-103
09/28/05	--	--	ND<1000	--	--	--	--	--	--	3.45	4.73	-91
12/20/05	--	--	ND<250	--	--	--	--	--	--	4.16	2.76	-210
03/10/06	--	--	ND<2500	--	--	--	--	--	--	1.45	1.64	-511
06/23/06	--	--	ND<2500	--	--	--	--	--	--	--	4.31	-030
09/27/06	--	--	ND<5000	--	--	--	--	--	--	4.50	4.72	-32
12/22/06	--	--	ND<2500	--	--	--	--	--	--	6.80	2.35	-121
03/23/07	--	--	ND<1200	--	--	--	--	--	--	3.22	3.45	-135
06/29/07	--	--	ND<1200	--	--	--	--	--	--	6.64	7.11	-131
09/28/07	--	--	ND<250	--	--	--	--	--	--	--	7.84	-167
12/17/07	--	--	ND<2500	--	--	--	--	--	--	9.74	6.51	-63
03/25/08	--	--	ND<1200	--	--	--	--	--	--	6.70	6.50	-60
06/12/08	--	330	ND<1200	--	--	--	--	--	--	--	4.33	65
09/25/08	--	740	ND<250	--	--	--	--	--	--	--	1.16	105
12/30/08	--	400	ND<250	--	--	--	--	--	--	2.44	0.91	0

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	TPH-D		Ethanol	Ethylene-	1,2-DCA	DIPE	ETBE	TAME	pH (lab)	Post-purge	Pre-purge	Pre-purge
	(µg/l)	(µg/l)	(8260B)	dibromide	(EDC)					Dissolved	Dissolved	
	(µg/l)	(µg/l)	(µg/l)	(EDB)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(pH)	(mg/l)	(mg/l)	(mV)
MW-4												
04/18/96	110	--	--	--	--	--	--	--	--	--	--	--
07/24/96	ND	--	--	--	--	--	--	--	--	--	--	--
10/24/96	ND	--	--	--	--	--	--	--	--	--	--	--
01/28/97	210	--	--	--	--	--	--	--	--	--	--	--
07/29/97	ND	--	--	--	--	--	--	--	--	--	--	--
01/14/98	ND	--	--	--	--	--	--	--	--	--	--	--
07/01/98	ND	--	--	--	--	--	--	--	--	--	--	--
MW-6												
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
07/11/02	--	ND<1000	ND<5000	ND<100	ND<100	ND<200	ND<100	ND<100	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<1000	--	--	--	--	--	--	15.5	26.2	139
01/07/04	--	--	ND<1000	--	--	--	--	--	--	12.63	14.29	-12
04/02/04	--	--	ND<2000	--	--	--	--	--	--	12.63	12.72	9
07/29/04	--	--	ND<100	--	--	--	--	--	--	4.74	4.79	-19
11/24/04	--	--	ND<50	--	--	--	--	--	6.99	2.81	5.54	-29
01/24/05	--	--	ND<50	--	--	--	--	--	--	14.5	15.3	72
06/23/05	--	--	ND<1000	--	--	--	--	--	--	1.86	1.73	70
09/28/05	--	--	ND<1000	--	--	--	--	--	--	2.63	2.57	-74
12/20/05	--	--	ND<250	--	--	--	--	--	--	1.52	2.30	-280
03/10/06	--	--	ND<250	--	--	--	--	--	--	5.25	0.80	173
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	3.39	-105
09/27/06	--	--	ND<6200	--	--	--	--	--	--	2.54	3.01	-109

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-6 continued												
12/22/06	--	--	ND<5000	--	--	--	--	--	--	1.22	4.03	-46
03/23/07	--	--	ND<250	--	--	--	--	--	--	3.64	3.62	-101
06/29/07	--	--	ND<250	--	--	--	--	--	--	8.49	6.78	171
09/28/07	--	--	ND<250	--	--	--	--	--	--	8.36	8.40	167
12/17/07	--	--	ND<250	--	--	--	--	--	--	10.19	9.38	-23
03/25/08	--	--	ND<250	--	--	--	--	--	--	10.03	10.10	-20
06/12/08	--	ND<10	ND<250	--	--	--	--	--	--	--	0.80	30
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	1.05	118
12/30/08	--	ND<10	ND<250	--	--	--	--	--	--	4.50	1.62	14
MW-7												
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
01/14/03	--	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	--
07/16/03	--	--	ND<250000	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<100000	--	--	--	--	--	--	24.3	28.2	109
01/07/04	--	--	ND<200000	--	--	--	--	--	--	10.79	10.85	23
04/02/04	--	--	ND<2000	--	--	--	--	--	--	12.41	11.32	24
07/29/04	--	--	ND<5000	--	--	--	--	--	--	4.10	3.96	17
11/24/04	--	--	ND<5000	--	--	--	--	--	6.60	1.99	3.29	-43
01/24/05	--	--	ND<5000	--	--	--	--	--	--	17.2	14.5	71
06/23/05	--	--	ND<50000	--	--	--	--	--	--	2.84	2.18	-37
09/28/05	--	--	ND<1000	--	--	--	--	--	--	3.45	3.63	-81
12/20/05	--	--	ND<250	--	--	--	--	--	--	2.04	2.03	-263
03/10/06	--	--	ND<250	--	--	--	--	--	--	1.28	0.95	164
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	3.95	-119

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-7 continued												
09/27/06	--	--	ND<6200	--	--	--	--	--	--	3.16	3.98	-107
12/22/06	--	--	ND<25000	--	--	--	--	--	--	2.25	2.03	-86
03/23/07	--	--	ND<250	--	--	--	--	--	--	3.38	3.75	-49
09/28/07	--	--	ND<250	--	--	--	--	--	--	8.16	7.96	30
12/19/07	--	--	ND<250	--	--	--	--	--	--	6.70	6.72	-17
03/25/08	--	--	ND<250	--	--	--	--	--	--	4.77	4.81	-30
06/12/08	--	30	ND<250	--	--	--	--	--	--	--	3.96	55
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	1.11	115
12/30/08	--	ND<10	ND<250	--	--	--	--	--	--	4.13	1.81	-14
MW-8												
06/18/99	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
07/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
01/14/03	--	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	23.6	28.5	188
01/07/04	--	--	ND<50000	--	--	--	--	--	--	9.94	13.13	-15
04/02/04	--	--	ND<2000	--	--	--	--	--	--	13.37	12.82	-10
07/29/04	--	--	ND<2500	--	--	--	--	--	--	3.68	3.73	18
11/24/04	--	--	ND<1000	--	--	--	--	--	6.67	3.97	2.71	-36
01/24/05	--	--	ND<2500	--	--	--	--	--	--	41.6	41.2	56
06/23/05	--	--	ND<1000	--	--	--	--	--	--	2.05	2.13	58
09/28/05	--	--	ND<1000	--	--	--	--	--	--	2.12	1.98	-40
12/20/05	--	--	ND<250	--	--	--	--	--	--	2.02	3.72	-402
03/10/06	--	--	ND<250	--	--	--	--	--	--	1.51	0.99	-182
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	2.81	-135

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-8 continued												
09/27/06	--	--	ND<250	--	--	--	--	--	--	4.87	4.91	-155
12/22/06	--	--	ND<250	--	--	--	--	--	--	1.80	2.40	16
03/23/07	--	--	ND<250	--	--	--	--	--	--	3.52	3.90	25
06/29/07	--	--	ND<250	--	--	--	--	--	--	5.35	5.29	98
09/28/07	--	--	ND<250	--	--	--	--	--	--	7.18	7.24	16
12/17/07	--	--	ND<250	--	--	--	--	--	--	6.95	5.26	26
03/25/08	--	--	ND<250	--	--	--	--	--	--	5.22	5.15	70
06/12/08	--	ND<10	ND<250	--	--	--	--	--	--	--	9.40	38
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	1.33	98
12/30/08	--	ND<10	ND<250	--	--	--	--	--	--	1.78	2.19	11
MW-9												
01/31/02	--	ND<140	ND<3600	ND<7.1	ND<7.1	ND<7.1	ND<7.1	ND<7.1	--	--	--	--
01/14/03	--	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	--	--	--	--
07/16/03	--	--	ND<25000	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<5000	--	--	--	--	--	--	29.5	28.4	201
01/07/04	--	--	ND<10000	--	--	--	--	--	--	10.45	12.00	9
04/02/04	--	--	ND<500	--	--	--	--	--	--	16.37	13.21	12
07/29/04	--	--	ND<1000	--	--	--	--	--	--	--	--	--
11/24/04	--	--	ND<500	--	--	--	--	--	6.47	3.24	1.71	-68
01/24/05	--	--	ND<1000	--	--	--	--	--	--	26.0	22.5	-45
06/23/05	--	--	ND<10000	--	--	--	--	--	--	1.50	1.44	-136
09/28/05	--	--	ND<50000	--	--	--	--	--	--	2.51	1.67	-94
12/20/05	--	--	ND<250	--	--	--	--	--	--	5.05	4.67	-102
03/10/06	--	--	ND<2500	--	--	--	--	--	--	2.82	2.13	160
06/23/06	--	--	ND<6200	--	--	--	--	--	--	--	0.84	-65

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-9 continued												
09/27/06	--	--	ND<6200	--	--	--	--	--	--	0.68	0.75	-61
12/22/06	--	--	ND<250	--	--	--	--	--	--	9.00	4.89	-44
03/23/07	--	--	ND<250	--	--	--	--	--	--	6.85	5.33	-114
06/29/07	--	--	ND<250	--	--	--	--	--	--	6.87	6.25	23
09/28/07	--	--	ND<1200	--	--	--	--	--	--	7.17	7.04	30
12/17/07	--	--	ND<250	--	--	--	--	--	--	5.05	4.81	-27
03/25/08	--	--	ND<1200	--	--	--	--	--	--	6.55	6.67	-10
06/12/08	--	250	ND<250	--	--	--	--	--	--	--	2.55	86
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	1.44	26
12/30/08	--	21	ND<250	--	--	--	--	--	--	5.47	5.43	52
MW-10												
01/31/02	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	24.8	25.7	192
01/07/04	--	--	ND<500	--	--	--	--	--	--	10.04	11.62	35
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.91	12.02	42
07/29/04	--	--	ND<50	--	--	--	--	--	--	4.81	4.83	83
11/24/04	--	--	ND<50	--	--	--	--	--	6.89	2.59	3.07	-39
01/24/05	--	--	ND<50	--	--	--	--	--	--	27.5	25.5	87
06/23/05	--	--	ND<1000	--	--	--	--	--	--	7.83	176	40
09/28/05	--	--	ND<1000	--	--	--	--	--	--	6.95	2.37	-66
12/20/05	--	--	ND<250	--	--	--	--	--	--	3.85	3.45	59
03/10/06	--	--	ND<250	--	--	--	--	--	--	2.52	4.48	87
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	1.49	-68

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-10 continued												
09/27/06	--	--	ND<250	--	--	--	--	--	--	1.79	1.55	-85
12/22/06	--	--	ND<250	--	--	--	--	--	--	3.20	3.00	107
03/23/07	--	--	ND<250	--	--	--	--	--	--	5.09	5.01	-60
06/29/07	--	--	ND<250	--	--	--	--	--	--	9.12	6.27	165
09/28/07	--	--	ND<250	--	--	--	--	--	--	8.34	8.21	124
12/17/07	--	--	ND<250	--	--	--	--	--	--	4.97	4.46	-15
03/25/08	--	--	ND<250	--	--	--	--	--	--	4.35	4.40	-10
06/12/08	--	ND<10	ND<250	--	--	--	--	--	--	--	1.42	75
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	52.15	94
12/30/08	--	ND<10	ND<250	--	--	--	--	--	--	5.89	3.18	181
MW-11												
01/31/02	--	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--
01/14/03	--	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--
07/16/03	--	--	ND<500	--	--	--	--	--	--	--	--	--
10/02/03	--	--	ND<500	--	--	--	--	--	--	33.7	23.2	202
01/07/04	--	--	ND<500	--	--	--	--	--	--	11.69	13.82	99
04/02/04	--	--	ND<50	--	--	--	--	--	--	11.94	14.08	-1
07/29/04	--	--	ND<50	--	--	--	--	--	--	--	--	--
11/24/04	--	--	ND<50	--	--	--	--	--	6.75	3.85	4.32	82
01/24/05	--	--	ND<50	--	--	--	--	--	--	30.01	32.6	79
06/23/05	--	--	ND<1000	--	--	--	--	--	--	2.17	2.16	76
09/28/05	--	--	ND<1000	--	--	--	--	--	--	4.97	4.59	-4
12/20/05	--	--	ND<250	--	--	--	--	--	--	5.16	4.77	35
03/10/06	--	--	ND<250	--	--	--	--	--	--	5.11	9.99	68
06/23/06	--	--	ND<250	--	--	--	--	--	--	--	7.74	-26

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

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)	pH (lab) (pH)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)
MW-11 continued												
09/27/06	--	--	ND<250	--	--	--	--	--	--	5.72	5.98	32
12/22/06	--	--	ND<250	--	--	--	--	--	--	3.81	4.35	46
03/23/07	--	--	ND<250	--	--	--	--	--	--	5.47	5.85	38
06/29/07	--	--	ND<250	--	--	--	--	--	--	7.87	7.80	242
09/28/07	--	--	ND<250	--	--	--	--	--	--	7.24	7.30	280
12/17/07	--	--	ND<250	--	--	--	--	--	--	8.71	8.01	47
03/25/08	--	--	ND<250	--	--	--	--	--	--	8.41	8.40	45
06/12/08	--	ND<10	ND<250	--	--	--	--	--	--	--	3.33	160
09/25/08	--	ND<10	ND<250	--	--	--	--	--	--	--	4.28	115
12/30/08	--	ND<10	ND<250	--	--	--	--	--	--	2.74	2.67	195

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
MW-1	
10/02/03	21.0
01/07/04	24
04/02/04	34
07/29/04	-4
11/24/04	-39
01/24/05	96
09/28/05	-94
12/20/05	-328
03/10/06	-615
09/27/06	-25
12/22/06	-72
03/23/07	-141
06/29/07	-65
12/17/07	-46
03/25/08	-64
12/30/08	-2
MW-6	
10/02/03	175
01/07/04	24
04/02/04	23
07/29/04	-8
11/24/04	-12
01/24/05	70
06/23/05	71
09/28/05	-80

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
-----------------	---------------------------

MW-6 continued

12/20/05	-217
03/10/06	224
09/27/06	-104
12/22/06	-67
03/23/07	-92
06/29/07	84
09/28/07	154
12/17/07	-14
03/25/08	-18
12/30/08	8

MW-7

10/02/03	153
01/07/04	5
04/02/04	10
07/29/04	18
11/24/04	-24
01/24/05	48
06/23/05	-32
09/28/05	-85
12/20/05	-256
03/10/06	-179
09/27/06	-95
12/22/06	-101
03/23/07	-47
09/28/07	26

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
MW-7 continued	
12/19/07	-13
03/25/08	-34
12/30/08	-19
MW-8	
10/02/03	197
01/07/04	21
04/02/04	16
07/29/04	30
11/24/04	-20
01/24/05	60
06/23/05	56
09/28/05	-26
12/20/05	-326
03/10/06	-181
09/27/06	-139
12/22/06	12
03/23/07	22
06/29/07	92
09/28/07	22
12/17/07	24
03/25/08	77
12/30/08	14
MW-9	
10/02/03	203
01/07/04	27

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
-----------------	---------------------------

MW-9 continued

04/02/04	32
11/24/04	-67
01/24/05	-45
06/23/05	-144
09/28/05	-119
12/20/05	-42
03/10/06	161
09/27/06	-43
12/22/06	-70
03/23/07	-82
06/29/07	22
09/28/07	30
12/17/07	-35
03/25/08	-14
12/30/08	38

MW-10

10/02/03	213
01/07/04	59
04/02/04	45
07/29/04	102
11/24/04	-29
01/24/05	84
06/23/05	44
09/28/05	-64
12/20/05	58

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
-----------------	---------------------------

MW-10 continued

03/10/06	83
09/27/06	-65
12/22/06	85
06/29/07	172
09/28/07	126
12/17/07	-2
03/25/08	-12
12/30/08	184

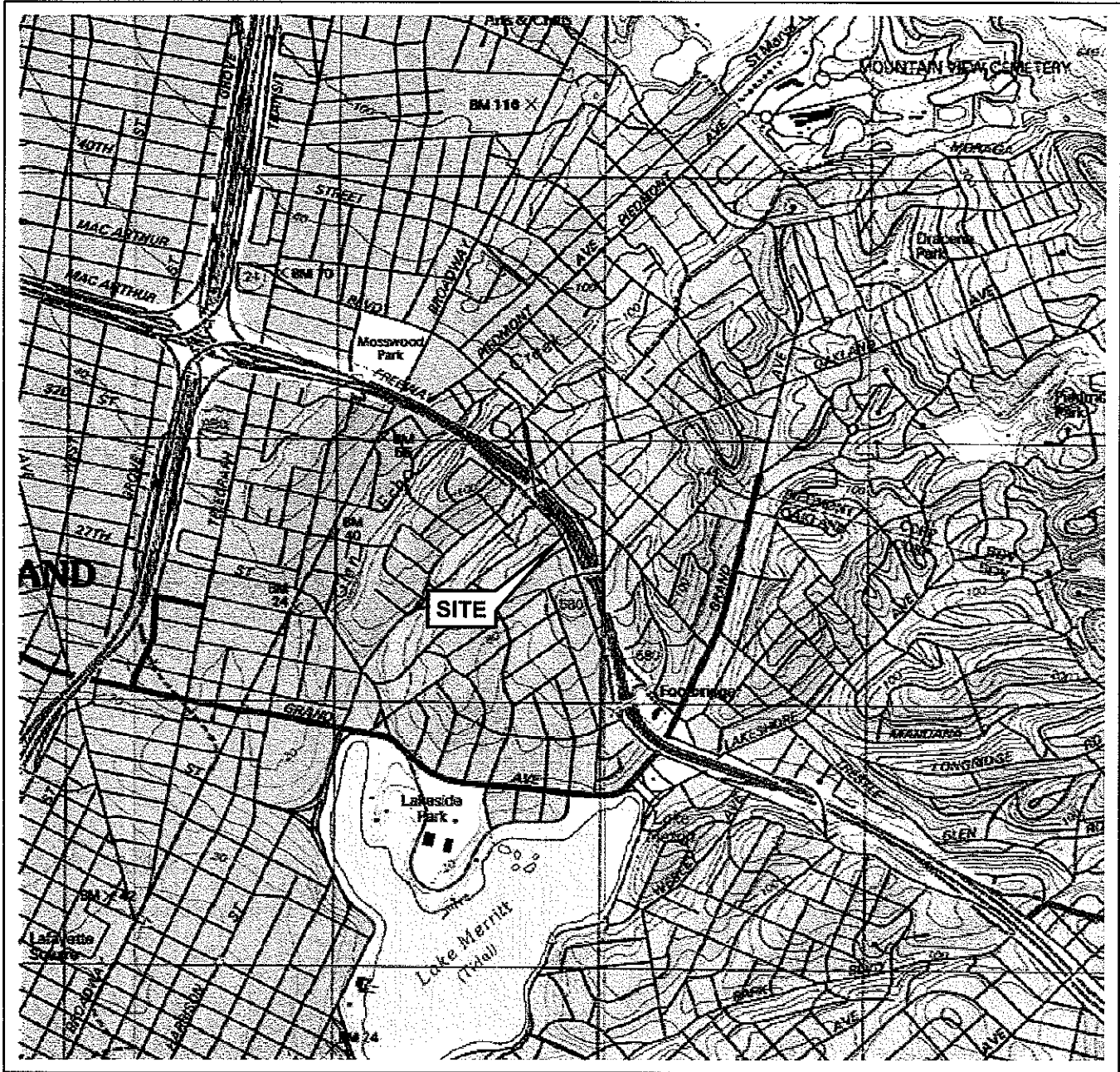
MW-11

10/02/03	255
01/07/04	103
04/02/04	108
11/24/04	143
01/24/05	83
06/23/05	82
09/28/05	-1
12/20/05	070
03/10/06	97
09/27/06	40
12/22/06	44
03/23/07	34
06/29/07	223
09/28/07	244
12/17/07	46
03/25/08	44

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 1871

Date Sampled	Post-purge ORP (mV)
MW-11	continued
12/30/08	195

FIGURES



SOURCE:

United States Geological Survey
7 1/2 Minute Topographic Map:
Oakland Quadrangle

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



SCALE 1:24,000



QUADRANGLE
LOCATION







FACILITY:

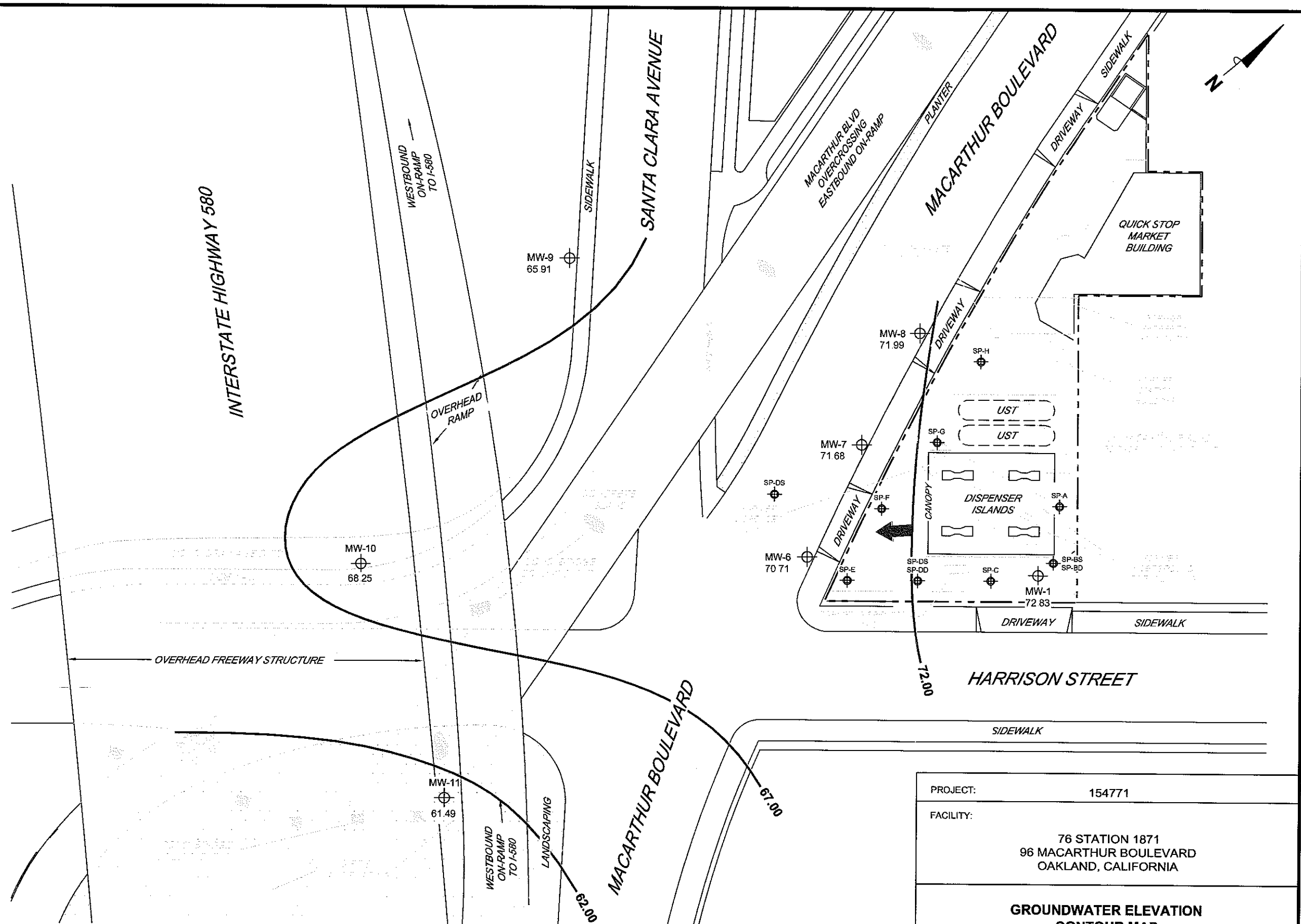
76 STATION 1871
96 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

VICINITY MAP

FIGURE 1

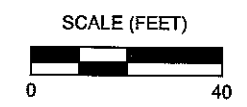
LEGEND


- MW-11  Monitoring Well with Groundwater Elevation (feet)
- SP-H  Ozone Sparge Well
- 72.00  Groundwater Elevation Contour
-  General Direction of Groundwater Flow





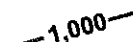
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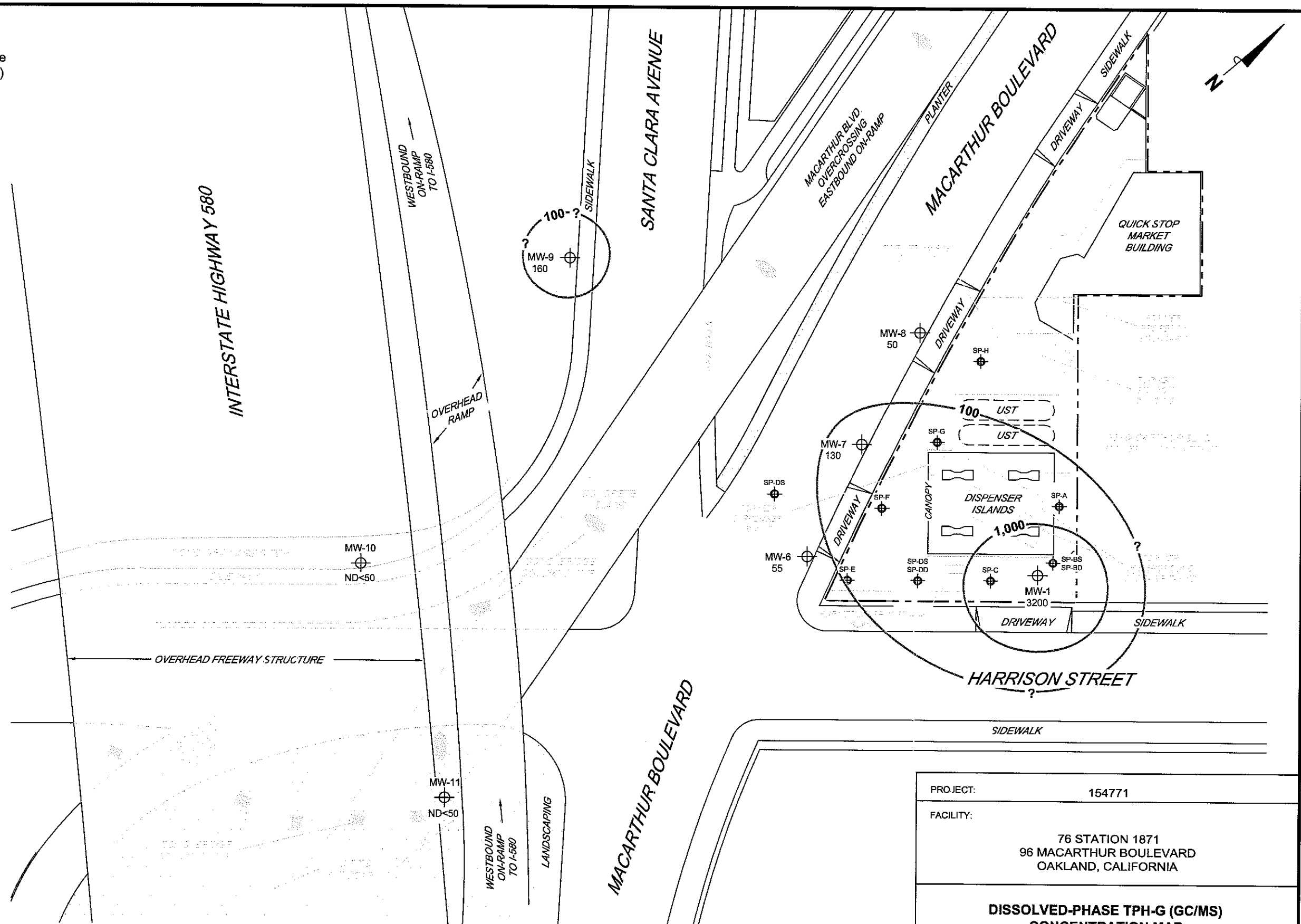
NOTES:
 Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.



PROJECT:	154771
FACILITY:	76 STATION 1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA
GROUNDWATER ELEVATION CONTOUR MAP December 30, 2008	
	FIGURE 2

LEGEND

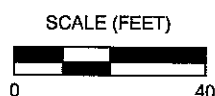
- MW-11  Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)
- SP-H  Ozone Sparge Well
-  1,000 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)




MS=1-140 1871-003 L:\Graphics\ICMS NORTH-SOUTH\10001871\1871-QMS.DWG Jan 15, 2009 - 2:10pm akakors


NOTES:

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




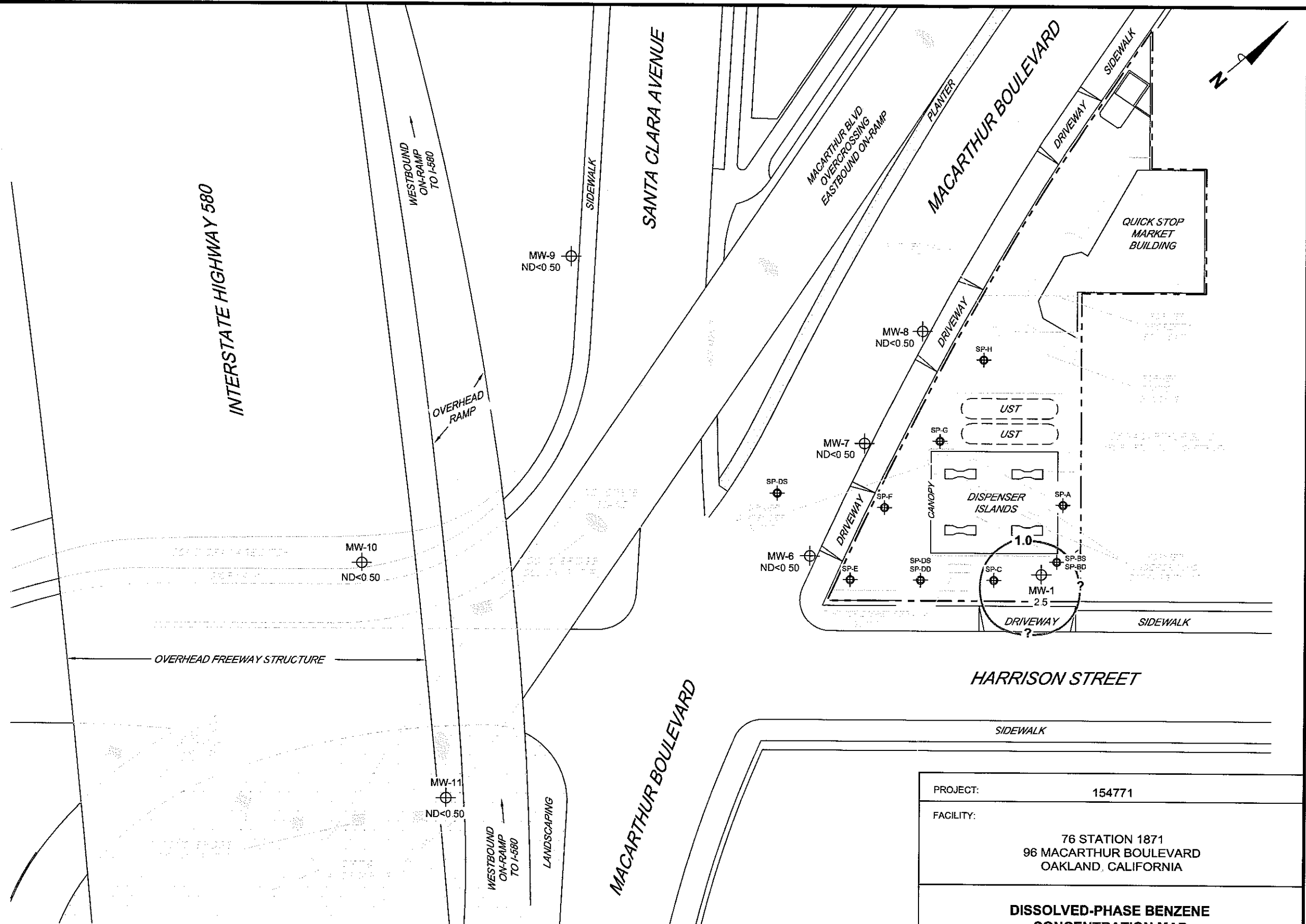
PROJECT:	154771
FACILITY:	76 STATION 1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA
DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP December 30, 2008	
	FIGURE 3

LEGEND

MW-11  Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g/l}$)

SP-H  Ozone Sparge Well

1.0  Dissolved-Phase Benzene Contour ($\mu\text{g/l}$)




L:\graphics\QMS NORTH-SOUTH\10001871\11871-QMS.DWG Jan 15, 2009 - 2:11pm askers

NOTES:




Contour lines are interpretive and based on laboratory analysis results of groundwater samples
 $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
 UST = underground storage tank

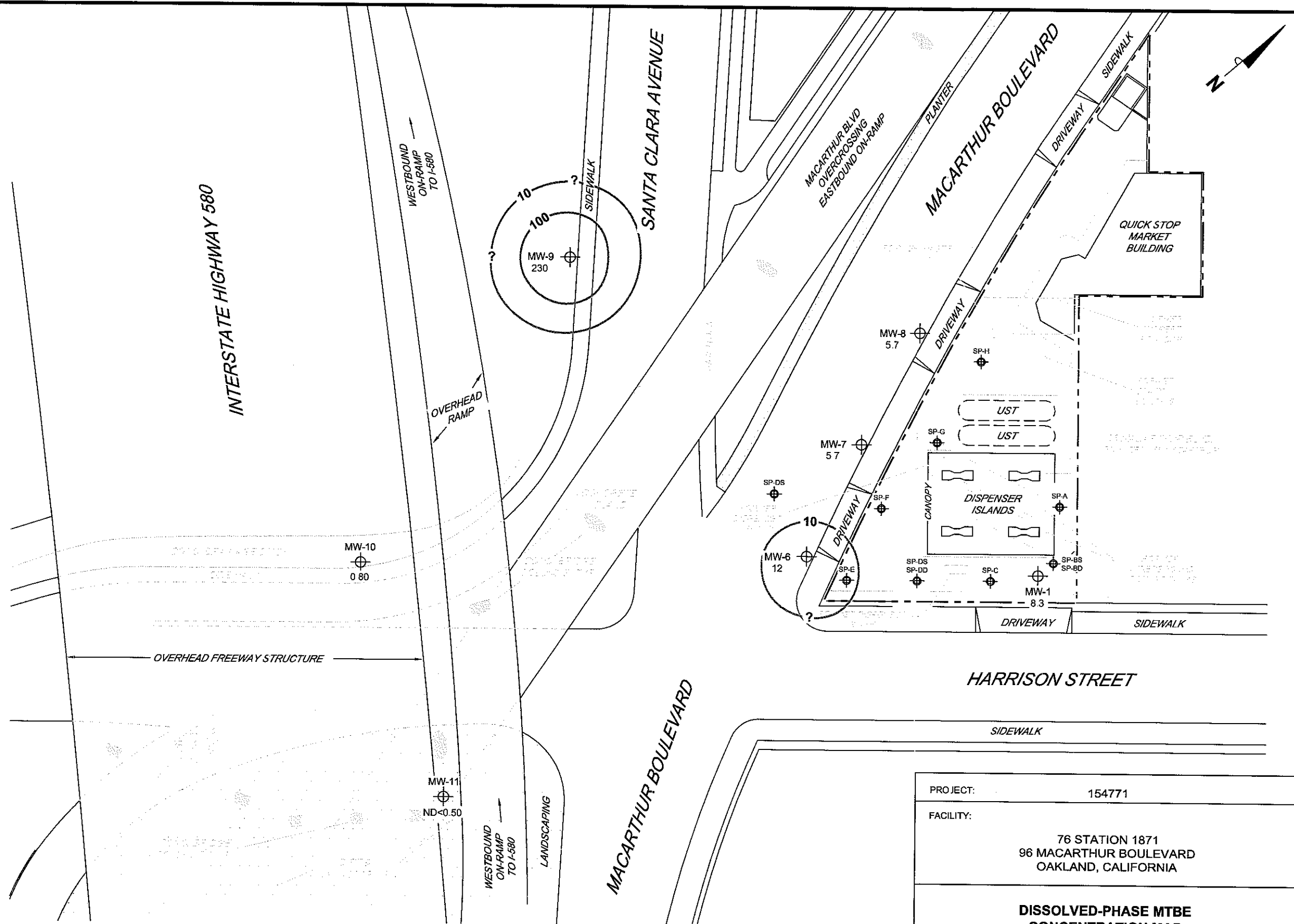
SCALE (FEET)



PROJECT:	154771
FACILITY:	76 STATION 1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA
DISSOLVED-PHASE BENZENE CONCENTRATION MAP December 30, 2008	
	FIGURE 4

LEGEND

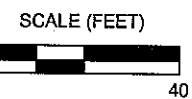
- MW-11  Monitoring Well with Dissolved-Phase MTBE Concentration ($\mu\text{g/l}$)
- SP-H  Ozone Sparge Well
-  100 Dissolved-Phase MTBE Contour ($\mu\text{g/l}$)




MS=1-40 1871-003 L:\Graphics\GIS NORTH-SOUTH\10001871-1871-QMS.DWG Jan 15, 2009 - 2:14pm akers

NOTES:

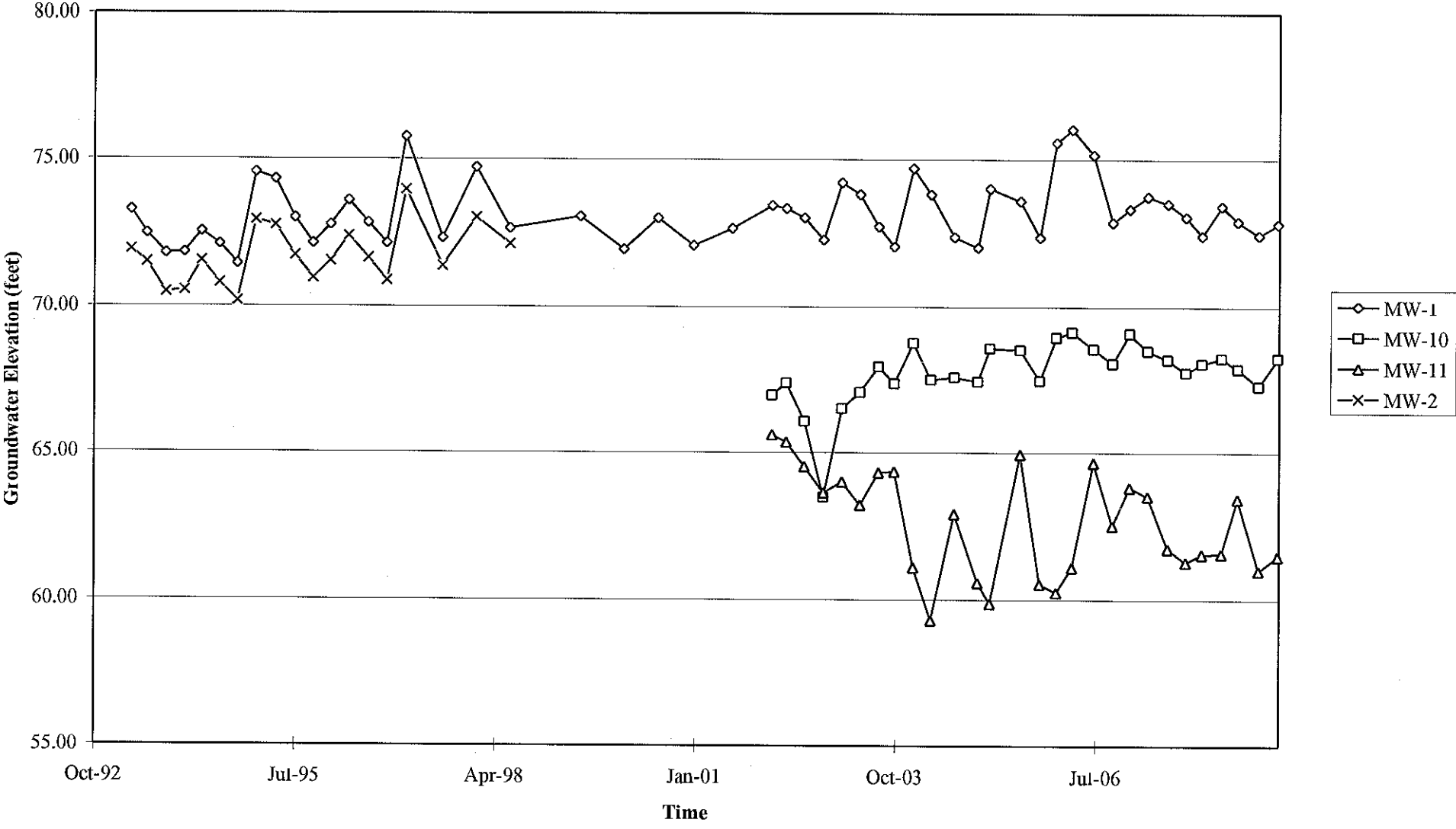
Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
 MTBE = methyl tertiary butyl ether. $\mu\text{g/l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.



PROJECT:	154771
FACILITY:	76 STATION 1871 96 MACARTHUR BOULEVARD OAKLAND, CALIFORNIA
DISSOLVED-PHASE MTBE CONCENTRATION MAP December 30, 2008	
	FIGURE 5

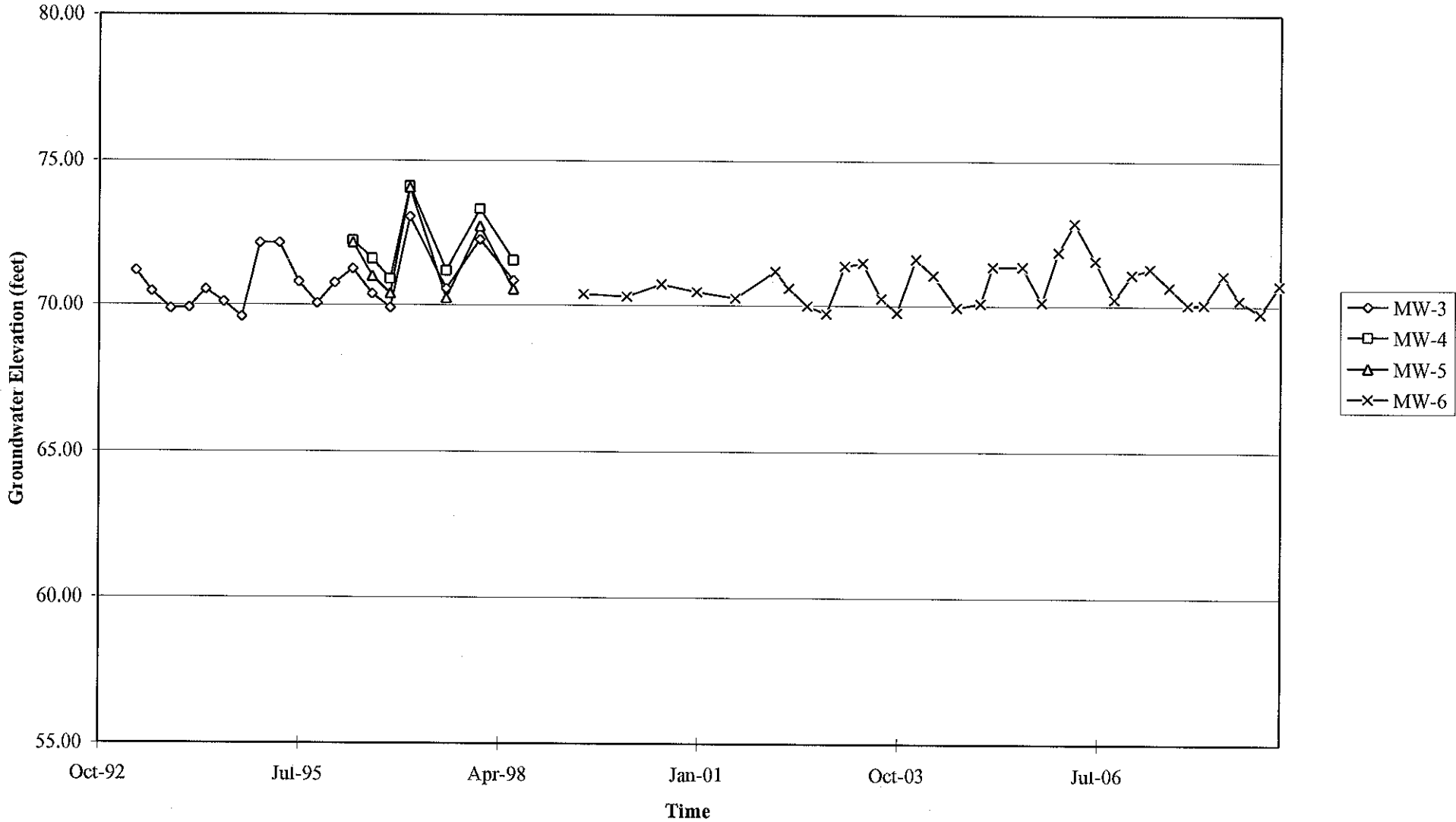
GRAPHS

Groundwater Elevations vs. Time
76 Station 1871



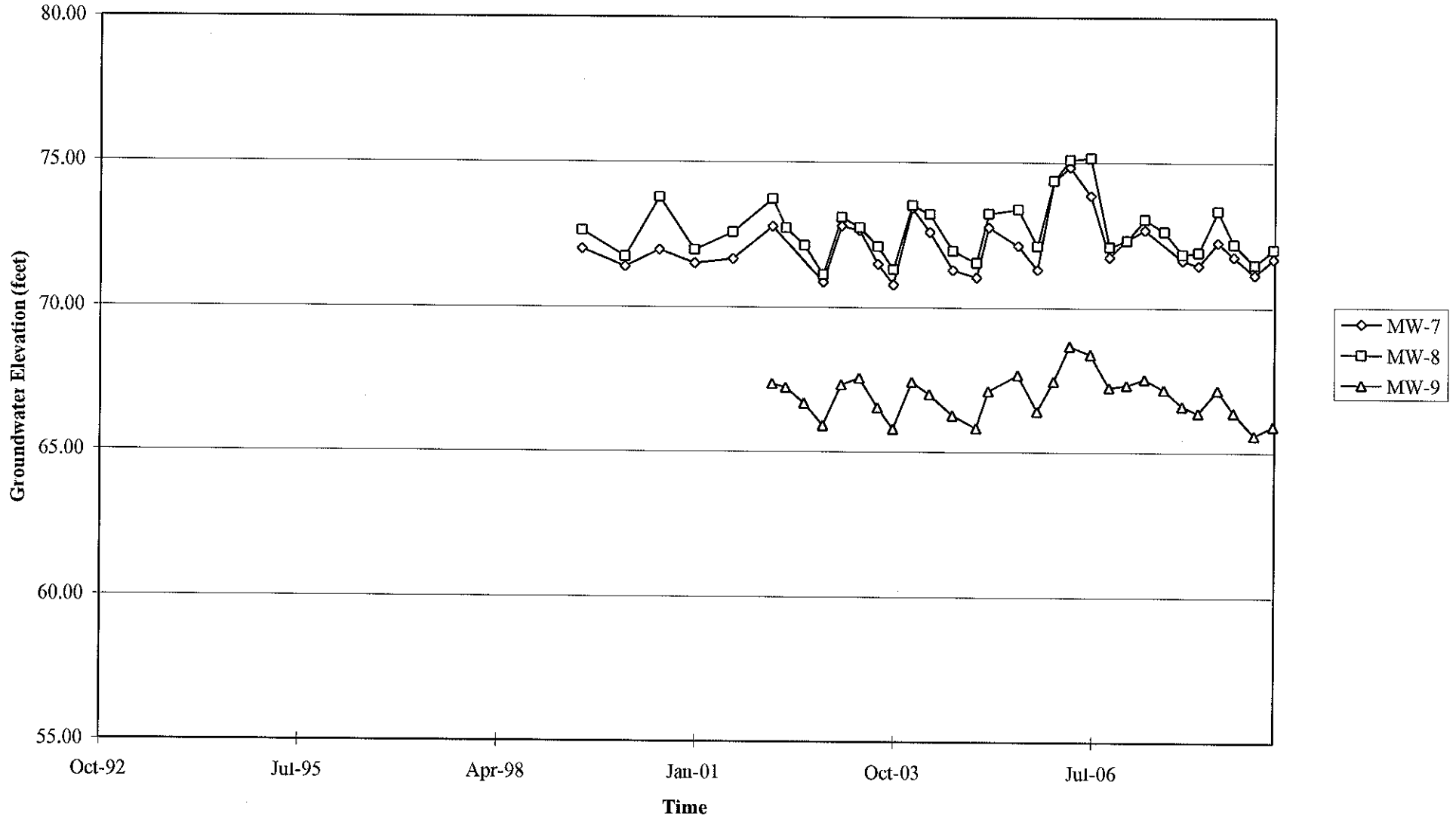
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 1871



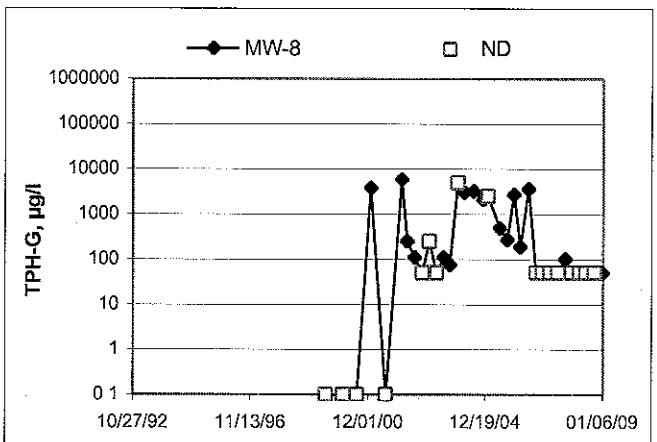
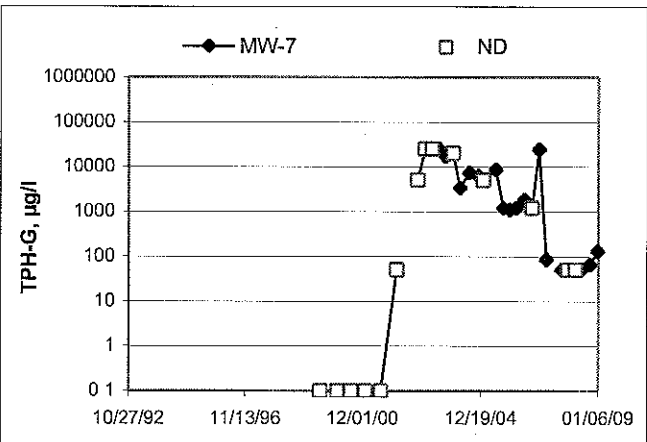
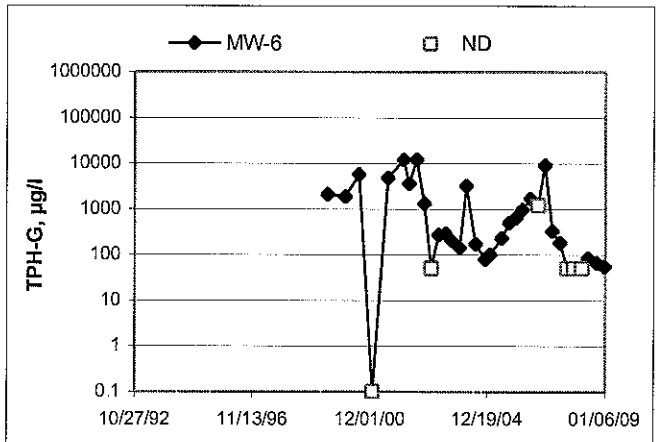
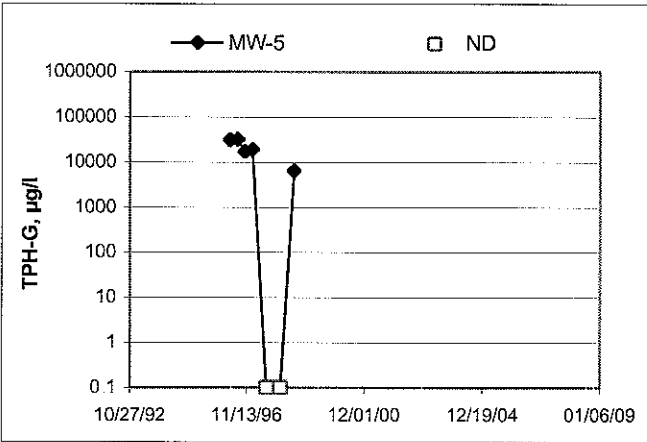
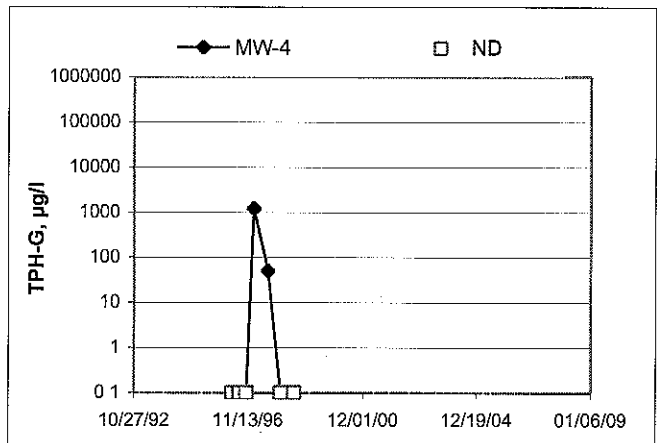
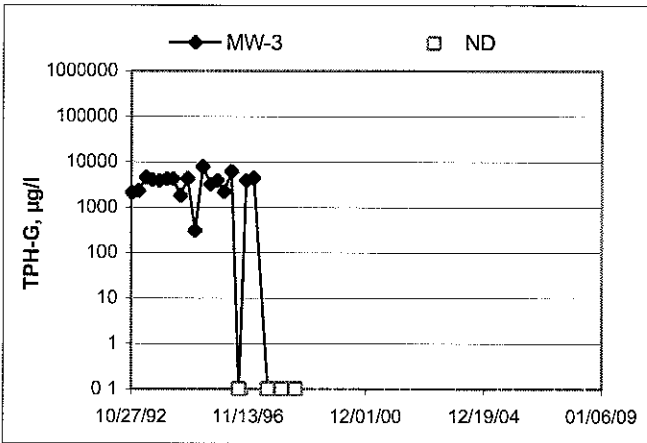
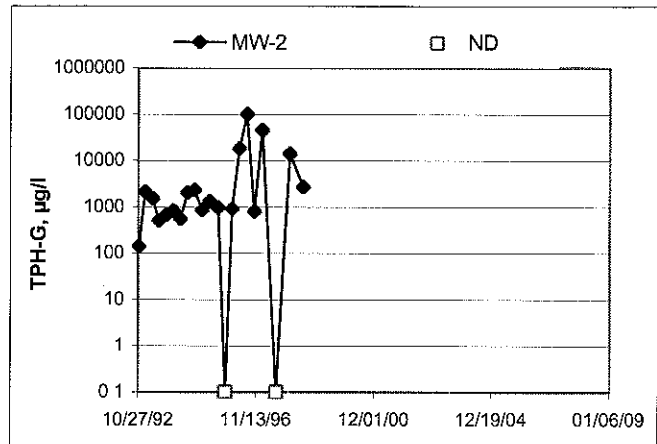
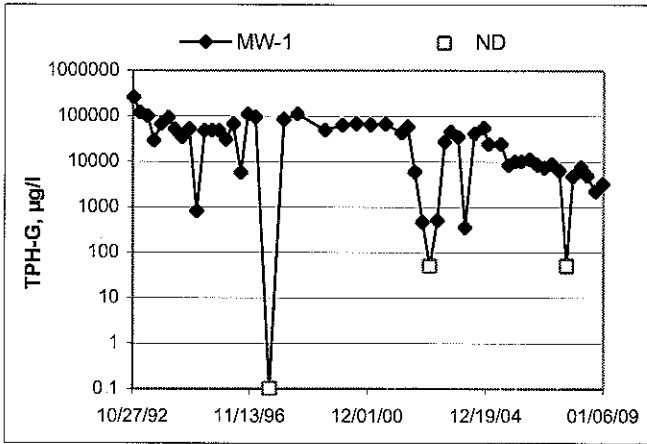
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 1871

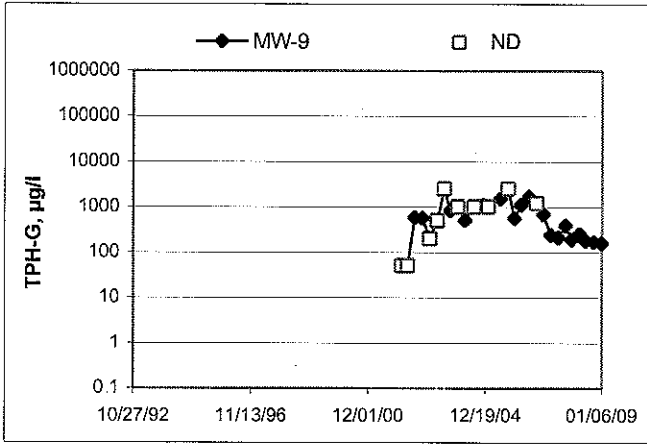


Elevations may have been corrected for apparent changes due to resurvey

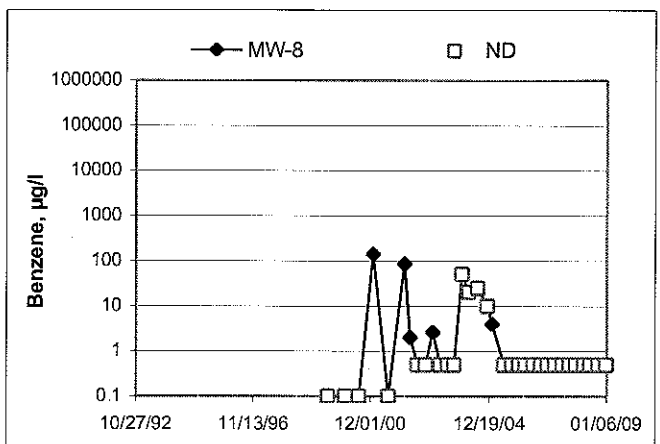
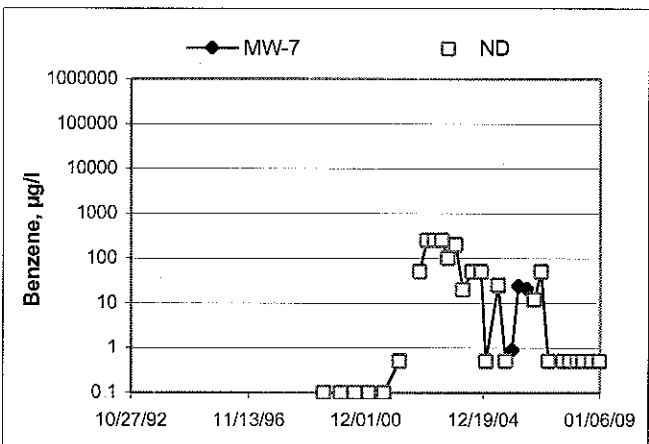
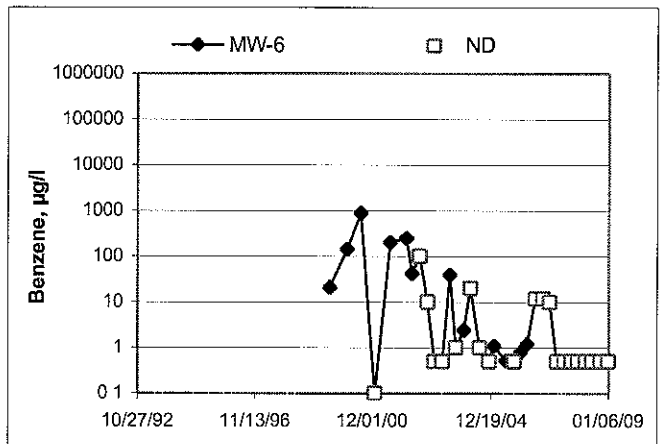
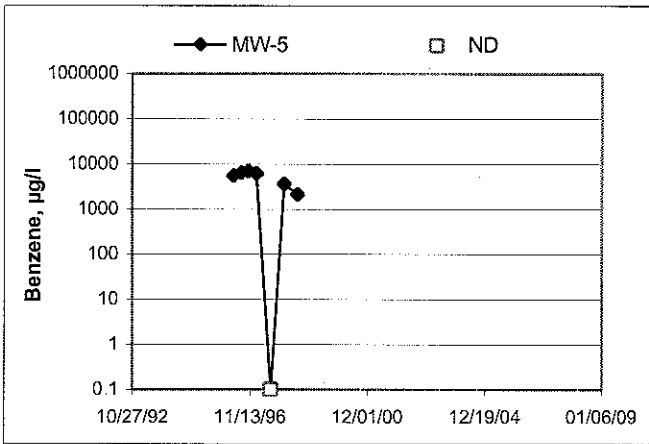
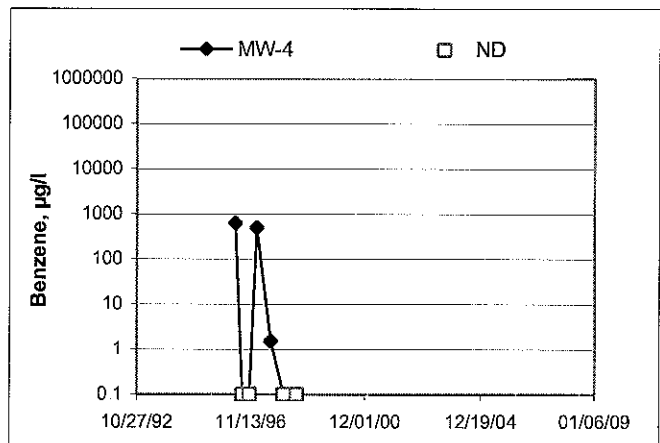
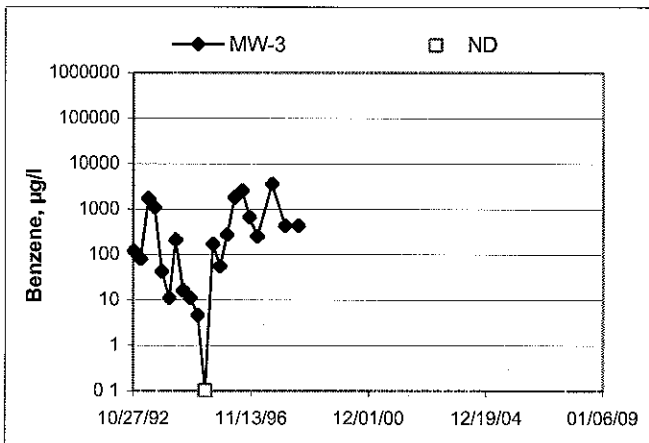
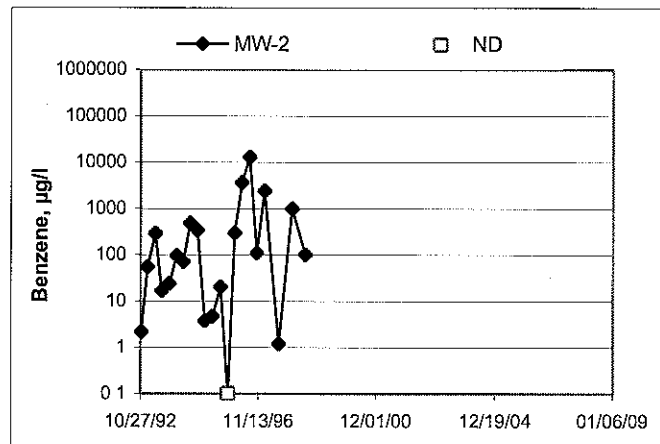
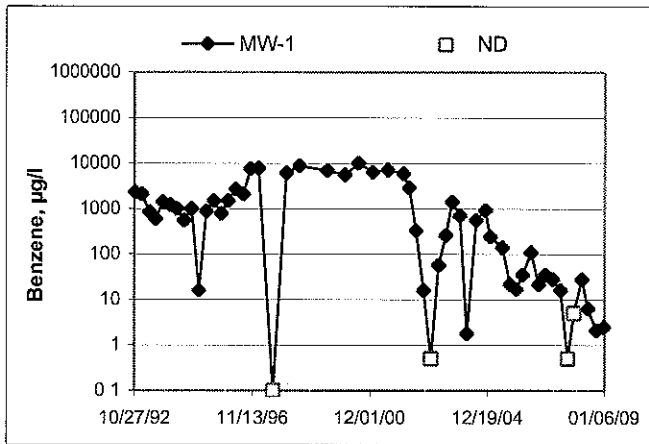
TPH-G Concentrations vs Time
76 Station 1871



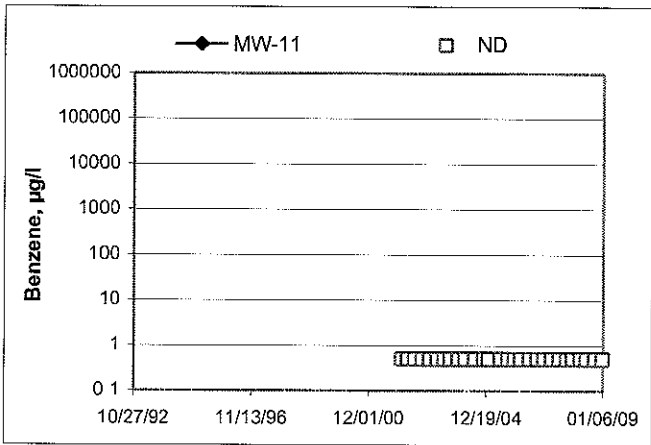
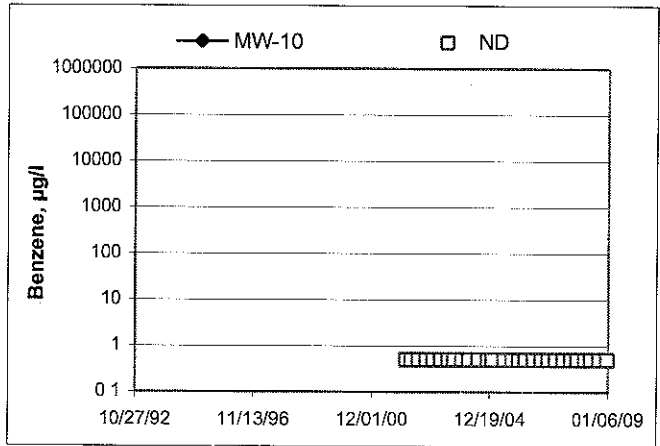
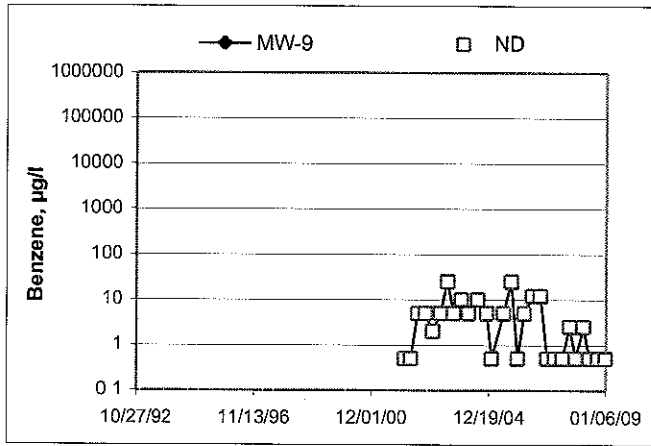
TPH-G Concentrations vs Time
76 Station 1871



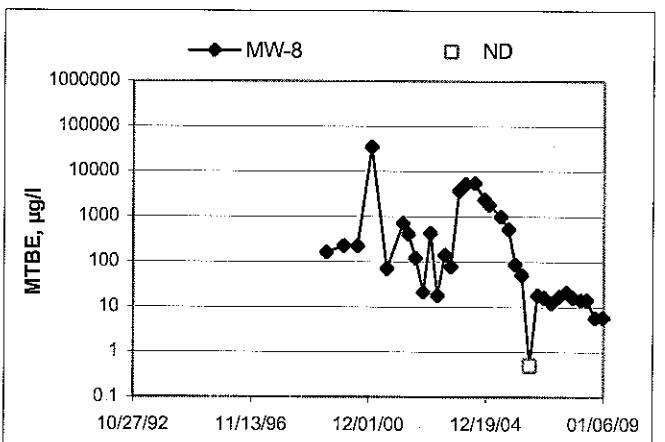
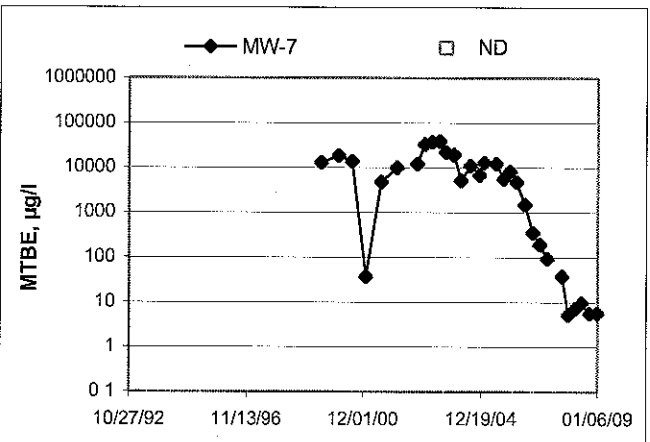
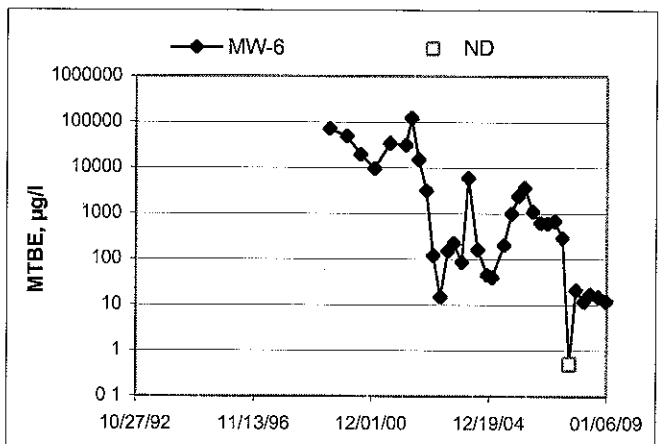
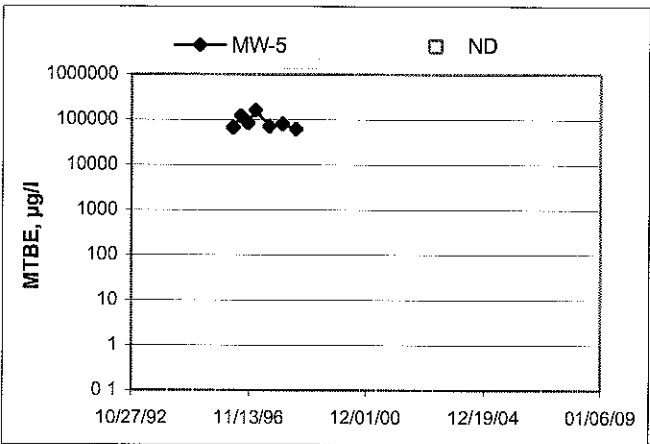
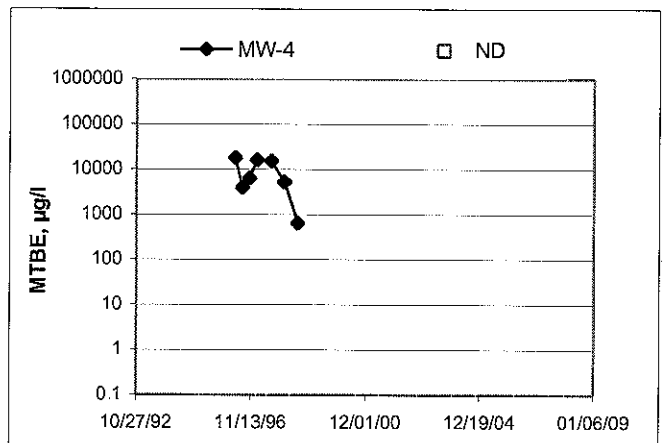
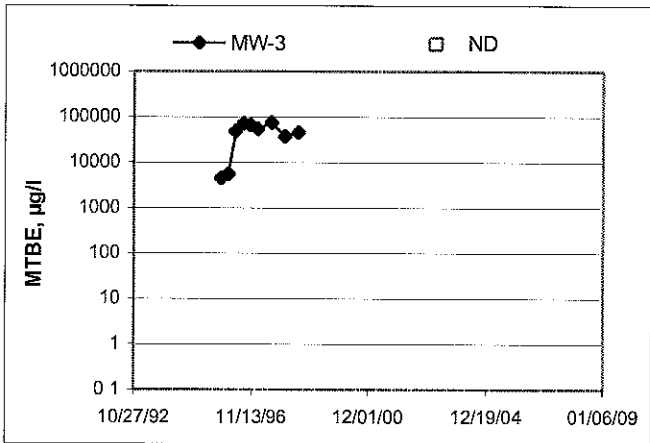
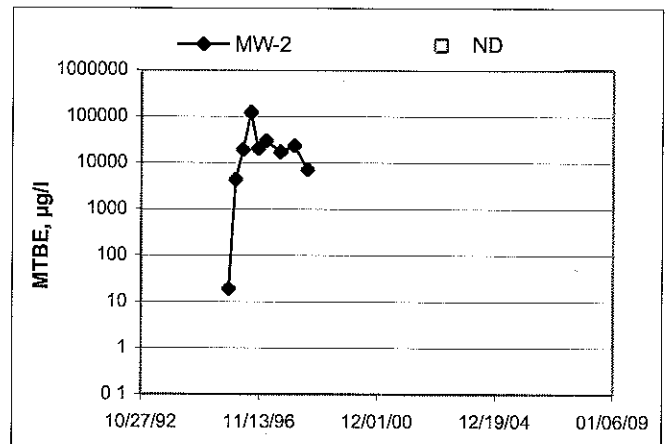
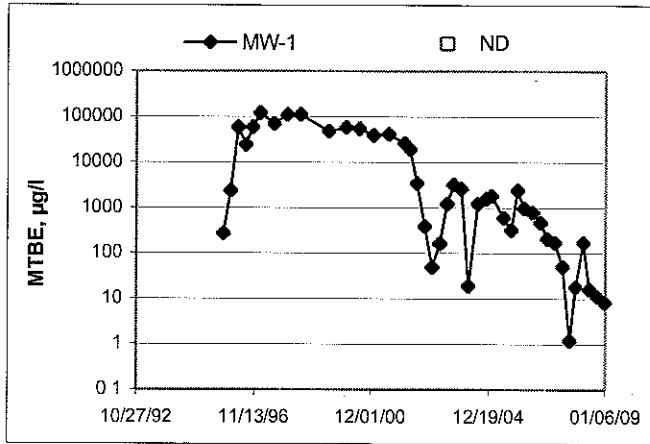
Benzene Concentrations vs Time 76 Station 1871



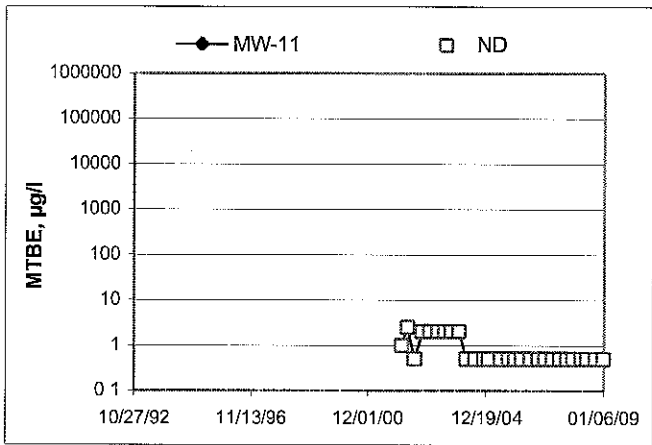
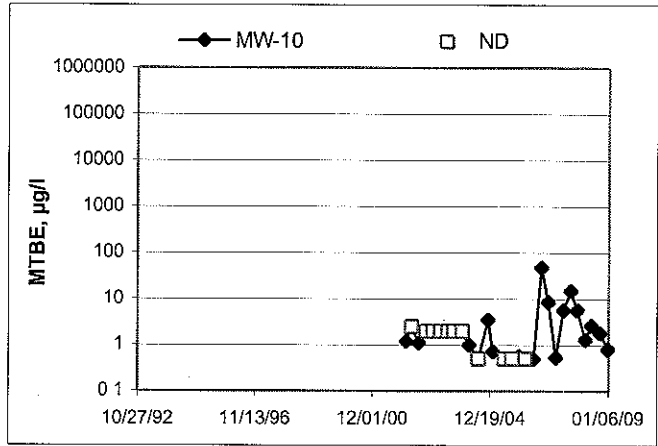
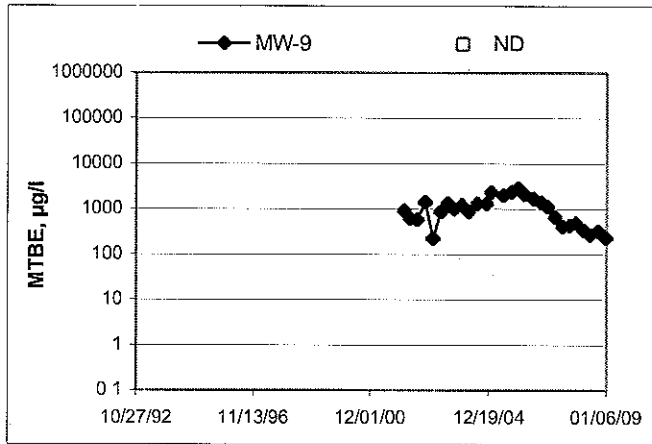
Benzene Concentrations vs Time
76 Station 1871



MTBE Concentrations vs Time
76 Station 1871



MTBE Concentrations vs Time 76 Station 1871



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

 Technician: JOE

 Job #/Task #: 154771/FA20

 Date: 12-30-08

 Site # 1871

 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-11	X	0550	30.04	15.82	—	—	1018	2"
MW-10	X	0555	19.98	6.73	—	—	1011	2"
MW-8	X	0608	24.30	9.72	—	—	1038	2"
MW-7	X	0613	24.32	8.99	—	—	1048	2"
MW-6	X	0617	24.20	8.96	—	—	1058	2"
MW-9	X	0628	19.90	16.16	—	—	1117	2"
MW-1	X	0638	24.03	14.16	—	—	1134	2" JL 4"

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



Field Mon Data Sheet.xls 3/27/2008

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871

Project No.: 154771

Date: 12-30-08

Well No. MW-11

Purge Method: DIA

Depth to Water (feet): 15.82

Depth to Product (feet):

Total Depth (feet): 30.04

LPH & Water Recovered (gallons):

Water Column (feet): 14.22

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 18.66

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
<u>0722</u>			<u>3</u>	<u>2694</u>	<u>14.0</u>	<u>6.90</u>	<u>2.67</u>	<u>195</u>	
			<u>6</u>	<u>2692</u>	<u>14.8</u>	<u>6.69</u>	<u>2.56</u>	<u>196</u>	
	<u>0726</u>		<u>9</u>	<u>2686</u>	<u>15.0</u>	<u>6.67</u>	<u>2.74</u>	<u>195</u>	
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		<u>20.06</u>		<u>9</u>		<u>1018</u>			
Comments: <u>DiD NOT Recharge IN 2 Hrs.</u>									

Well No. MW-10

Purge Method: DIA

Depth to Water (feet): 6.73

Depth to Product (feet):

Total Depth (feet): 19.98

LPH & Water Recovered (gallons):

Water Column (feet): 13.25

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 9.38

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
<u>0745</u>			<u>3</u>	<u>508.3</u>	<u>14.0</u>	<u>7.67</u>	<u>3.18</u>	<u>181</u>	
			<u>6</u>	<u>536.2</u>	<u>14.8</u>	<u>7.27</u>	<u>5.00</u>	<u>183</u>	
	<u>0747</u>		<u>9</u>	<u>535.5</u>	<u>15.0</u>	<u>7.35</u>	<u>5.89</u>	<u>184</u>	
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		<u>13.28</u>		<u>9</u>		<u>1011</u>			
Comments: <u>Dry AT 9 Gals. DiD NOT Recharge IN 2 HRS.</u>									

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871

Project No: 154771

Date: 12-30-08

Well No. MW-8

Purge Method: DIA

Depth to Water (feet): 9.72

Depth to Product (feet):

Total Depth (feet): 24.30

LPH & Water Recovered (gallons):

Water Column (feet): 14.58

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 12.63

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
<u>0809</u>			<u>3</u>	<u>323.5</u>	<u>15.6</u>	<u>7.15</u>	<u>2.19</u>	<u>11</u>	
			<u>6</u>	<u>357.6</u>	<u>17.4</u>	<u>6.84</u>	<u>1.50</u>	<u>4720</u>	
	<u>0811</u>		<u>9</u>	<u>368.6</u>	<u>17.5</u>	<u>6.67</u>	<u>1.78</u>	<u>14</u>	
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		<u>9.76</u>		<u>9</u>		<u>1038</u>			
Comments: <u>DRY AT 9 GALS.</u>									

Well No. MW-7

Purge Method: DIA

Depth to Water (feet): 8.99

Depth to Product (feet):

Total Depth (feet): 24.32

LPH & Water Recovered (gallons):

Water Column (feet): 15.33

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 12.05

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
<u>0827</u>			<u>3</u>	<u>542.2</u>	<u>16.2</u>	<u>6.92</u>	<u>1.81</u>	<u>-14</u>	
			<u>6</u>	<u>548.9</u>	<u>17.9</u>	<u>6.66</u>	<u>1.35</u>	<u>-21</u>	
	<u>0829</u>		<u>9</u>	<u>558.4</u>	<u>17.8</u>	<u>6.79</u>	<u>4.13</u>	<u>-19</u>	
					<u>17.6</u>				
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		<u>9.16</u>		<u>9</u>		<u>1048</u>			
Comments: <u>DRY AT 9 GALS.</u>									

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871

Project No.: 154771

Date: 12-30-08

Well No. MW-6

Purge Method: DIA

Depth to Water (feet): 8.96

Depth to Product (feet):

Total Depth (feet): 24.20

LPH & Water Recovered (gallons):

Water Column (feet): 15.24

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 12.00

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
<u>0845</u>			<u>3</u>	<u>731.4</u>	<u>16.2</u>	<u>6.81</u>	<u>1.62</u>	<u>14</u>	
			<u>6</u>	<u>730.0</u>	<u>17.3</u>	<u>6.54</u>	<u>1.78</u>	<u>15</u>	
	<u>0847</u>		<u>9</u>	<u>728.1</u>	<u>18.1</u>	<u>6.98</u>	<u>4.50</u>	<u>8</u>	
Static at Time Sampled			Total Gallons Purged		Sample Time				
<u>9.05</u>			<u>9</u>		<u>1058</u>				
Comments: <u>DRY AT 9 GALS.</u>									

Well No. MW-9

Purge Method: DIA

Depth to Water (feet): 16.16

Depth to Product (feet):

Total Depth (feet): 19.90

LPH & Water Recovered (gallons):

Water Column (feet): 3.74

Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 16.90

1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	D.O (mg/L)	ORP	Turbidity
<u>0908</u>			<u>1</u>	<u>559.0</u>	<u>14.2</u>	<u>7.18</u>	<u>5.43</u>	<u>52</u>	
			<u>2</u>	<u>548.8</u>	<u>15.0</u>	<u>7.17</u>	<u>5.28</u>	<u>38</u>	
	<u>0909</u>		<u>3</u>	<u>553.0</u>	<u>15.0</u>	<u>7.18</u>	<u>5.47</u>	<u>38</u>	
Static at Time Sampled			Total Gallons Purged		Sample Time				
<u>16.23</u>			<u>3</u>		<u>1117</u>				
Comments: <u>DRY AT 3 GALS</u>									

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 1871

Project No.: 154771

Date: 12-30-08

Well No. MW-1

Purge Method: DIA

Depth to Water (feet): 14.16

Depth to Product (feet): _____

Total Depth (feet): 24.03

LPH & Water Recovered (gallons): _____

Water Column (feet): 9.87

Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 16.13

1 Well Volume (gallons): 7

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
0928			7	373.9	17.5	6.73	0.91	0	
	0931		14	574.9	19.1	6.48	2.44	-2	
			21						
		Static at Time Sampled		Total Gallons Purged		Sample Time			
		<u>18.28</u>		<u>14</u>		<u>1134</u>			
Comments: <u>DRY AT 14 GALS. DID NOT RECHARGE IN 2 HRS.</u>									

Well No. _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth(feet): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
		Static at Time Sampled		Total Gallons Purged		Sample Time			
Comments: _____									



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Date of Report: 01/06/2009

Anju Farfan

TRC

21 Technology Drive
Irvine, CA 92618

RE: 1871
BC Work Order: 0817024
Invoice ID: B055379

Enclosed are the results of analyses for samples received by the laboratory on 12/30/2008. If you have any questions concerning this report, please feel free to contact me.

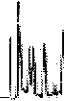
Sincerely,

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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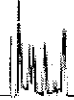
Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Delivery Work Order:	Global ID:	Location ID (FieldPoint):	Matrix:	Sample QC Type (SACode):	Cooler ID:
0817024-01	COC Number:	---		12/30/2008 20:30	12/30/2008 10:18	---	Water		T0600101493	MW-11	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-11											
	Sampled By:	Joe of TRCI											
0817024-02	COC Number:	---		12/30/2008 20:30	12/30/2008 10:11	---	Water		T0600101493	MW-10	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-10											
	Sampled By:	Joe of TRCI											
0817024-03	COC Number:	---		12/30/2008 20:30	12/30/2008 10:38	---	Water		T0600101493	MW-8	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-8											
	Sampled By:	Joe of TRCI											
0817024-04	COC Number:	---		12/30/2008 20:30	12/30/2008 10:48	---	Water		T0600101493	MW-7	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-7											
	Sampled By:	Joe of TRCI											

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Project: 1871
Project Number: 4509117982
Project Manager: Anju Fartan

Reported: 01/06/2009 9:27

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			Receive Date:	Sampling Date:	Sample Depth:	Sample Matrix:	Delivery Work Order:	Global ID:	Location ID (FieldPoint):	Matrix:	Sample QC Type (SACode):	Cooler ID:
0817024-05	COC Number:	---		12/30/2008 20:30	12/30/2008 10:58	---	Water		T0600101493	MW-6	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-6											
	Sampled By:	Joe of TRCI											
0817024-06	COC Number:	---		12/30/2008 20:30	12/30/2008 11:17	---	Water		T0600101493	MW-9	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-9											
	Sampled By:	Joe of TRCI											
0817024-07	COC Number:	---		12/30/2008 20:30	12/30/2008 11:34	---	Water		T0600101493	MW-1	W	CS	
	Project Number:	1871											
	Sampling Location:	---											
	Sampling Point:	MW-1											
	Sampled By:	Joe of TRCI											



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Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-01		Client Sample Name: 1871, MW-11, 12/30/2008 10:18:00AM, Joe											
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	12/30/08	12/31/08 23:18	SDU	MS-V10	i	BRL1944	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	i	BRL1944	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	i	BRL1944	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944		
Toluene-d8 (Surrogate)	97.8	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:18	SDU	MS-V10	1	BRL1944		

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Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-02		Client Sample Name: 1871, MW-10, 12/30/2008 10:11:00AM, Joe											
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	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
Methyl t-butyl ether	0.80	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	i	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	i	BRL1944	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	i	BRL1944		
Toluene-d8 (Surrogate)	97.6	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	i	BRL1944		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:36	SDU	MS-V10	1	BRL1944		

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Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-03		Client Sample Name: 1871, MW-8, 12/30/2008 10:38:00AM, Joe											
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	12/30/08	12/31/08 23:54	SDU	MS-V10	i	BRL1944	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	i	BRL1944	ND	
Methyl t-butyl ether	5.7	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	i	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	50	ug/L	50		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944	ND	
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944		
Toluene-d8 (Surrogate)	97.9	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	i	BRL1944		
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	12/31/08 23:54	SDU	MS-V10	1	BRL1944		

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TRC
21 Technology Drive
Irvine, CA 92618

Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-04		Client Sample Name: 1871, MW-7, 12/30/2008 10:48:00AM, Joe											
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	12/30/08	01/01/09 00:12	SDU	MS-V10	i	BRL1944	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	i	BRL1944	ND	
Methyl t-butyl ether	5.7	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	i	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944	ND	
Total Xylenes	1.1	ug/L	1.0		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	130	ug/L	50		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	i	BRL1944	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	i	BRL1944		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944		
4-Bromofluorobenzene (Surrogate)	97.7	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:12	SDU	MS-V10	1	BRL1944		

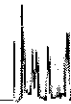
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21 Technology Drive
Irvine, CA 92618

Project: 1871
Project Number: 4509117982
Project Manager: Anju Fartan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-05		Client Sample Name: 1871, MW-6, 12/30/2008 10:58:00AM, Joe											
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	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Methyl t-butyl ether	12	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	55	ug/L	50		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	1	BRL1944	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	i	BRL1944		
Toluene-d8 (Surrogate)	99.7	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	i	BRL1944		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:30	SDU	MS-V10	i	BRL1944		

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Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-06		Client Sample Name: 1871, MW-9, 12/30/2008 11:17:00AM, Joe												
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	12/30/08	01/01/09 00:47	SDU	MS-V10	1	BRL1944	ND		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	i	BRL1944	ND		
Methyl t-butyl ether	230	ug/L	2.5		EPA-8260	12/30/08	01/02/09 20:18	SDU	MS-V10	5	BRL1944	ND	A01	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	i	BRL1944	ND		
Total Xylenes	ND	ug/L	1.0		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	i	BRL1944	ND		
t-Butyl alcohol	21	ug/L	10		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	i	BRL1944	ND		
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	i	BRL1944	ND		
Total Purgeable Petroleum Hydrocarbons	160	ug/L	50		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	1	BRL1944	ND	A90	
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	1	BRL1944			
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:18	SDU	MS-V10	5	BRL1944			
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	1	BRL1944			
Toluene-d8 (Surrogate)	97.7	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:18	SDU	MS-V10	5	BRL1944			
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 00:47	SDU	MS-V10	1	BRL1944			
4-Bromofluorobenzene (Surrogate)	96.8	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:18	SDU	MS-V10	5	BRL1944			

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Project: 1871
Project Number: 4509117982
Project Manager: Anju Fartan

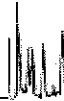
Reported: 01/06/2009 9:27

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0817024-07		Client Sample Name: 1871, MW-1, 12/30/2008 11:34:00AM, Joe											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	2.5	ug/L	0.50		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	i	BRL1944	ND	
Ethylbenzene	100	ug/L	0.50		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	i	BRL1944	ND	
Methyl t-butyl ether	8.3	ug/L	0.50		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	i	BRL1944	ND	
Toluene	ND	ug/L	0.50		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944	ND	
Total Xylenes	150	ug/L	1.0		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944	ND	
t-Butyl alcohol	400	ug/L	10		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944	ND	
Ethanol	ND	ug/L	250		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944	ND	
Total Purgeable Petroleum Hydrocarbons	3200	ug/L	250		EPA-8260	12/30/08	01/02/09 20:36	SDU	MS-V10	5	BRL1944	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	i	BRL1944		
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:36	SDU	MS-V10	5	BRL1944		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944		
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:36	SDU	MS-V10	5	BRL1944		
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/02/09 20:36	SDU	MS-V10	5	BRL1944		
4-Bromofluorobenzene (Surrogate)	93.6	%	86 - 115 (LCL - UCL)		EPA-8260	12/30/08	01/01/09 01:05	SDU	MS-V10	1	BRL1944		

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Irvine, CA 92618

Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

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	Percent Recovery Lab Quals
Benzene	BRL1944	Matrix Spike	0814857-44	0	25.420	25.000	ug/L		102		70 - 130
		Matrix Spike Duplicate	0814857-44	0	26.880	25.000	ug/L	5.7	108	20	70 - 130
Toluene	BRL1944	Matrix Spike	0814857-44	0	26.160	25.000	ug/L		105		70 - 130
		Matrix Spike Duplicate	0814857-44	0	26.440	25.000	ug/L	0.9	106	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BRL1944	Matrix Spike	0814857-44	ND	10.130	10.000	ug/L		101		76 - 114
		Matrix Spike Duplicate	0814857-44	ND	10.420	10.000	ug/L		104		76 - 114
Toluene-d8 (Surrogate)	BRL1944	Matrix Spike	0814857-44	ND	10.070	10.000	ug/L		101		88 - 110
		Matrix Spike Duplicate	0814857-44	ND	9.9500	10.000	ug/L		99.5		88 - 110
4-Bromofluorobenzene (Surrogate)	BRL1944	Matrix Spike	0814857-44	ND	10.090	10.000	ug/L		101		86 - 115
		Matrix Spike Duplicate	0814857-44	ND	9.9000	10.000	ug/L		99.0		86 - 115

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TRC
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Irvine, CA 92618

Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

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		Lab Quals
										Percent Recovery	RPD	
Benzene	BRL1944	BRL1944-BS1	LCS	26.210	25.000	0.50	ug/L	105		70 - 130		
Toluene	BRL1944	BRL1944-BS1	LCS	26.610	25.000	0.50	ug/L	106		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRL1944	BRL1944-BS1	LCS	10.170	10.000		ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BRL1944	BRL1944-BS1	LCS	9.9200	10.000		ug/L	99.2		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRL1944	BRL1944-BS1	LCS	10.040	10.000		ug/L	100		86 - 115		



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21 Technology Drive
Irvine, CA 92618

Project: 1871
Project Number: 4509117982
Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

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	BRL1944	BRL1944-BLK1	ND	ug/L	0.50		
Ethylbenzene	BRL1944	BRL1944-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BRL1944	BRL1944-BLK1	ND	ug/L	0.50		
Toluene	BRL1944	BRL1944-BLK1	ND	ug/L	0.50		
Total Xylenes	BRL1944	BRL1944-BLK1	ND	ug/L	1.0		
t-Butyl alcohol	BRL1944	BRL1944-BLK1	ND	ug/L	10		
Ethanol	BRL1944	BRL1944-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons	BRL1944	BRL1944-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BRL1944	BRL1944-BLK1	105	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BRL1944	BRL1944-BLK1	96.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BRL1944	BRL1944-BLK1	98.9	%	86 - 115 (LCL - UCL)		

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Irvine, CA 92618

Project: 1871
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Project Manager: Anju Farfan

Reported: 01/06/2009 9:27

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.

Submission #: 08-17024

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 Containers None Comments: _____
 Intact? Yes No Intact? Yes No

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

COC Received
 YES NO

Emissivity: 0.98 Container: VO9 Thermometer ID: T11103
 Temperature: A 2.9 °C / C 2.8 °C

Date/Time 2038
12-30-08
 Analyst Init JWL

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A13	A13	A13	A13	A13	A13	A13	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: Am Date/Time: 12-30-08
 A = Actual / C = Corrected

2130

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

Analysis Requested

08-17024

Bill to: Conoco Phillips/ TRC	Consultant Firm: TRC
Address: 96 MacArthur Blvd	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Oakland	4-digit site#: 1871 Workorder # 01120-4509117982
State: CA Zip:	Project #: 154771
Conoco Phillips Mgr: Terry Grayson	Sampler Name: JOE

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

BTEX/MTBE/TBA by 8260B
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

Lab#	Sample Description	Field Point Name	Date & Time Sampled		BTEX/MTBE/TBA by 8260B 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-11	12-30-08 1018	GW	X				X	X		STD
	-2	MW-10	1011									
	-3	MW-8	1038									
	-4	MW-7	1048									
	-5	MW-6	1058									
	-6	MW-9	1117									
	-7	MW-1	1134									

CHK BY: [Signature]
 DISTRIBUTION []
 SUB-OUT []

Comments: GLOBAL ID: T0600101493	Relinquished by: (Signature) [Signature]	Received by: [Signature]	Date & Time 12-30-08 1448
	Relinquished by: (Signature) [Signature]	Received by: [Signature]	Date & Time 12-30-08 1720
	Relinquished by: (Signature) [Signature]	Received by: [Signature]	Date & Time 12-30-08 2030

TO REORDER CALL PROFORMA SOLUTIONS FOR PRINTING • (661) 633-1117 781489

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.