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Gasolimbz

JUN 14 2001

TRANSMITTAL LETTER

TO: Amir Gholami DATE: 06/11/01
Alameda County Health Care Services Agency FROM: David Bero
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577 RE: Sears #1058, Oakland, CA
2nd Qtr. 2001 GW Report

ATTN: _____

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IT Corporation

4005 Port Chicago Highway
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Tel. 925.288.9898
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STID
1072

GAS-IMPACT
2600 TELEGRAPH

JUN 14 2001

June 4, 2001

Mr. Amir Gholami
Hazardous Materials Specialist
Alameda County, Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Gasoline Impacts, STID 1082
Second Quarter 2001, Groundwater Monitoring and Sampling Report and Request for Closure
Former Sears Auto Center No. 1058, 2600 Telegraph Avenue, Oakland, California
IT Corporation Project 823291

Dear Mr. Gholami:

On behalf of Sears, Roebuck and Co., IT Corporation presents the quarterly groundwater monitoring data collected from the above referenced site on April 26 and 27, 2001. The ten groundwater monitoring wells were gauged to determine depth to groundwater and to check for the presence of separate-phase petroleum hydrocarbons (SPPHs). Measurable thickness of SPPHs was not detected in any of the monitoring wells. A potentiometric surface map is provided in Figure 1 (Attachment 1). A summary of historical water table elevation data is provided in Table 1 (Attachment 2).

After measuring depth to water, the ten monitoring wells were purged and sampled. Field data sheets and groundwater monitoring and sample collection protocol are provided in Attachment 3. The groundwater samples were analyzed for dissolved total petroleum hydrocarbons as gasoline (TPH-g), methyl tert-butyl ether (MTBE), and benzene, toluene, ethylbenzene, and xylenes using Environmental Protection Agency (EPA) Method 8260 and GC/MS Combination, and for total extractable petroleum hydrocarbons as motor oil (TPH-mo) using CG/MS Combination.

Static groundwater levels for the second quarter 2001 ranged from 13.51 to 16.81 feet above mean sea level (approximately 10 to 12 feet below top of casing). Groundwater elevations have decreased by approximately 0.5 foot since fourth quarter 2000 (November 7, 2000). The apparent groundwater flow is to the south at an average hydraulic gradient of 0.02 foot per foot, which is consistent with previous quarterly data.

Benzene was not detected in the groundwater samples. Low concentrations of MTBE were detected by EPA 8260 analysis in seven monitoring wells, with the highest concentration of 2.8 micrograms per liter reported in well MW-4. Monitoring wells MW-1, MW-3, MW-9, and EW-1 contained dissolved TPH-g, and wells MW-1, MW-2, MW-3, and EW-1 contained dissolved TPH-mo. A summary of the groundwater analytical results is provided in Table 2. A distribution map of dissolved benzene, TPH-g, TPH-mo, and MTBE concentrations is provided in Figure 2.


Groundwater elevation and analyte concentration versus time data are illustrated in Graphs 1 through 10 (Attachment 4). Hydrocarbon concentrations below detection limits are not shown on the graphs. Laboratory reports and chain-of-custody documents are provided in Attachment 5.

Historical monitoring data indicate that 1) the thickness of SPPH in MW-3 has averaged less than 0.05 foot, and 2) the lateral extent of the product was limited to the vicinity of MW-3. Therefore, the volume of SPPH prior to the recent remediation effort at the site was estimated to be small, less than 5 gallons. In a more aggressive attempt to remove the remaining SPPH from the vicinity of MW-3, water and an unmeasured small volume of SPPH were purged from MW-3 for at least thirty minutes on four separate occasions during February 4, 2000 through February 23, 2000, using vacuum extraction techniques. Prior to purging, depth to groundwater was measured. After purging, depth to water and depth to product were measured. Prior to demobilization, a Soak-eze "sock" was placed in the well. After the last two vacuum extraction events, and during two subsequent quarterly monitoring and sampling events, no SPPH was found in monitoring well MW-3. A measurable thickness of SPPH (0.19 foot) in MW-3 was found during the third quarter of 2000 and appeared to coincide with seasonal decline of the groundwater level. The SPPH in MW-3 has decreased to below measurable thickness during the last three quarters.

The IT *Interim Remedial Action Progress Report* stated that if no measurable thickness of SPPH was found in MW-3 in two subsequent quarterly monitoring and sampling events, low-risk classification and closure/no further action status would be requested for the site. A measurable thickness of SPPH was not found in MW-3 during the last three quarterly sampling events. The last time a measurable thickness of SPPH was found in MW-3 was during the third quarter 2000 sampling event. Therefore, a low-risk classification and closure/no further action status is requested for this site.


If you have any comments or questions, please contact David Bero at (925) 288-2024.

Sincerely,
IT CORPORATION
Submitted by:



David A. Bero, P.G., R.G.
West Zone Project Manager

IT CORPORATION
Approved by:



Ed K. Simonis, R.G.
Senior Geologist



Attachments:

1. Figures
2. Tables
3. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheets
4. Graphs
5. Laboratory Reports and Chain-of-Custody Documents

c: Scott M. DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co.
Mr. Russ Zora, IT Corporation, Central Files
Project File

DRAWING NUMBER 823291-A4

APPROVED BY

CHECKED BY

DRAWN BY RB 05/24/01

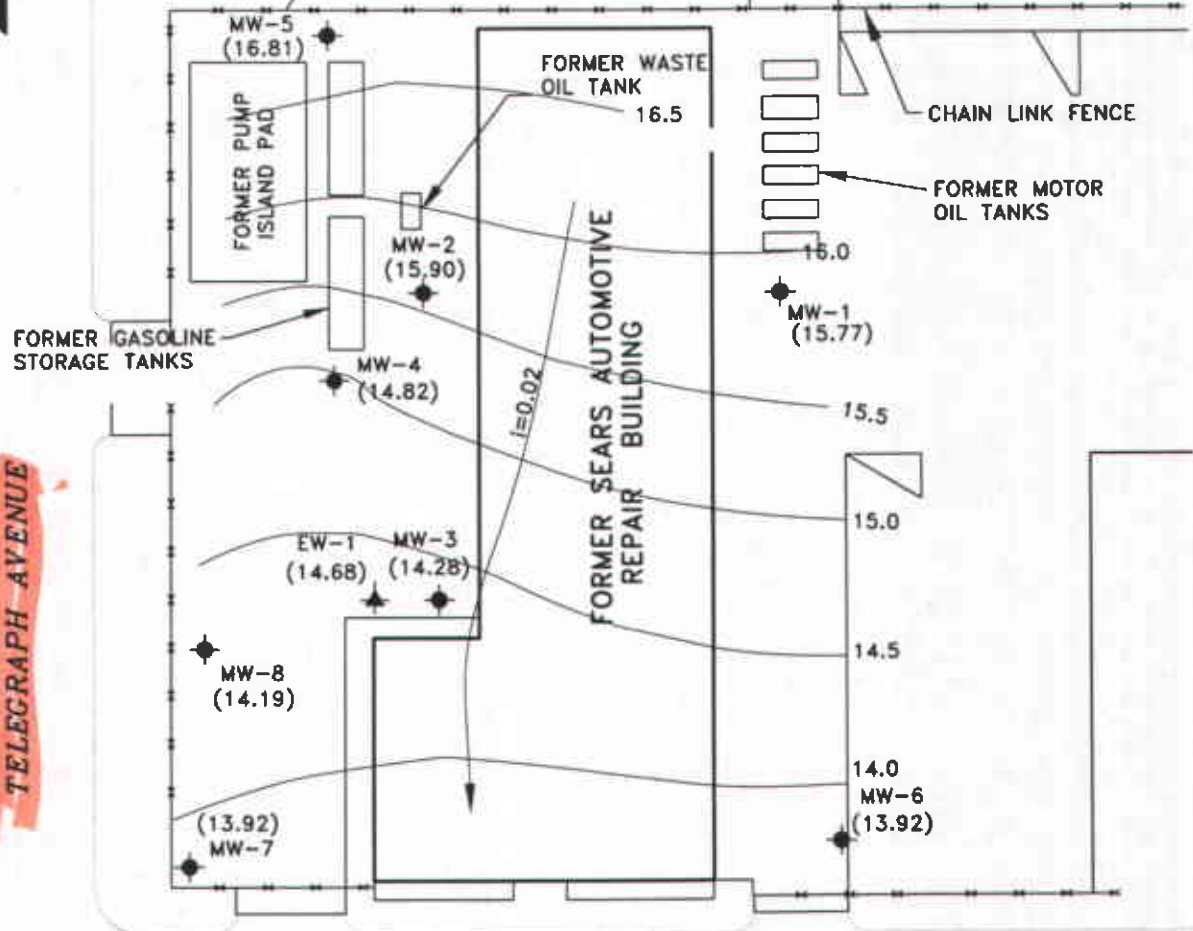
OFFICE Concord

X-REF



S Gains (handwritten red text with arrow pointing to 27th Street)

27th STREET



TELEGRAPH AVENUE

26th STREET



LEGEND

- MONITORING WELL
- EXTRACTION WELL
- POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 FOOT
- ESTIMATED GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT



SEARS, ROEBUCK AND CO.
SITE NO. 1058
2600 TELEGRAPH AVE.,
OAKLAND, CA

FIGURE 1

POTENTIOMETRIC SURFACE MAP
(GUAGED 04/06/01)

DRAWING NUMBER 823291-A3

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DATE 05/24/01

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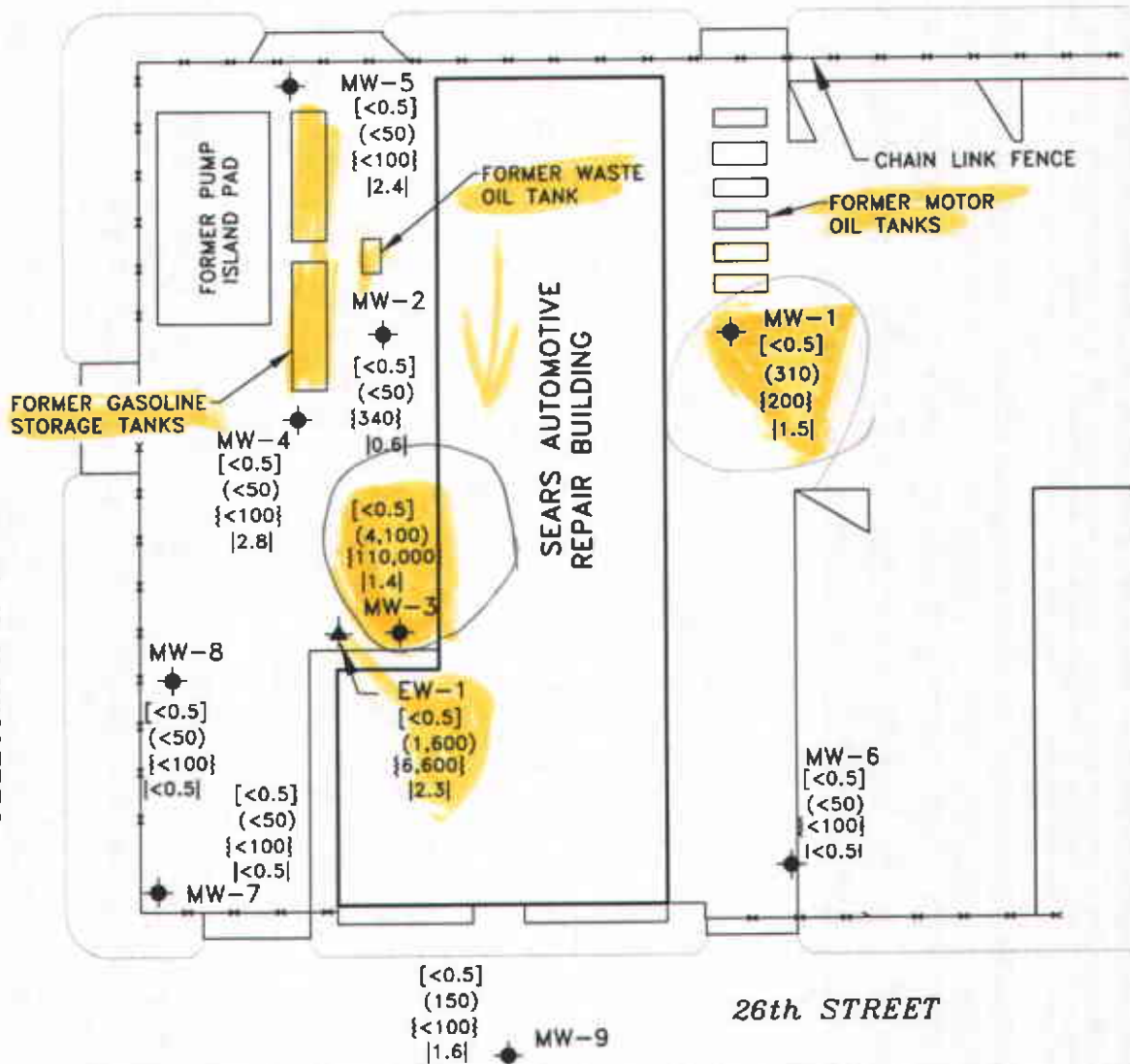
X-REF

IMAGE



27th STREET

TELEGRAPH AVENUE



26th STREET



LEGEND

- ◆ MONITORING WELL
- ◆ EXTRACTION WELL
- [] BENZENE CONCENTRATIONS [ug/l]
- () TPH-AS-GASOLINE (ug/l)
- { } TPH-AS-MOTOR OIL {ug/l}
- | | METHYL TERT-BUTYL ETHER (MTBE) |ug/L
- * DUPLICATE



SEARS, ROEBUCK AND CO.
SITE NO. 105B
2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

FIGURE 2
CONCENTRATIONS OF BENZENE,
TPH AS GASOLINE, TPH AS MOTOR OIL
AND MTBE IN GROUND WATER SAMPLED
04/26/00

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-1	26.20	12/30/1992	10.60	-	-	15.60
		02/26/1993	10.14	-	-	16.06
		03/24/1993	10.48	-	-	15.72
		04/27/1993	11.30	-	-	14.90
		05/28/1993	11.43	-	-	14.77
		06/21/1993	11.71	-	-	14.49
		07/22/1993	11.87	-	-	14.33
		08/13/1993	11.94	-	-	14.26
		09/16/1993	12.05	-	-	14.15
		10/22/1993	12.00	-	-	14.20
		11/03/1993	12.10	-	-	14.10
		11/24/1993	11.97	-	-	14.23
		12/01/1993	11.46	-	-	14.74
		12/27/1993	11.58	-	-	14.62
		01/05/1994	11.69	-	-	NM
		02/08/1994	11.87	-	-	14.33
		03/09/1994	11.08	-	-	15.12
		04/01/1994	11.47	-	-	14.73
		05/10/1994	10.77	-	-	15.43
		06/30/1994	11.82	-	-	14.38
		07/28/1994	11.90	-	-	14.30
		08/31/1994	11.94	-	-	14.26
		09/27/1994	12.04	-	-	14.16
		10/28/1994	12.06	-	-	14.14
		11/15/1994	10.02	-	-	16.18
		12/01/1994	10.61	-	-	15.58
		01/04/1995	9.93	-	-	16.27
		02/01/1995	9.56	-	-	16.64
		03/08/1995	10.51	-	-	15.69
		04/03/1995	NM	NM	NA	NA
		05/18/1995	10.80	-	-	15.40
		06/08/1995	11.18	-	-	15.02
		07/13/1995	11.27	-	-	14.93
		08/03/1995	11.48	-	-	14.72
		08/29/1995	11.56	-	-	14.64
		09/15/1995	11.71	-	-	14.49
		10/20/1995	11.80	-	-	14.40
		11/15/1995	11.61	-	-	14.59
		01/15/1996	11.21	-	-	14.99
		03/05/1996	9.35	-	-	16.85
		04/19/1996	10.60	-	-	15.60
		05/10/1996	11.18	-	-	15.02
		06/03/1996	10.90	-	-	15.30
		09/04/1996	11.31	-	-	14.89
		12/02/1996	10.61	-	-	15.59
		02/28/1997	10.31	-	-	15.89
		06/09/1997	11.25	-	-	14.95
		08/25/1997	11.15	-	-	15.05
		11/28/1997	10.07	-	-	16.13
		02/12/1998	8.70	-	-	17.50
05/20/1998	10.89	-	-	15.31		
08/11/1998	11.60	-	-	14.60		
11/10/1998	11.10	-	-	15.10		
02/11/1999	9.40	-	-	16.80		
05/11/1999	11.05	-	-	15.15		
08/10/1999	11.66	-	-	14.54		
10/26/1999	12.90	-	-	13.30		
02/25/2000	9.80	-	-	16.40		
05/03/2000	10.90	-	-	15.30		
08/02/2000	11.40	-	-	14.80		
11/07/2000	10.83	-	-	15.37		
02/15/2001	9.40	-	-	16.80		
04/26/2001	10.43	-	-	15.77		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-2	26.50	12/30/1992	10.65			15.85
		02/26/1993	10.56			15.94
		03/24/1993	10.52			15.98
		04/27/1993	11.17	--	--	15.33
		05/28/1993	11.12	--	--	15.38
		06/21/1993	11.41	--	--	15.09
		07/22/1993	11.50	--	--	15.00
		08/13/1993	11.54	--	--	14.96
		09/16/1993	11.62	--	--	14.88
		10/22/1993	11.57	--	--	14.93
		11/03/1993	11.65	--	--	14.85
		11/24/1993	11.52	--	--	14.98
		12/01/1993	11.08	--	--	15.42
		12/27/1993	11.27	--	--	15.23
		01/05/1994	11.39	--	--	15.11
		02/08/1994	11.49	--	--	15.01
		03/09/1994	11.06	--	--	15.44
		04/01/1994	11.25	--	--	15.25
		05/10/1994	10.83	--	--	15.67
		06/30/1994	11.44	--	--	15.06
		07/28/1994	11.48	--	--	15.02
		08/31/1994	11.56	--	--	14.94
		09/27/1994	11.61	--	--	14.89
		10/28/1994	11.65	--	--	14.85
		11/15/1994	9.65	--	--	16.85
		12/01/1994	10.71	--	--	15.79
		01/04/1995	10.11	--	--	16.38
		02/01/1995	10.38	--	--	16.12
		03/08/1995	10.80	--	--	15.70
		04/03/1995	10.61	--	--	15.88
		05/18/1995	10.95	--	--	15.55
		06/09/1995	11.13	--	--	15.37
		07/13/1995	11.15	--	--	15.35
		08/03/1995	11.26	--	--	15.24
		08/29/1995	11.32	--	--	15.18
		09/15/1995	11.42	--	--	15.08
		10/20/1995	11.42	--	--	15.08
		11/15/1995	11.37	--	--	15.13
		01/15/1996	11.10	--	--	15.40
		03/05/1996	10.24	--	--	16.26
		04/19/1996	10.84	--	--	15.66
		05/10/1996	11.13	--	--	15.37
		06/03/1996	10.94	--	--	15.56
		09/04/1996	11.24	--	--	15.26
		12/02/1996	10.80	--	--	15.70
		02/26/1997	10.70	--	--	15.80
		06/09/1997	11.10	--	--	15.40
		08/25/1997	11.05	--	--	15.45
		11/28/1997	10.59	--	--	15.91
		02/12/1998	10.04	--	--	16.46
05/20/1998	10.84	--	--	15.66		
08/11/1998	11.56	--	--	14.94		
11/10/1998	11.02	--	--	15.48		
02/11/1999	10.17	--	--	16.33		
05/11/1999	10.96	--	--	15.54		
08/10/1999	11.27	--	--	15.23		
10/26/1999	12.03	--	--	14.47		
02/25/2000	9.95	--	--	16.55		
05/03/2000	10.78	--	--	15.72		
08/02/2000	11.02	--	--	15.48		
11/07/2000	10.74	--	--	15.76		
02/15/2001	10.16	--	--	16.34		
04/27/2001**	10.60	--	--	15.90		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1056
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-3	26.34	12/30/1992	12.43	-	-	13.91
		02/26/1993	12.21	-	-	14.13
		03/24/1993	12.36	-	-	13.98
		04/27/1993	12.70	-	-	13.64
		05/28/1993	12.72	-	-	13.62
		06/21/1993	12.87	-	-	13.47
		07/22/1993	12.92	-	-	13.42
		08/13/1993	12.96	-	-	13.38
		09/16/1993	13.01	12.97	0.04	13.33
		10/22/1993	NM	12.96	NA	NA
		11/03/1993	13.13	13.02	0.11	13.21
		11/24/1993	12.94	12.92	0.02	13.40
		12/01/1993	12.71	12.69	0.02	13.63
		12/27/1993	12.77	12.73	0.04	13.57
		01/05/1994	12.85	12.83	0.02	13.49
		02/08/1994	12.37	-	-	13.97
		03/09/1994	12.53	-	-	13.81
		04/01/1994	12.84	-	-	13.70
		05/10/1994	12.32	-	-	14.02
		06/30/1994	12.84	12.82	0.02	13.50
		07/28/1994	12.93	12.89	0.04	13.41
		08/31/1994	13.04	13.01	0.03	13.30
		09/27/1994	13.13	13.02	0.11	13.21
		10/28/1994	13.30	13.08	0.22	13.04
		11/15/1994	11.05	11.02	0.03	15.29
		12/01/1994	11.90	11.88	0.02	14.44
		01/04/1995	11.80	11.76	0.01	14.54
		02/01/1995	12.00	11.98	0.02	14.34
		03/08/1995	12.35	12.30	0.05	13.99
		04/03/1995	12.09	12.05	0.04	14.25
		05/18/1995	12.43	12.40	0.03	13.91
		06/09/1995	12.60	12.58	0.02	13.74
		07/13/1995	12.55	12.46	0.09	13.79
		08/03/1995	12.64	12.61	0.03	13.70
		08/29/1995	12.65	12.62	0.03	13.69
		09/15/1995	13.00	12.86	0.14	13.34
		10/20/1995	12.86	12.03	0.03	13.48
		11/15/1995	12.81	12.74	0.07	13.53
		01/15/1996	12.60	12.47	0.13	13.74
		03/05/1996	11.68	11.64	0.04	14.66
		04/19/1996	12.36	12.34	0.02	13.98
		05/10/1996	11.93	11.91	0.02	14.41
		06/03/1996	12.93	12.50	0.43	13.41
		09/04/1996	12.60	12.55	0.05	13.74
		12/02/1996	12.11	12.00	0.03	14.23
		02/26/1997	12.03	12.02	0.01	14.31
		06/09/1997	12.39	12.35	0.04	13.95
		08/25/1997	12.28	12.25	0.03	14.06
		11/28/1997	12.13	12.10	0.03	14.21
		02/12/1998	11.85	11.82	0.03	14.49
		05/20/1998	12.51	12.48	0.03	13.83
		08/11/1998	12.97	12.79	0.18	13.37
		11/10/1998	12.54	12.51	0.03	13.80
		02/11/1999	11.75	11.73	0.02	14.59
		05/11/1999	12.52	-	-	13.62
		08/10/1999	13.50	13.36	0.14	12.84
		10/26/1999	13.01	12.98	0.03	13.33
		02/25/2000	11.41	-	odor	14.93
		05/03/2000	12.30	-	-	14.04
		08/02/2000	12.61	12.42	0.19	13.88
		11/07/2000	12.18	-	-	14.16
		02/15/2001	11.81	-	-	14.73
		04/26/2001	12.06	-	Sheen	14.28

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-4	26.17	12/30/1992	11.53	-	Sheen	14.64
		02/26/1993	11.35	-	-	14.82
		03/24/1993	11.46	-	-	14.71
		04/27/1993	11.74	-	-	14.43
		05/28/1993	11.77	-	-	14.40
		06/21/1993	11.92	-	-	14.25
		07/22/1993	11.95	-	-	14.22
		08/13/1993	12.01	-	-	14.16
		09/16/1993	12.08	-	-	14.09
		10/22/1993	12.03	-	-	14.14
		11/03/1993	12.10	-	-	14.07
		11/24/1993	12.02	-	-	14.15
		12/01/1993	11.78	-	-	14.39
		12/27/1993	11.80	-	-	14.37
		01/05/1994	11.91	-	-	14.26
		02/08/1994	11.85	-	-	14.32
		03/09/1994	11.61	-	-	14.56
		04/01/1994	11.73	-	-	14.44
		05/10/1994	11.49	-	-	14.68
		06/30/1994	11.90	-	-	14.27
		07/28/1994	11.97	-	-	14.20
		08/31/1994	12.06	-	-	14.11
		09/27/1994	12.11	-	-	14.06
		10/28/1994	12.18	-	-	13.99
		11/15/1994	10.72	-	-	15.45
		12/01/1994	11.37	-	-	14.80
		01/04/1995	11.20	-	-	14.97
		02/01/1995	11.16	-	-	15.01
		03/08/1995	11.49	-	-	14.68
		04/03/1995	11.35	-	-	14.82
		05/18/1995	11.56	-	-	14.61
		06/09/1995	11.72	-	-	14.45
		07/13/1995	11.72	-	-	14.45
		08/03/1995	11.81	-	-	14.36
		08/29/1995	11.88	-	-	14.29
		09/15/1995	11.99	-	-	14.18
		10/20/1995	12.00	-	-	14.17
		11/15/1995	11.96	-	-	14.21
		01/15/1996	11.71	-	-	14.46
		03/05/1996	11.02	-	-	15.15
		04/19/1996	11.51	-	-	14.66
		05/10/1996	11.74	-	-	14.43
		06/03/1996	11.60	-	-	14.57
		09/04/1996	11.85	-	-	14.32
		12/02/1996	11.45	-	-	14.72
		02/26/1997	11.42	-	-	14.75
		06/09/1997	11.70	-	-	14.47
		08/25/1997	11.63	-	-	14.54
		11/28/1997	11.27	-	-	14.90
		02/12/1998	11.00	-	-	15.17
05/20/1998	11.62	-	-	14.55		
08/11/1998	11.90	-	-	14.27		
11/10/1998	11.65	-	-	14.52		
02/11/1999	10.87	-	-	15.30		
05/11/1999	11.66	-	-	14.51		
08/10/1999	11.95	-	-	14.22		
10/26/1999	11.40	-	-	14.77		
02/25/2000	10.75	-	-	15.42		
05/03/2000	11.55	-	-	14.62		
08/02/2000	11.70	-	-	14.47		
11/07/2000	11.45	-	-	14.72		
02/15/2001	10.98	-	-	15.19		
04/26/2001	11.35	-	-	14.82		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-5	28.98	12/30/1992	10.50	-	-	16.48
		02/26/1993	10.12	-	-	16.86
		03/24/1993	10.31	-	-	16.67
		04/27/1993	10.75	-	-	16.23
		05/28/1993	10.80	-	-	16.18
		06/21/1993	10.94	-	-	16.04
		07/22/1993	11.01	-	-	15.97
		08/13/1993	11.07	-	-	15.91
		09/16/1993	11.18	-	-	15.80
		10/22/1993	11.19	-	-	15.79
		11/03/1993	11.23	-	-	15.75
		11/24/1993	12.00	-	-	14.98
		12/01/1993	10.84	-	-	16.14
		12/27/1993	10.81	-	-	16.17
		01/05/1994	10.96	-	-	16.02
		02/08/1994	10.94	-	-	16.04
		03/09/1994	10.54	-	-	16.44
		04/01/1994	10.77	-	-	16.21
		05/10/1994	10.44	-	-	16.54
		06/30/1994	10.88	-	-	16.10
		07/28/1994	10.98	-	-	16.00
		08/31/1994	11.07	-	-	15.91
		09/27/1994	11.12	-	-	15.86
		10/28/1994	11.21	-	-	15.77
		11/15/1994	10.05	-	-	16.93
		12/01/1994	10.39	-	-	16.59
		01/04/1995	10.18	-	-	16.80
		02/01/1995	9.93	-	-	17.05
		03/08/1995	10.35	-	-	16.63
		04/03/1995	10.15	-	-	16.83
		05/18/1995	10.43	-	-	16.55
		06/06/1995	10.62	-	-	16.36
		07/13/1995	10.76	-	-	16.22
		08/03/1995	10.82	-	-	16.16
		08/29/1995	10.91	-	-	16.07
		09/15/1995	11.00	-	-	15.98
		10/20/1995	11.02	-	-	15.96
		11/15/1995	11.95	-	-	15.03
		01/15/1996	10.57	-	-	16.41
		03/05/1996	9.81	-	-	17.17
		04/19/1996	10.32	-	-	16.66
		05/10/1996	10.56	-	-	16.42
		06/03/1996	10.46	-	-	16.52
		09/04/1996	10.86	-	-	16.12
		12/02/1996	10.45	-	-	16.53
		02/26/1997	10.38	-	-	16.60
06/09/1997	10.78	-	-	16.20		
08/25/1997	10.69	-	-	16.29		
11/28/1997	10.15	-	-	16.83		
02/12/1998	9.55	-	-	17.43		
05/20/1998	10.29	-	-	16.69		
08/11/1998	10.67	-	-	16.31		
11/10/1998	10.59	-	-	16.39		
02/11/1999	9.75	-	-	17.23		
05/11/1999	10.38	-	-	16.60		
08/10/1999	10.77	-	-	16.21		
10/26/1999	10.95	-	-	16.03		
02/25/2000	9.50	-	-	17.48		
05/03/2000	10.40	-	-	16.58		
08/02/2000	10.70	-	-	16.28		
11/07/2000	10.38	-	-	16.60		
02/15/2001	9.77	-	-	17.21		
04/26/2001	10.17	-	-	16.81		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-6	24.32	12/27/1993	11.24	-	-	13.08
		01/05/1994	11.39	-	-	12.93
		02/08/1994	11.15	-	-	13.17
		03/09/1994	10.97	-	-	13.35
		04/01/1994	11.25	-	-	13.07
		05/10/1994	10.78	-	-	13.54
		06/30/1994	11.49	-	-	12.83
		07/28/1994	11.59	-	-	12.73
		08/31/1994	11.56	-	-	12.76
		09/27/1994	11.65	-	-	12.67
		10/28/1994	11.59	-	-	12.73
		11/15/1994	10.24	-	-	14.08
		12/01/1994	10.30	-	-	14.02
		01/04/1995	9.81	-	-	14.51
		02/01/1995	10.01	-	-	14.31
		03/08/1995	10.64	-	-	13.68
		04/03/1995	10.26	-	-	14.06
		05/18/1995	10.81	-	-	13.51
		06/09/1995	11.07	-	-	13.25
		07/13/1995	10.91	-	-	13.41
		08/03/1995	11.15	-	-	13.17
		08/29/1995	11.09	-	-	13.23
		09/15/1995	11.35	-	-	12.97
		10/20/1995	11.32	-	-	13.00
		11/15/1995	11.20	-	-	13.12
		01/15/1996	10.83	-	-	13.49
		03/05/1996	9.60	-	-	14.72
		04/19/1996	10.71	-	-	13.61
		05/10/1996	11.05	-	-	13.27
		06/03/1996	10.91	-	-	13.41
		09/04/1996	10.84	-	-	13.48
		12/02/1996	10.46	-	-	13.86
		02/26/1997	10.46	-	-	13.86
		06/09/1997	10.90	-	-	13.42
		08/25/1997	10.84	-	-	13.48
		11/28/1997	10.07	-	-	14.25
		02/12/1998	9.39	-	-	14.93
		05/20/1998	10.85	-	-	13.47
		08/11/1998	11.21	-	-	13.11
		11/10/1998	10.82	-	-	13.50
02/11/1999	9.39	-	-	14.93		
05/11/1999	10.84	-	-	13.48		
08/10/1999	11.28	-	-	13.04		
10/26/1999	11.43	-	-	12.89		
02/25/2000	9.27	-	-	15.05		
05/03/2000	10.78	-	-	13.54		
08/02/2000	10.92	-	-	13.40		
11/07/2000	10.55	-	-	13.77		
02/15/2001	9.66	-	-	14.66		
04/26/2001	10.40	-	-	13.92		
MW-7	24.88	12/27/1993	11.80	-	-	13.08
		01/05/1994	11.53	-	-	13.35
		02/08/1994	11.90	-	-	12.98
		03/09/1994	11.23	-	-	13.65
		04/01/1994	11.34	-	-	13.54
		05/10/1994	11.02	-	-	13.86
		06/30/1994	11.49	-	-	13.39
		07/28/1994	11.58	-	-	13.30
		08/31/1994	11.69	-	-	13.19
		09/27/1994	11.73	-	-	13.15
		10/28/1994	11.77	-	-	13.11
		11/15/1994	10.29	-	-	14.59
		12/01/1994	10.89	-	-	13.99
		01/04/1995	10.77	-	-	14.11
		02/01/1995	10.70	-	-	14.18
		03/08/1995	11.05	-	-	13.83
		04/03/1995	10.88	-	-	14.00
05/18/1995	11.12	-	-	13.76		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-7 continued		06/09/1995	11.25	--	--	13.63
		07/13/1995	11.15	--	--	13.73
		08/03/1995	11.32	--	--	13.56
		08/29/1995	11.53	--	--	13.35
		09/15/1995	11.65	--	--	13.23
		10/20/1995	11.64	--	--	13.24
		11/15/1995	11.60	--	--	13.28
		01/15/1996	11.07	--	--	13.81
		03/05/1996	10.50	--	--	14.38
		04/19/1996	12.02	--	--	12.86
		05/10/1996	11.14	--	--	13.74
		06/03/1996	11.10	--	--	13.78
		09/04/1996	11.45	--	--	13.43
		12/02/1996	10.96	--	--	13.92
		02/26/1997	11.02	--	--	13.86
		06/09/1997	11.34	--	--	13.54
		08/25/1997	11.25	--	--	13.63
		11/28/1997	10.69	--	--	14.19
		02/12/1998	10.11	--	--	14.77
		05/20/1998	11.20	--	--	13.68
		08/11/1998	11.55	--	--	13.33
		11/10/1998	11.21	--	--	13.67
		02/11/1999	10.27	--	--	14.61
		05/11/1999	11.25	--	--	13.63
		08/10/1999	11.65	--	--	13.23
		10/26/1999	11.76	--	--	13.12
		02/25/2000	10.40	--	--	14.48
		05/03/2000	11.16	--	--	13.72
		08/02/2000	11.25	--	--	13.63
		11/07/2000	11.03	--	--	13.85
02/15/2001	10.56	--	--	14.32		
04/26/2001	10.95	--	--	13.93		
MW-8	26.12	12/27/1993	12.45	--	--	13.87
		01/05/1994	12.57	--	--	13.55
		02/08/1994	12.02	--	--	14.10
		03/09/1994	12.22	--	--	13.90
		04/01/1994	12.33	--	--	13.79
		05/10/1994	12.00	--	--	14.12
		06/30/1994	12.52	--	--	13.60
		07/28/1994	12.61	--	--	13.51
		08/31/1994	12.72	--	--	13.40
		09/27/1994	12.80	--	--	13.32
		10/28/1994	12.84	--	--	13.28
		11/15/1994	11.72	--	--	14.40
		12/01/1994	11.87	--	--	14.25
		01/04/1995	11.75	--	--	14.37
		02/01/1995	11.64	--	--	14.48
		03/08/1995	12.04	--	--	14.08
		04/03/1995	11.86	--	--	14.26
		05/18/1995	12.11	--	--	14.01
		06/09/1995	12.34	--	--	13.78
		07/13/1995	12.37	--	--	13.75
		08/03/1995	12.50	--	--	13.62
		08/29/1995	12.55	--	--	13.57
		09/15/1995	12.70	--	--	13.42
		10/20/1995	12.69	--	--	13.43
		11/15/1995	12.67	--	--	13.45
		12/11/1995	11.80	--	--	14.32
		01/15/1996	12.38	--	--	13.74
		03/05/1996	11.44	--	--	14.68
		04/19/1996	10.80	--	--	15.32
		05/10/1996	12.40	--	--	13.72
06/03/1996	12.26	--	--	13.86		
09/04/1996	12.51	--	--	13.61		
12/02/1996	11.99	--	--	14.13		
02/26/1997	11.98	--	--	14.14		
06/09/1997	12.36	--	--	13.76		
08/25/1997	12.25	--	--	13.87		

TABLE 1
Summary of Historical Groundwater Monitoring Data
 (All measurements are in feet; all elevations are in feet above mean sea level)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-8 continued		11/28/1997	11.70	--	--	14.42
		02/12/1998	11.34	--	--	14.78
		05/20/1998	12.21	--	--	13.91
		08/11/1998	12.60	--	--	13.52
		11/10/1998	12.26	--	--	13.86
		02/11/1999	11.00	--	--	15.12
		05/11/1999	12.29	--	--	13.83
		08/10/1999	12.72	--	--	13.40
		10/26/1999	12.85	--	--	13.27
		02/25/2000	11.20	--	--	14.92
		05/03/2000	12.15	--	--	13.97
		08/02/2000	12.30	--	--	13.82
		11/07/2000	12.00	--	--	14.12
		02/15/2001	11.40	--	--	14.72
04/26/2001	11.93	--	--	14.19		
MW-9	25.03*	12/02/1996	11.52	--	--	N/A
		02/26/1997	11.55	--	--	N/A
		06/09/1997	11.91	--	--	N/A
		08/25/1997	11.80	--	--	N/A
		11/28/1997	11.15	--	--	N/A
		02/12/1998	10.63	--	--	N/A
		05/20/1998	11.73	--	--	N/A
		08/11/1998	12.15	--	--	N/A
		11/10/1998	11.81	--	--	N/A
		02/11/1999	10.66	--	--	N/A
		05/11/1999	11.69	--	--	N/A
		08/10/1999	12.67	--	--	12.36
		10/26/1999	12.28	--	--	12.75
		02/25/2000	10.60	--	--	14.43
		05/03/2000	11.70	--	--	13.33
		08/02/2000	11.88	--	--	13.15
11/07/2000	11.56	--	--	13.47		
02/15/2001	10.95	--	--	14.08		
04/26/2001	11.52	--	--	13.51		
EW-1	26.80*	12/02/1996	12.17	--	--	N/A
		02/26/1997	12.13	--	--	N/A
		06/09/1997	12.46	--	--	N/A
		08/25/1997	12.35	--	--	N/A
		11/28/1997	12.12	--	--	N/A
		02/12/1998	11.83	--	--	N/A
		05/20/1998	12.51	--	--	N/A
		08/11/1998	12.85	--	--	N/A
		11/10/1998	12.55	--	--	N/A
		02/11/1999	11.66	--	--	N/A
		05/11/1999	12.56	--	--	N/A
		08/10/1999	12.91	--	--	13.89
		10/26/1999	13.00	--	--	13.80
		02/25/2000	11.41	--	--	15.39
		05/03/2000	12.36	--	--	14.44
		08/02/2000	12.51	--	--	14.29
11/07/2000	12.27	--	--	14.53		
02/15/2001	11.66	--	--	15.14		
04/06/2001	12.12	--	--	14.68		

Notes:
 -- = No datum for the cell, including "product not detected"
 NM = Not Monitored
 N/A = Not Available
 * = Survey of casing elevations for wells MW-9 and EW-1 conducted July 8, 1999
 ** = Gauged and sampled one day after other wells

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in micrograms per liter unless otherwise specified)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE
MW-1	12/30/92	1	1	2	2	-	-	1	-	-
	03/24/93	0.4	1	0.32	10	-	-	1	-	-
	06/21/93	<0.3	1	<0.3	6	-	**<100	-	-	-
	09/16/93	<0.3	0.7	2	7	-	**<100	-	-	-
	12/01/93	0.4	1	-	7	-	-	-	-	-
	12/30/93	-	-	1	-	-	<100	-	-	-
	03/09/94	<0.3	<0.3	2.4	4.2	-	<100	-	-	-
	06/30/94	0.6	0.7	1.4	15	-	<100	-	-	-
	09/27/94	0.9	0.5	<0.3	10	-	*<250	-	-	-
	12/01/94	0.4	0.4	<0.3	6.6	-	*<250	-	-	-
	03/08/95	<0.3	0.6	4.7	2.7	-	*<250	-	-	-
	06/09/95	<0.3	1.4	3.9	5.6	-	*<250	-	-	-
	08/29/95	0.3	0.9	<0.5	2.8	-	*<250	-	-	-
	11/15/95	<0.5	<0.5	<1.0	27	-	*<200	-	-	-
	03/05/96	<0.5	<1.0	<1.0	<2.0	-	*<200	-	-	-
	06/03/96	<0.5	<1.0	3.7	3.4	340	*<200	-	-	-
	09/04/96	<0.5	<1.0	<1.0	<2.0	390	310	-	-	-
	12/02/96	<0.5	<1.0	<1.0	2.7	400	*<200	-	-	-
	02/26/97	<0.5	<1.0	<1.0	4.5	390	*<200	-	-	-
	06/09/97	<0.5	<1.0	<0.5	2.3	340	<200	-	-	<10
	08/25/97	<0.5	<0.5	<0.5	3	220	<200	-	-	4.5
	11/28/97	<0.5	<0.5	<0.5	3	340	<200	-	-	6.0
	02/12/98	<0.5	<0.5	<0.5	<2.0	280	<200	-	-	4.5
	05/20/98	<0.5	<0.5	0.8	3	340	<200	-	-	4.5
	08/11/98	<0.5	<0.5	<0.5	<0.5	230	<500	-	-	2.5
	11/10/98	<0.50	<0.50	<0.50	<0.50	150	<250	-	-	<2.5
	02/11/99	<0.50	<0.50	1	1.6	260	<500	-	-	6.7
	05/11/99	<0.5	0.54	<0.5	4.7	160	<250	-	-	<2.5
	08/10/99	<0.5	0.79	<0.5	2.8	230	<250	-	-	<2.0
	10/26/99	<0.5	<0.5	0.64	1.2	95	<250	-	-	<2.5
02/25/00	<0.5	<0.5	<0.5	<0.5	330	310	-	-	1.6	
05/03/00	<0.5	<0.5	<0.5	<0.5	220	<100	-	-	1.5	
08/02/00	<0.5	<0.5	<0.5	<0.5	170	<100	-	-	1.1	
11/07/00	<0.5	<0.5	<0.5	<0.5	250	<100	-	-	0.9	
02/15/01	<0.5	<0.5	<0.5	<0.5	350	200	-	-	1.0	
04/26/01	<0.5	<0.5	<0.5	<0.5	310	200	-	-	1.5	
MW-2	12/30/92	0.7	<0.3	<0.3	3	190	-	1	*ND	-
	03/24/93	0.6	<0.3	<0.3	2	120	-	<1	*ND	-
	06/21/93	0.3	<0.3	<0.3	0.7	82	**<100	-	*ND	-
	09/16/93	<0.3	<0.3	<0.3	<0.5	28	**<100	-	*ND	-
	12/01/93	<0.3	<0.3	<0.3	1	68	-	-	*ND	-
	12/30/93	-	-	-	-	-	310	-	-	-
	03/09/94	<0.3	<0.3	<0.3	<0.5	47	<100	-	ND	-
	06/30/94	<0.3	<0.3	<0.3	<0.5	<10	100	-	ND	-
	09/27/94	<0.3	<0.3	<0.3	<0.5	<10	*<250	-	*15	-
	12/01/94	<0.3	<0.3	<0.3	<0.5	54	1,300	-	*6	-
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	3,000	-	ND	-
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	2,000	-	ND	-
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	4,300	-	*20	-
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	6,100	-	ND	-
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	3,200	-	ND	-
06/04/96	<0.5	<1.0	<1.0	<2.0	<100	3,800	-	ND	-	
09/04/96	<0.5	<1.0	<1.0	<2.0	<100	3,100	-	-	-	

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in micrograms per liter unless otherwise specified)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE
MW-2 continued	12/02/96	<0.5	<1.0	<1.0	<2.0	<100	2,200	--	--	--
	02/26/97	<0.5	<1.0	<1.0	<2.0	<100	2,100	--	--	--
	06/09/97	<0.5	<1.0	<1.0	<2.0	<100	2,400	--	--	<10
	08/25/97	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5
	11/28/97	0.6	<0.5	<0.5	<2.0	<50	1,900	--	--	<5
	02/12/98	<0.5	<0.5	<0.5	<2.0	<50	1,600	--	--	<5
	05/20/98	<0.5	<0.5	<0.5	<2.0	<50	3,100	--	--	<5
	08/11/98	<0.5	<0.5	<0.5	<0.5	<50	1,200	--	--	<2.5
	11/10/98	<0.50	<0.50	<0.50	<0.50	<50	820	--	--	<2.5
	02/11/99	<0.50	<0.50	<0.50	<0.50	<50	<500	--	--	3.3
	05/11/99	<0.5	<0.5	<0.5	<0.5	<50	1,400	--	--	<2.5
	08/10/99	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/26/99	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/25/00	<0.5	<0.5	<0.5	<0.5	<50	980	--	--	1.4
	05/03/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	0.6
	08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	1.0
	11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	1.4
	02/15/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	1.0
	04/27/01	<0.5	<0.5	<0.5	<0.5	<50	340	--	--	0.6
	MW-3	12/30/92	11	0.9	<0.3	2	910	SPH	20	*ND
03/24/93		28	0.7	1	8	3,300	SPH	28	**15	--
06/21/93		21	5	2	19	**2,600	32,000	26	**5	--
09/16/93		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
12/01/93		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
03/09/94		2	1.4	4.5	13	2,000	**5,700	**63	*ND	--
06/30/94		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
09/27/94		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
12/01/94		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
03/08/95		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
06/09/95		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
08/29/95		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
11/15/95		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
03/05/96		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
06/03/96		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
09/04/96		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
12/02/96		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
02/26/97		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--
06/09/97		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
08/25/97		5	8	5	16	5,600	110,000	--	--	<30
11/28/97		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
02/12/98		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
05/20/98		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
08/11/98		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
11/10/98		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
02/11/99		SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
05/11/99		5.2	<0.5	<0.5	<0.5	<0.5	530	59,000	--	--
08/10/99	<0.5	<0.5	<0.5	<0.5	<0.5	2,200	54,000	--	--	2.2
10/26/99	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
02/25/00	<5.0	<5.0	<5.0	<5.0	<5.0	7,800	130,000	--	--	20
05/03/00	<0.5	<0.5	<0.5	<0.5	<0.5	1,100	42,000	--	--	2.2
08/02/00	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	--	--
11/07/00	<0.5	<0.5	<0.5	<0.5	<0.5	1,100	13,000	--	--	1.6
02/15/01	<0.5	<0.5	<0.5	<0.5	<0.5	430	73,000	--	--	0.7
04/26/01	<0.5	<0.5	<0.5	<0.5	<0.5	4,100	110,000	--	--	1.4
MW-4	12/30/92	2	<0.3	1	<0.5	1,200	--	<1	*ND	--
	03/24/93	<0.3	<0.3	<0.3	<0.5	750	--	2	*7	--
	06/21/93	<0.3	2	<0.3	0.5	660	19,000	--	*ND	--
	09/16/93	0.3	<0.3	2	3	410	2,500	--	*ND	--

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in micrograms per liter unless otherwise specified)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE
MW-4 continued	12/01/93	<0.3	<0.3	<0.3	<0.5	150	390	--	*ND	--
	03/09/94	0.7	0.8	2	3.6	1,500	780	--	*ND	--
	06/30/94	<0.3	1.7	0.5	1	450	130	--	ND	--
	09/27/94	0.5	<0.3	<0.3	<0.5	110	1,100	--	ND	--
	12/01/94	0.6	0.5	0.3	0.8	290	580	--	*c5	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	360	1,000	--	*c5	--
	06/09/95	<0.3	0.4	<0.3	<0.5	64	1,100	--	*c5	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	1,200	--	*c5	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	2,100	--	*ND	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	590	--	*ND	--
	06/04/96	<0.5	<1.0	<1.0	<2.0	<100	860	--	ND	--
	09/04/96	<0.5	<1.0	<1.0	<2.0	<100	600	--	--	--
	12/02/96	<0.5	<1.0	<1.0	<2.0	<100	940	--	--	--
	02/26/97	<0.5	<1.0	<1.0	<2.0	<100	390	--	--	--
	06/09/97	<0.5	<1.0	<1.0	<2.0	<100	630	--	--	<10
	08/25/97	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5
	11/28/97	3.6	3.9	3.7	12	120	<200	--	--	<5
	02/12/98	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5
	05/20/98	<0.5	<0.5	<0.5	<2.0	<50	300	--	--	<5
	08/11/98	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	<2.5
	11/10/98	<0.50	<0.50	<0.50	<0.50	62	610	--	--	<2.5
	02/11/99	<0.50	2.4	1.3	6.5	140	<500	--	--	8.0
	05/11/99	<0.5	<0.5	<0.5	<0.5	<50	330	--	--	<2.0
	08/10/99	<0.5	<0.5	<0.5	2.6	470	<250	--	--	2.5
	10/26/99	<0.5	<0.5	<0.5	<0.5	<50	1,300	--	--	3.5/2.2 ¹
	02/25/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.4
	05/03/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.5
08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.9	
11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.9	
02/15/01	<0.5/<0.5 ¹	<0.5/<0.5 ¹	<0.5/<0.5 ¹	<0.5/<0.5 ¹	<50	<100	--	--	2.4	
04/26/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.8	
MW-5	12/30/92	<0.3	<0.3	<0.3	<0.5	37	--	<1	*c5	--
	03/24/93	<0.3	<0.3	<0.3	0.5	19	--	2	**341	--
	06/21/93	<0.3	<0.3	<0.3	<0.5	<10	<100	--	*ND	--
	09/16/93	0.3	<0.3	<0.3	1	<10	<100	--	*ND	--
	12/01/93	<0.3	<0.3	<0.3	1	17	--	--	*ND	--
	12/30/93	--	--	--	--	--	<100	--	--	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	22	<100	--	*ND	--
	06/30/94	<0.3	<0.3	<0.3	<0.5	<10	<100	--	ND	--
	09/27/94	0.5	0.4	<0.3	<0.5	<10	560	--	ND	--
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	ND	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	<250	--	ND	--
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	*7	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	*36	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	ND	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	<200	--	ND	--
	06/03/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/04/96	<0.5	<1.0	<1.0	<2.0	<100	310	--	--	--
12/02/96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/26/97	<0.5	<1.0	<1.0	<2.0	<100	<200	--	--	--	
06/09/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/25/97	>0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5	
11/28/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE
MW-5 continued	02/12/98	<0.5	<0.5	<0.5	<0.5	<50	<200	--	--	<5
	05/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/11/98	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	<2.5
	11/10/98	NS	NS	NS	NS	NS	NS	--	--	NS
	02/11/99	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	3.2
	05/11/99	--	--	--	--	--	--	--	--	--
	08/10/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	5.6
	10/26/99	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/25/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	3.5
	05/03/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.9
	08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	5.2
	11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	4.2
	02/15/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	3.1
	04/26/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	2.4
MW-6	12/27/93	<0.3	<0.3	<0.3	<0.5	<10	<100	<1	*70	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	15	<100	--	*ND	--
	06/30/94	<0.3	<0.3	<0.3	<0.5	<10	<100	--	*D	--
	09/27/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	*8	--
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	*32	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	<250	--	ND	--
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	ND	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	*24	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	*31	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	<200	--	ND	--
	06/03/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/04/96	<0.5	<1.0	<1.0	<2.0	<100	230	--	--	--
	12/02/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/28/97	<0.5	<1.0	<1.0	<2.0	<100	<200	NS	NS	NS
	06/09/97	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/25/97	<0.5	1.1	<0.5	<2.0	<50	<200	--	--	<5
	11/28/97	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/12/98	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5
	05/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/11/98	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	<2.5
	11/10/98	NS	NS	NS	NS	NS	NS	--	--	NS
	02/11/99	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	7.1
	05/11/99	--	--	--	--	--	--	--	--	--
	08/10/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	<2.0
10/26/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/25/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
05/03/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
02/15/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
04/26/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
MW-7	12/27/93	<0.3	<0.3	1	2	140	<100	<1	*40	--
	03/09/94	<0.3	<1.0	1.5	4.1	620	<100	--	*ND	--
	06/30/94	<0.3	<0.3	<0.3	<0.5	33	<100	--	ND	--
	09/27/94	<0.3	<0.3	0.4	0.7	52	*<250	--	ND	--
	12/01/94	<0.3	<0.3	<0.3	1.1	<10	*<250	--	*28	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	*<250	--	ND	--
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	ND	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	*13	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	ND	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	270	--	ND	--
	06/03/96	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/04/96	<0.5	<1.0	<1.0	<2.0	<100	<200	--	--	--
12/02/96	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE	
MW-7 continued	02/26/97	<0.5	<1.0	<1.0	<2.0	<100	<200	NS	NS	NS	
	06/09/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/25/97	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5	
	11/28/97	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/12/98	<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5	
	05/20/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/11/98	<0.5	<0.5	<0.5	<0.5	<50	<500	--	--	<2.5	
	11/10/98	NS	NS	NS	NS	NS	NS	--	--	NS	
	02/11/99	<0.5	<0.5	<0.5	<0.5	130	<500	--	--	5.8	
	05/11/99	--	--	--	--	--	--	--	--	--	
	08/10/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	<2.0	
	10/26/99	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/25/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	05/03/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	02/15/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	04/26/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
	MW-8	12/27/93	0.4	4	0.4	1	390	<100	<1	*18	--
		03/09/94	0.6	0.8	0.5	1.5	420	<100	--	*ND	--
06/30/94		0.9	<0.3	<0.3	1.1	250	<100	--	ND	--	
09/27/94		<0.3	<0.3	<0.3	<0.5	210	*<250	--	*9	--	
12/01/94		5.4	<0.3	0.7	1.3	230	*<250	--	*ND	--	
03/08/95		<0.3	<0.3	<0.3	<0.5	230	*<250	--	ND	--	
06/09/95		<0.3	<0.3	<0.3	<0.5	<50	*<250	--	ND	--	
08/29/95		0.9	0.4	<0.3	0.8	200	*<250	--	*15	--	
11/15/95		0.58	<0.5	<0.5	0.54	120	--	--	*21	--	
12/11/95		--	--	--	--	--	*<200	--	--	--	
03/05/96		0.6	<1.0	<1.0	<2.0	<100	*<200	--	ND	--	
06/03/96		<0.5	<1.0	<1.0	<2.0	100	--	--	--	--	
09/04/96		<0.5	<1.0	<1.0	<2.0	110	<200	--	--	--	
12/02/96		<0.5	<1.0	<1.0	<2.0	110	<200	--	--	--	
02/26/97		<0.5	<1.0	<1.0	<2.0	<100	<200	--	--	--	
06/09/97		<0.5	<1.0	<1.0	<2.0	110	<200	--	--	<10	
08/25/97		<0.5	<0.5	<0.5	<2.0	70	<200	--	--	<5	
11/28/97		<0.5	<0.5	<0.5	<2.0	110	<200	--	--	<5	
02/12/98		<0.5	<0.5	0.6	<2.0	70	<200	--	--	<5	
05/20/98		<0.5	<0.5	<0.5	<2.0	<50	<200	--	--	<5	
08/11/98		<0.5	<0.5	<0.5	<0.5	64	<500	--	--	<2.5	
11/10/98		<0.50	<0.50	<0.50	<0.50	52	<250	--	--	<2.5	
02/11/99		<0.50	<0.50	<0.50	<0.50	58	<500	--	--	<2.5	
05/11/99		<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	<2.5	
08/10/99		<0.5	<0.5	<0.5	<0.5	72	<250	--	--	<2.0	
10/26/99		<0.5	<0.5	<0.5	<0.5	63	<250	--	--	<2.5	
02/25/00		<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
05/03/00		<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5	
08/02/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5		
11/07/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5		
02/15/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5		
04/26/01	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	<0.5		
MW-9	12/02/96	<0.5	<1.0	<1.0	<2.0	210	250	--	--	--	
	02/26/97	<0.5	<1.0	<1.0	<2.0	170	340	--	--	--	
	06/09/97	0.8	<1.0	<1.0	<2.0	130	350	--	--	<10	
	08/25/97	<0.5	0.8	<0.5	<2.0	110	<200	--	--	<5	
	11/28/97	<0.5	0.5	0.9	<2.0	150	<200	--	--	<5	
	02/12/98	<0.5	<0.5	<0.5	<2.0	60	<200	--	--	<5	
	05/20/98	<0.5	<0.5	0.9	<2.0	130	<200	--	--	<5	
08/11/98	<0.5	<0.5	<0.5	0.76	240	<500	--	--	<2.5		

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in micrograms per liter unless otherwise specified)

Sears Store 1058
 2633 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TPH as Motor Oil	TPH (mg/L)	Dissolved Metals	MTBE
MW-9 continued	11/10/98	<0.50	<0.50	<0.50	<0.50	220	<250	--	--	<2.5
	02/11/99	<0.50	<0.50	<0.50	<0.50	52	<500	--	--	3.5
	05/11/99	<0.5	<0.5	<0.5	<0.5	96	<250	--	--	<2.5
	08/10/99	<0.5	<0.5	<0.5	0.96	130	<250	--	--	<2.0
	10/26/99	<0.5	<0.5	<0.5	<0.5	130	<250	--	--	3.3/2.1
	02/25/00	<0.5	<0.5	<0.5	<0.5	<50	<100	--	--	0.8
	05/03/00	<0.5	<0.5	<0.5	<0.5	150	<100	--	--	1.5
	08/02/00	<0.5	<0.5	<0.5	<0.5	210	<100	--	--	2.2
	11/07/00	<0.5	<0.5	<0.5	<0.5	190	<100	--	--	1.4
	02/15/01	<0.5	<0.5	<0.5	<0.5	110	<100	--	--	1.4
04/26/01	<0.5	<0.5	<0.5	<0.5	150	<100	--	--	1.6	
EW-1	09/04/96	<0.5	<1.0	<1.0	<2.0	1,100	1,700	--	--	--
	12/02/96	6.2	<1.0	<1.0	<2.0	1,000	1,400	--	--	--
	02/26/97	12	<1.0	<1.0	<2.1	1,200	2,100	--	--	--
	06/09/97	83	<1.0	<1.0	<2.0	1,400	12,000	--	--	13
	08/25/97	7.5	0.9	0.9	2	1,400	15,000	--	--	12
	11/28/97	4.5	1.1	1.1	4	560	5,700	--	--	5.0
	02/12/98	9.8	0.6	1.2	2	1,000	6,300	--	--	30
	05/20/98	7.2	<0.5	<0.5	<2.0	820	6,200	--	--	26
	08/11/98	2.6	<0.5	<0.5	0.86	320	5,400	--	--	8.7
	11/10/98	<0.50	<0.50	<0.50	0.75	820	2,900	--	--	13
	02/11/99	4.0	<0.50	0.51	0.94	720	1,300	--	--	14
	05/11/99	<0.5	<0.5	<0.5	<0.5	680	4,800	--	--	<2.5
	08/10/99	<0.5	<0.5	<0.5	<0.5	730	1,100	--	--	3.6
	10/26/99	<0.5	<0.5	<0.5	<0.5	1,500	13,000	--	--	<50
	02/25/00	<0.5	<0.5	<0.5	<0.5	1,100	6,300	--	--	2.2
	05/03/00	<0.5	<0.5	<0.5	<0.5	110	3,100	--	--	<0.5
	08/02/00	<0.5	<0.5	<0.5	<0.5	1,100	4,500	--	--	2.6
11/07/00	<0.5	<0.5	<0.5	<0.5	1,200	5,100	--	--	2.1	
02/15/01	<0.5	<0.5	<0.5	<0.5	1,100	11,000	--	--	2.0	
04/26/01	<0.5/<0.5 ⁱ	<0.5/<0.5 ⁱ	<0.5/<0.5 ⁱ	<0.5/<0.5 ⁱ	1600	6,600	--	--	2.3	

- Notes:
- = No data for the cell, including "not analyzed for this constituent"
 - < = Compound was not detected above the laboratory reporting limits.
 - mg/l = Milligrams per liter
 - TPH = Total petroleum hydrocarbons
 - ND = Non-detectable (Detection limits for each metal are listed in laboratory reports.)
 - SPH = Separate phase hydrocarbon
 - NS = Not sampled
 - * = Water samples were not filtered; analytical results represent total metals present, not dissolved concentrations
 - ** = Uncategorized hydrocarbon compound not included in this hydrocarbon concentration.
 - a = Dissolved lead
 - b = Dissolved lead only analyte detected
 - c = Dissolved lead, cadmium, total chromium, nickel, and zinc
 - d = Cadmium only analyte detected
 - e = Hydrocarbon pattern not characteristic of motor oil
 - f = Uncategorized compounds included in concentration
 - g = Zinc only analyte detected
 - h = Chromium only analyte detected
 - i = Duplicate sample result from EPA Method 8260A
 - MTBE = Methyl Teri-Butyl Ether

Attachment 3

**Groundwater Monitoring and Sample Collection
Protocol and Field Data Sheets**

IT CORPORATION GROUNDWATER MONITORING AND SAMPLE COLLECTION PROTOCOL

Groundwater Monitoring

Groundwater monitoring is accomplished using an INTERFACE PROBE™ Well Monitoring System. The INTERFACE PROBE™ Well Monitoring System is a hand held, battery-operated device for measuring the depth to separate-phase hydrocarbons and depth to water. The INTERFACE PROBE™ Well Monitoring System consists of a dual-sensing probe that utilized an optical liquid sensor and electrical conductivity to distinguish between water and petroleum products.

Monitoring is accomplished by measuring from the surveyed top of well casing or grade to groundwater and separate-phase hydrocarbons if present. The static water elevation is then calculated for each well and a potentiometric surface map is constructed. If separate-phase hydrocarbons are detected, the water elevation is adjusted by the following calculation:

$$(\text{Product thickness}) \times (0.8) + (\text{Water elevation}) = \text{Corrected water elevation}$$

Groundwater monitoring wells are monitored in order of wells with lowest concentrations of volatile organic compounds to wells with the highest concentrations, based upon historical concentrations. If separate-phase hydrocarbons are encountered in a well, the product is visually inspected to confirm and note color, amount, and viscosity. Monitoring equipment is washed with laboratory grade detergent and rinsed with distilled or deionized water before monitoring each well.

Groundwater Sampling

Before groundwater samples are collected, sufficient water is purged from each well to ensure representative formation water is entering the well. Wells are purged and sampled in the same order as monitoring, from wells with the lowest concentrations of volatile organic compounds to wells with the highest concentrations. Wells are purged using either a polyvinyl chloride (PVC) bailer fitted with a check valve or with a stainless steel submersible Grundfos pump. The purge equipment is decontaminated before use in each well by washing with laboratory grade detergent and tripled rinsing with deionized or distilled water. A minimum of 3 well-casing volumes of water are removed from each well while pH, electrical conductivity, and temperature are recorded to verify that "fresh" formation water is being sampled and the parameters have stabilized. If the well is low yielding, it may be purged dry and sampled before 3 casing volumes are purged. The wells are then allowed to recharge to approximately 80 percent of the initial water level before a sample is collected.

Groundwater samples are collected from each well using a new, prepackaged disposable bailer and string. The water sample is decanted from the bailer into laboratory-provided containers (appropriate for the analyses required) so that there is no headspace in the containers. Samples collected for benzene, toluene, ethylbenzene, xylenes, and total petroleum hydrocarbons as gasoline analyses are collected in 40-milliliter vials fitted with Teflon® septum lids. Samples are preserved with hydrochloric acid (HCL) to a pH of less than 2. Dissolved metals samples are filtered through a 0.45-micron paper filter in the field and preserved as required before submitting to the laboratory for analyses. All samples are labeled immediately upon collection and logged on the chain-of-custody record. Sample label and chain-of-custody recorded information includes the project name and number, sample identification, date and time of collection, analyses requested, and the sampler's name. Sample bottles are placed in plastic bags (to protect the bottles and labels) and on ice (frozen water) in an insulated cooler and are shipped under chain-of-custody protocol to the laboratory.

The chain-of-custody record documents who has possession of the samples until the analyses is performed. Other pertinent information is also noted for the laboratory use on the chain-of-custody record.

Trip blanks (TBLBs) are used for each project as a quality assurance/quality control measure. The TBLBs are prepared by the laboratory, are placed in the insulated cooler, and accompany the field samples throughout the sampling event.

11/13/01
4/26/01

SITE VISIT FORM
IT Corporation - Concord, California

Project: 823291.03054300
Site: SEARS/1058/Oakland, CA
Project Manager: David Bero

Technician: *[Signature]*
Schedule:
Site Mgr:

PREPARATORY COMMENTS

Visit Date: 4-26-01 Time of: 8:00 Arrival 13:00 Departure

Work Order read in office: Y/N upon arrival: Y/N upon departure Y/N

Called PM? Y/N Time: Who/Topic:

Are you in possession of a health and safety plan? Y/N

COC: Complete with store #, site address and proj. office address? Y/N

GROUNDWATER SAMPLING - Task Nr: 03054300 [Quarterly]

SITE ADDRESS: 2633 Telegraph Avenue, Oakland, CA

cc: David Bero

Notify Amir Gholami 72 hrs. in advance (510) 567-6876 DONE: *Called 4/24/01 @ 11:45*

During any sampling activities, a minimum work zone will be defined by a 10ft by 10-ft square centered around the monitor well and marked with 36" -high orange traffic cones with flag poles and flags placed in the center of the cone and caution tape stretched between the cones. Employees will be constantly aware of the public access to the work zone and keep them within the outer perimeter of the cones and caution tape at all times.

- 1) Monitor and sample ten (10) wells in the following order: MW-5, MW-6, MW-7, MW-8, MW-1, MW-9, MW-4, MW-2, MW-3 and the extraction well (EW-1) located next to MW-3. USE DISPOSABLE BAILER. Collect two (2) 40ml, HCL-preserved VOAs from on site wells.
- 2) Purge each well of 3 well volumes or until dry. Record DTW, DTP, pH, temperature, conductivity and dissolved oxygen data. NOTE: Recharge DTW.
- 3) Collect one trip blank and one duplicate from MW-4 and submit for BTEX (EPA 8260). Must use lab trip blank (Zymax).
- 4) Make a complete drum count and note the general condition of the site, wells and drums. Check with owner if drums can be left in corner. Keep drum area tidy. Label drums properly.

SITE VISIT FORM
IT Corporation - Concord, California

Project: 823291.03054300
Site: SEARS/1058/Oakland, CA
Project Manager: David Bero

Techician: Hector Mirino
Schedule:
Site Mgr:

GROUNDWATER SAMPLING (Continued) - Task Nr. 03054300 (Quarterly)

5) Submit samples to Zymax, ph# (805) 544-4696, to be analyzed for BTEX/MTBE/TPH-G (EPA 8260 and GC/MS combination), and TPH-Motor Oil by GC/MS combination.

6) COMPLETED ALL THREE PAGES OF DRUM/WASTE INVENTORY FORM? Yes. IF NO EXPLAIN _____

Hours Estimated _____ Hours Used _____

FINAL CHECKS

SITE SECURITY: wells/covers/gates ... secure? Y/N - If No, explain.

WASTE COMPLIANCE: # of drums: Water 4, Soil _____, Empty _____, Other _____

Drums labeled? NA/Y/N Gen. Date: 4-26-01 Label Type: NON HAZ

SOIL pile? Y/N size: NA cu. yds.

SITE LEFT CLEAN? Y/N

Travel Time Estimated: 20

Travel Time Used: 20

On Site Time Estimated: 80

On Site Time Used: 70

SITE VISIT FORM
IT Corporation

Project: Sears/#1058/Oakland
Store #: 1058/2633 Telegraph
Project Manager: David Bero

Technician: Hector Medina
Schedule: 4-26-01
Job No. 823291.03054300

WELL WATER SAMPLING - TASK Nr: 03054300 [QUARTERLY]

Gauge wells for volume of water & bail 3 well Vol.s. DECON
all equipment & change gloves, string, etc, between each well.

Well ID

MW-1:	DTB_21.72	DTW <u>10.43</u>	SAT. THICK ___	#GAL. BAILED ___
MW-2:	DTB_21.79	DTW <u>10.60</u>	SAT. THICK ___	#GAL. BAILED ___ <u>Cor on well</u>
MW-3:	DTB_24.67	DTW <u>12.06</u>	SAT. THICK ___	#GAL. BAILED ___
MW-4:	DTB_22.97	DTW <u>11.35</u>	SAT. THICK ___	#GAL. BAILED ___
MW-5:	DTB_25.27	DTW <u>10.17</u>	SAT. THICK ___	#GAL. BAILED ___
MW-6:	DTB_22.05	DTW <u>10.40</u>	SAT. THICK ___	#GAL. BAILED ___
MW-7:	DTB_21.70	DTW <u>10.95</u>	SAT. THICK ___	#GAL. BAILED ___
MW-8:	DTB_22.14	DTW <u>11.93</u>	SAT. THICK ___	#GAL. BAILED ___
MW-9:	DTB_20.30	DTW <u>11.52</u>	SAT. THICK ___	#GAL. BAILED ___
EW-1:	DTB_22.30	DTW <u>12.12</u>	SAT. THICK ___	#GAL. BAILED ___

NOTES: Cor on well MW2. will try and sample next day before going to 1039 site.

HOURS ESTIMATED:

HOURS USED:

FINAL CHECKS

Are Wells Locked? YES NO Why Not?

Are Manholes Bolted Down? YES NO Why Not?

Boltcase missing

DRUMMED MATERIAL INVENTORY FORM

Store Number 1058 Address/City/State/ZIP 2633 Telegraph Oakland, Ca.

Sears Facility Contact and Phone # N/A

IT Corporation Representative Hector Merino

Accumulation Start Date 4.28.01 Completion Date: 4.28.01

Exact Drum Storage Location Next to fence behind building building is between 27th & 26th st.

CONTENTS	# OF DRUMS	DRUM ID (A,B,C...) OR (1,2,3...)	LID TYPE (OPEN OR BUNG)	LABEL TYPE: HAZARDOUS, NON-HAZARDOUS, UNCLASSIFIED	DRUM DESCRIPTION: COLOR, CONDITION, MARKINGS
GASOLINE			O or B	H / N / U	
GASOLINE/WATER MIXTURE	4	A,B,C,D	O or B	H (N) U	Black & white
GASOLINE IMPACTED PURGE WATER			O or B	H / N / U	
GASOLINE TANK BOTTOMS/SLUDGE			O or B	H / N / U	
GASOLINE IMPACTED DEBRIS			O or B	H / N / U	
GASOLINE IMPACTED SOIL			O or B	H / N / U	
FUEL OIL (INC. DIESEL & HEATING OIL)			O or B	H / N / U	
FUEL OIL/WATER MIXTURE			O or B	H / N / U	
FUEL OIL IMPACTED PURGE WATER			O or B	H / N / U	
FUEL OIL TANKS BOTTOMS/SLUDGE			O or B	H / N / U	
FUEL OIL IMPACTED DEBRIS			O or B	H / N / U	
FUEL OIL IMPACTED SOIL			O or B	H / N / U	
HYDRAULIC FLUID			O or B	H / N / U	
HYDRAULIC FLUID/WATER MIXTURE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED PURGE WATER			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SLUDGE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED DEBRIS			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SOIL			O or B	H / N / U	
USED OIL			O or B	H / N / U	
USED OIL/WATER MIXTURE			O or B	H / N / U	
USED OIL IMPACTED PURGE WATER			O or B	H / N / U	
USED OIL TANK BOTTOMS/SLUDGE			O or B	H / N / U	
USED OIL IMPACTED DEBRIS			O or B	H / N / U	
USED OIL IMPACTED SOIL			O or B	H / N / U	
CHLORINATED SOLVENT:			O or B	H / N / U	
NON-CHLORINATED SOLVENT:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	

NOTE: There should NEVER be 2 drums with the same ID present at a site at the same time!

DRUMMED MATERIAL INVENTORY FORM

Store Number 1058 City/State OAKland Ca.
 IT Corporation Representative Hector Meino

THERE SHOULD NEVER BE 2 DRUMS WITH THE SAME DRUM ID PRESENT AT A SITE AT THE SAME TIME

DRUM ID	ACCUMU-LATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific)	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	HOT 1/01	Purge water	Groundwater wells	N	55
B	HOT 1/01			N	55
C	4.26.01			N	55
D	4.26.01			N	55

EXAMPLE

A	6/24/94	diesel(3)/water(8)	diesel lines, flush water	no	11
---	---------	--------------------	---------------------------	----	----

NOTE: There should NEVER be 2 drums with the same ID present at a site at the same time!

BULK MATERIAL INVENTORY FORM

Store Number 1058 Address/City/State/ZIP 2633 Telegraph Ave
OAKland Ca.

Sears Facility Contact and Phone # N/A

IT Corporation Representative Hector Marino

Accumulation Start Date 4-26-01 Completion Date 4-26-01

Exact Bulk Storage Location Behind building between 26th & 27th St.

CONTAMINANTS	SOIL (Cu Yds)	DEBRIS (Cu Yds)	LIQUID (Gallons)
GASOLINE			
FUEL OIL			
HYDRAULIC FLUID			
USED OIL			
CHLORINATED SOLVENT:			
NON-CHLORINATED SOLVENT:			
OTHER:			
OTHER:			

SOIL PILE CALCULATIONS

Calculation for a tent shaped soil pile:

Length _____ X Width _____ X Height _____ $\div 2 \div 27 =$ _____ Yds³

Calculation for a rectangular or square shaped soil pile:

Length _____ X Width _____ X Height _____ $\div 27 =$ _____ Yds³

Calculation for a conical (cone) shaped soil pile:

.04 X Radius _____ X Radius _____ X Height _____ = _____ Yds³

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 823291.03054300

Date: 4.21.01
 Page _____ of _____
 Project Manager: David Bero

Well ID: MW 2
 Well Diameter: 2

DTW Measurements:
 Initial: 10.60
 Recharge: _____
 DTB: 21.79

Calc Well Volume: 1.8 gal
 Well Volume X3 5.4 gal

Purge Method
 Peristaltic _____
 Gear Drive _____
 Submersible X

Pump Depth _____ ft.
 Hand Bailed _____
 Air Lift _____
 Other _____

Instruments Used
 YSI: X _____ Other: _____
 Hydac: _____
 Omega: _____

Time	Temp <u>X</u> C F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	18.5	0.47	6.76		1	cloudy	
	18.3	0.49	6.77		2		
	18.5	0.50	6.79		3		
	18.5	0.51	6.81		4		
	18.5	0.50	6.80		5	✓	
							Sampled @ 730am



71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

CHAIN of CUSTODY

1058 2366 Telegraph, Ukiah

report to David Bero	phone 707.888.4878	fax 707.888.0532	ANALYSIS REQUESTED	Turnaround Time <input type="checkbox"/> ASAP <input type="checkbox"/> 48 hr <input type="checkbox"/> 12 hr <input type="checkbox"/> 72 hr <input type="checkbox"/> 24 hr <input checked="" type="checkbox"/>
company IT Corp	project Scars Telegraph # 1058			
address 4845 Port Chicago Hwy Concord ca 94520	project # 875291.03051300	sampler Hector Medina		

Zymax use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	ANALYSIS REQUESTED										# of containers	Remarks			
	MW-5	4/26/01	10:28	GW	None	X	X												3	Analyze For
	MW-6		11:15			X	X												3	PH, NH, BE, J, ME, EPA 8260 and GC MS (control)
	MW-7		10:00			X	X												3	
	MW-8		10:19			X	X												3	PH, NH, BE, J, ME, GC MS (control)
	MW-1		10:32			X	X												3	
	MW-9		10:59			X	X												3	
	MW-4		11:39			X	X												3	
	MW-2 TBLB					X	X	X											3	
	MW-3		12:45			X	X												3	
	EW-1		12:18			X	X												3	
	Dup		11:39					X											1	PH, NH, BE, J, ME, EPA 8260

Comments: TBLB Bl-x (EPA 8260)	Relinquished by:	Received by:
	Signature: <i>[Signature]</i> Print: Hector Medina Company: IT Corp Date: 4-26-01 Time: _____	Signature: <i>[Signature]</i> Print: Frank Vanni Company: Frank Vanni's Date: 4-27-01 Time: 1:25

Sample integrity upon receipt: <input type="checkbox"/> Samples received intact <input type="checkbox"/> Samples received cold <input type="checkbox"/> Custody seals <input type="checkbox"/> Correct container types	Bill 3rd Party: PO# _____ Quote <input type="checkbox"/> yes <input type="checkbox"/> no	Relinquished by: Signature: _____ Print: _____ Company: _____ Date: _____ Time: _____	Received by Zymax envirotechnology inc: Signature: _____ Print: _____ Company: _____ Date: _____ Time: _____
---	---	--	---

report to: DAVID BERO	phone: 905 208 9898	fax: 905 288 0530	ANALYSIS REQUESTED						Turnaround Time	
company: IT Corp	project: Soars/Telegraph NE 105B								<input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 24hr	
address: 4005 Potchicargo bwy Concord ca 94520	project #: 823291 030504300									
	sampler: Hector Munoz									

ZymaX use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	TPH motor oil	BTEX motor oil					# of containers	Remarks
	MW2	4/27/01	1:30	GW	Hcl	X	X					W	

Comments: TPH motor oil by GC/MS (can bo)
 BTEX motor oil / TPH-GS 206 (MS (can bo))

Relinquished by:
 Signature: *[Signature]*
 Print: **Hector Munoz**
 Company: **IT Corp**
 Date: **4/27/01** Time: **1:30**

Received by:
 Signature: *[Signature]*
 Print: **Kevin Vargas**
 Company: **ZymaX**
 Date: **4/27/01** Time: **05:15**

Sample integrity upon receipt:

Samples received intact	<input type="checkbox"/>
Samples received cold	<input type="checkbox"/>
Custody seals	<input type="checkbox"/>
Correct container types	<input type="checkbox"/>

Bill 3rd Party: PO# _____
 Quote: yes no

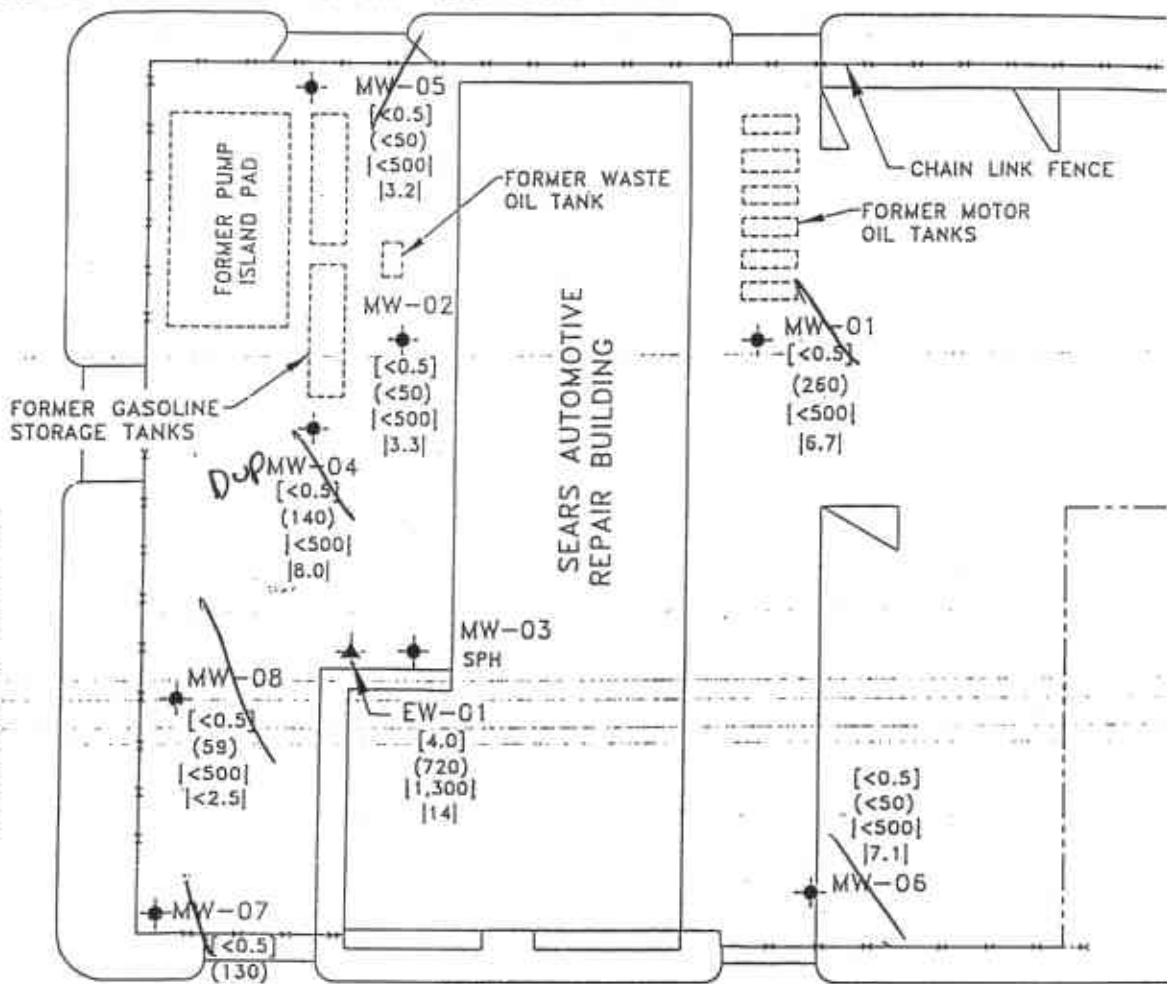
Relinquished by:
 Signature: _____
 Print: _____
 Company: _____
 Date: _____ Time: _____

Received by ZymaX envirotechnology inc:
 Signature: _____
 Print: _____
 Company: _____
 Date: _____ Time: _____

27th STREET



TELEGRAPH AVENUE



26th STREET

LEGEND

- MONITORING WELL
- EXTRACTION WELL
- [] BENZENE CONCENTRATIONS [ug/l]
- () TPH-AS-GASOLINE (ug/l)
- { } TPH-AS-MOTOR OIL {ug/l}
- | | METHYL TERT-BUTYL ETHER (MTBE) [ug/L]
(NOT CONFIRMED BY EPA METHOD 8260)
- SPH SEPARATE-PHASE HYDROCARBONS
- NS NOT SAMPLED



TIT CORPORATION

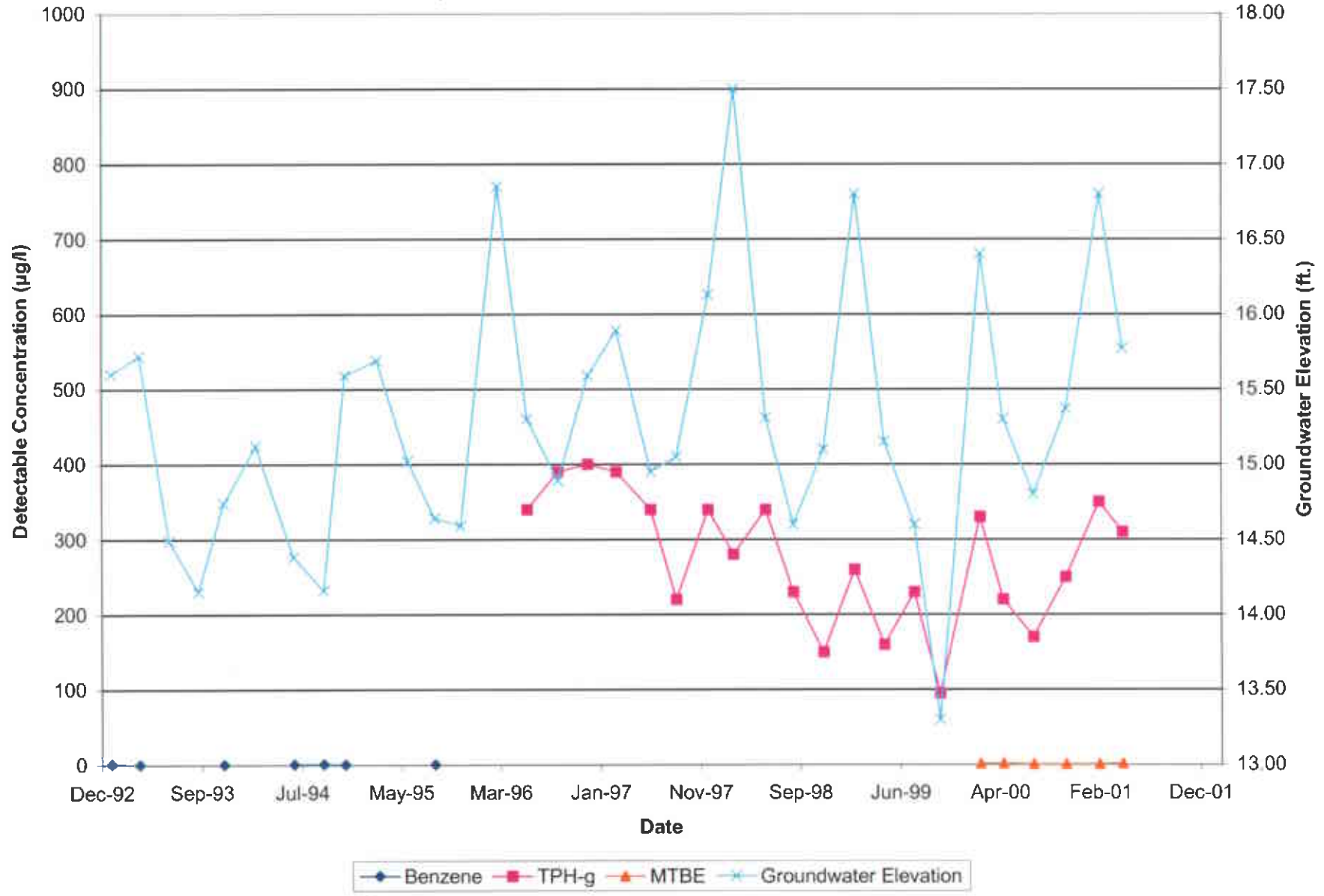


CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE, TPH-AS-MOTOR OIL & MTBE IN GROUNDWATER SAMPLED (2/8-9/99)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: BENNO299	PROJECT NO.: 1176603	PM	PE/RG
	REV.	FIGURE: 2		
LOCATION: 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. BP	DET. DL	DATE: 5/9/99	

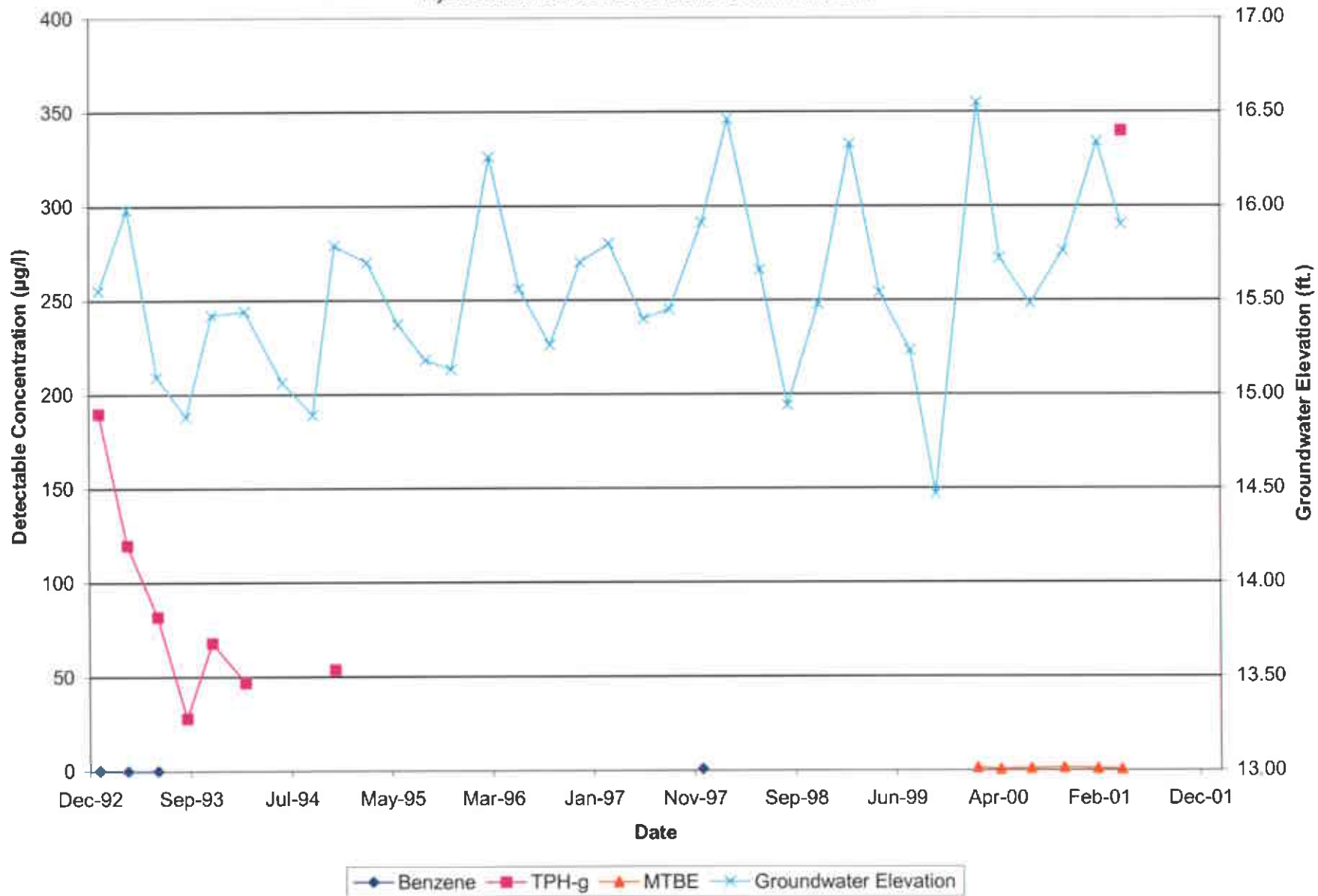
Graph 1, MW-1
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



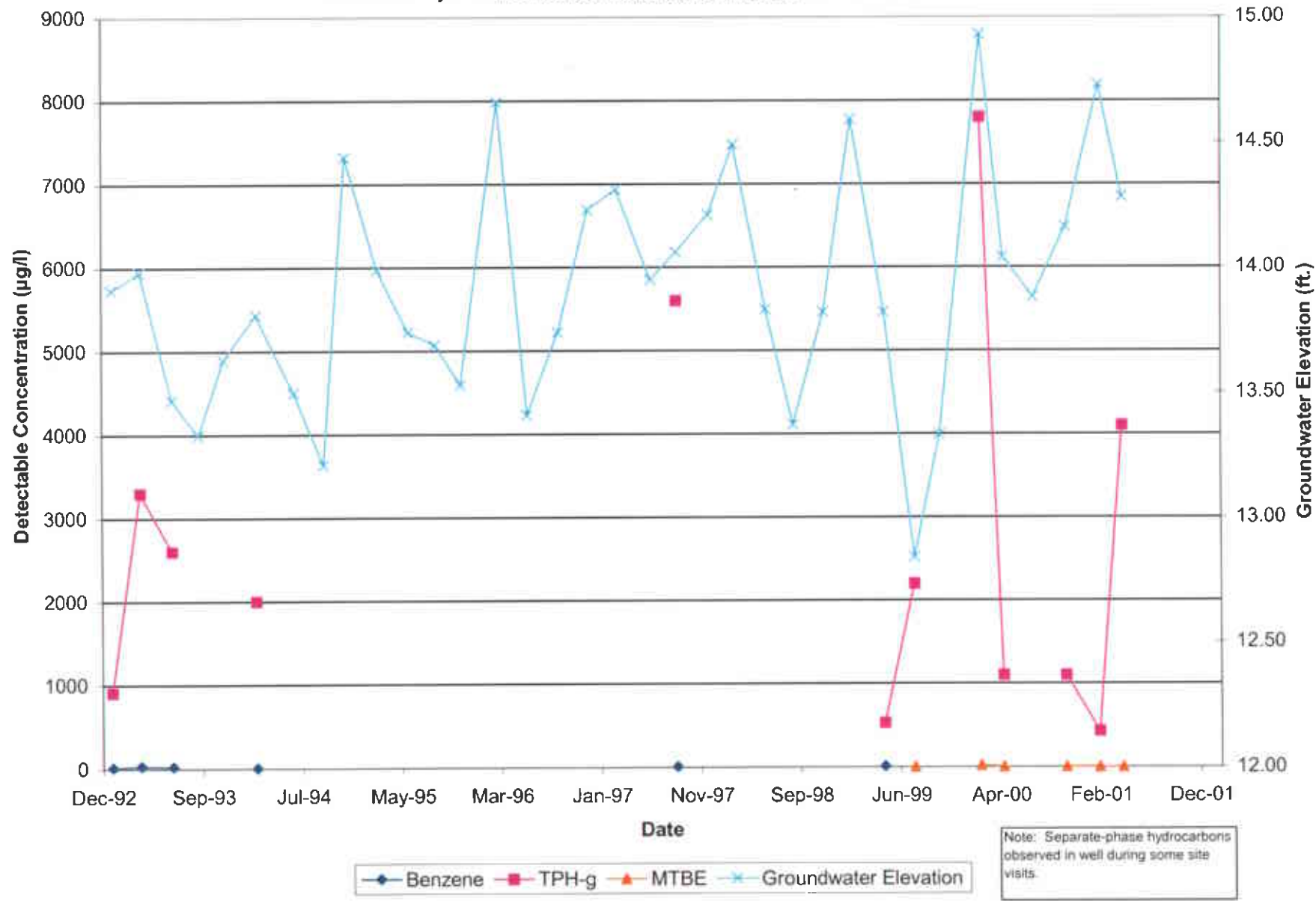
Graph 2, MW-2
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 3, MW-3
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

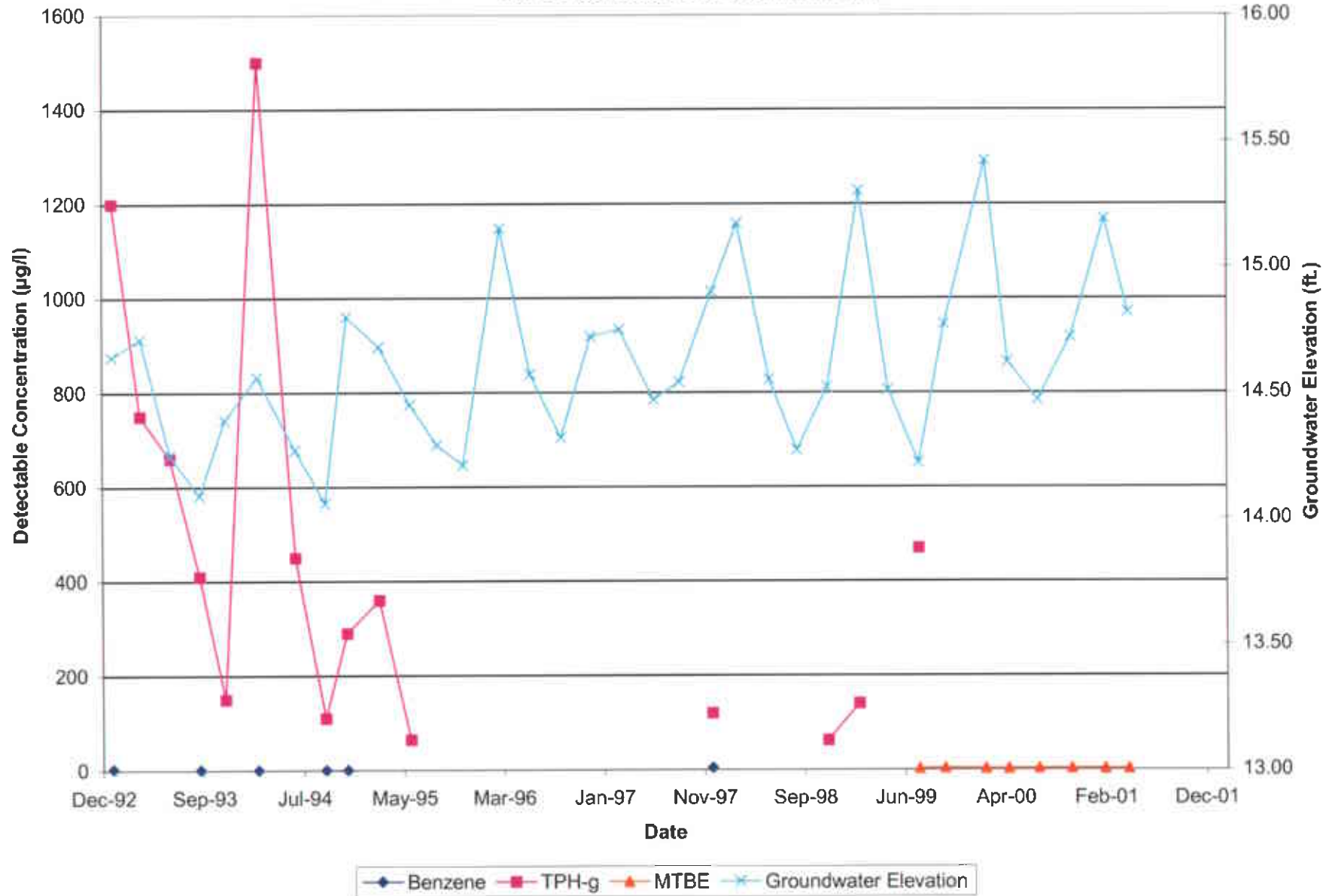
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Note: Separate-phase hydrocarbons observed in well during some site visits.

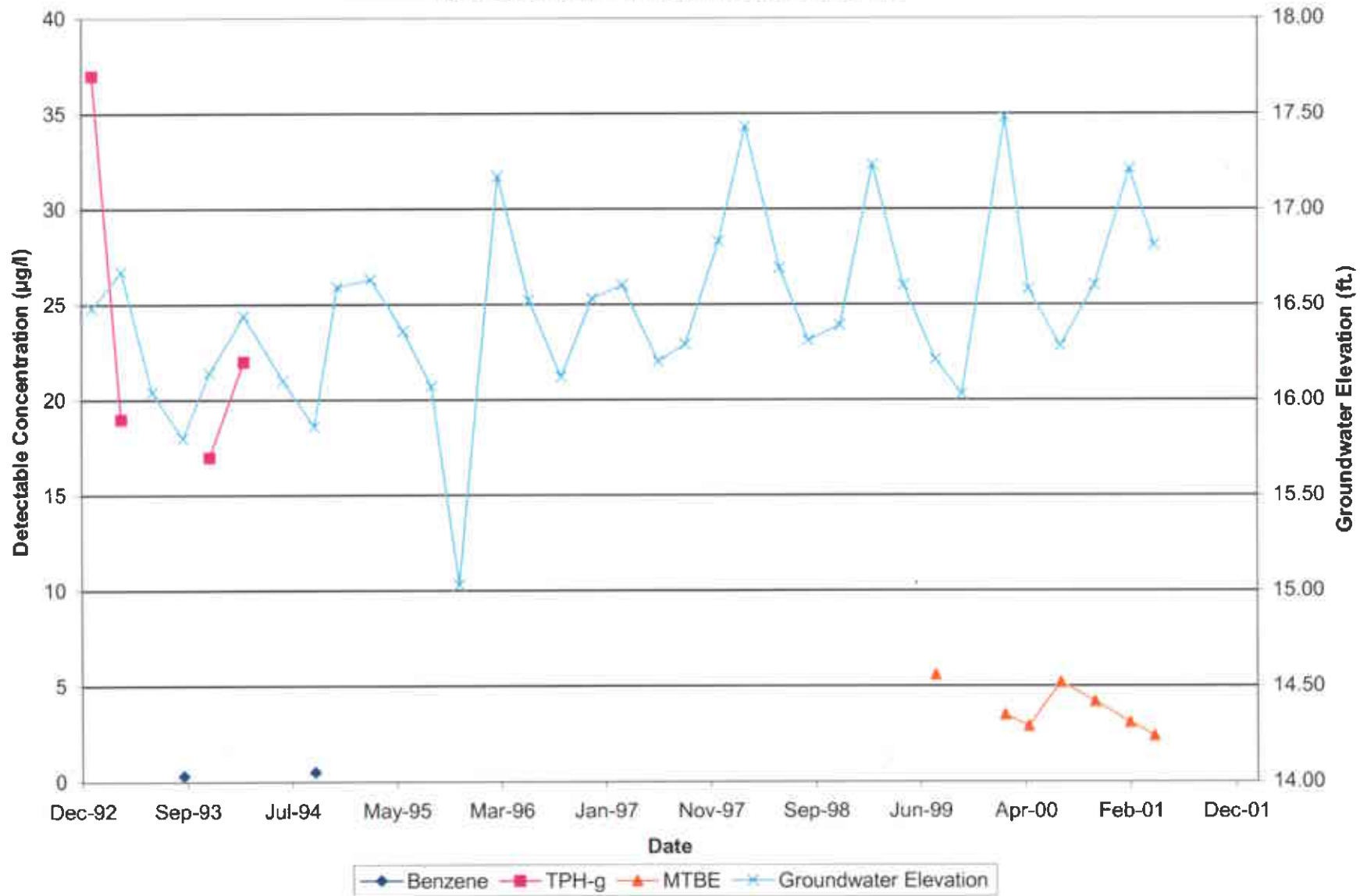
Graph 4, MW-4
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



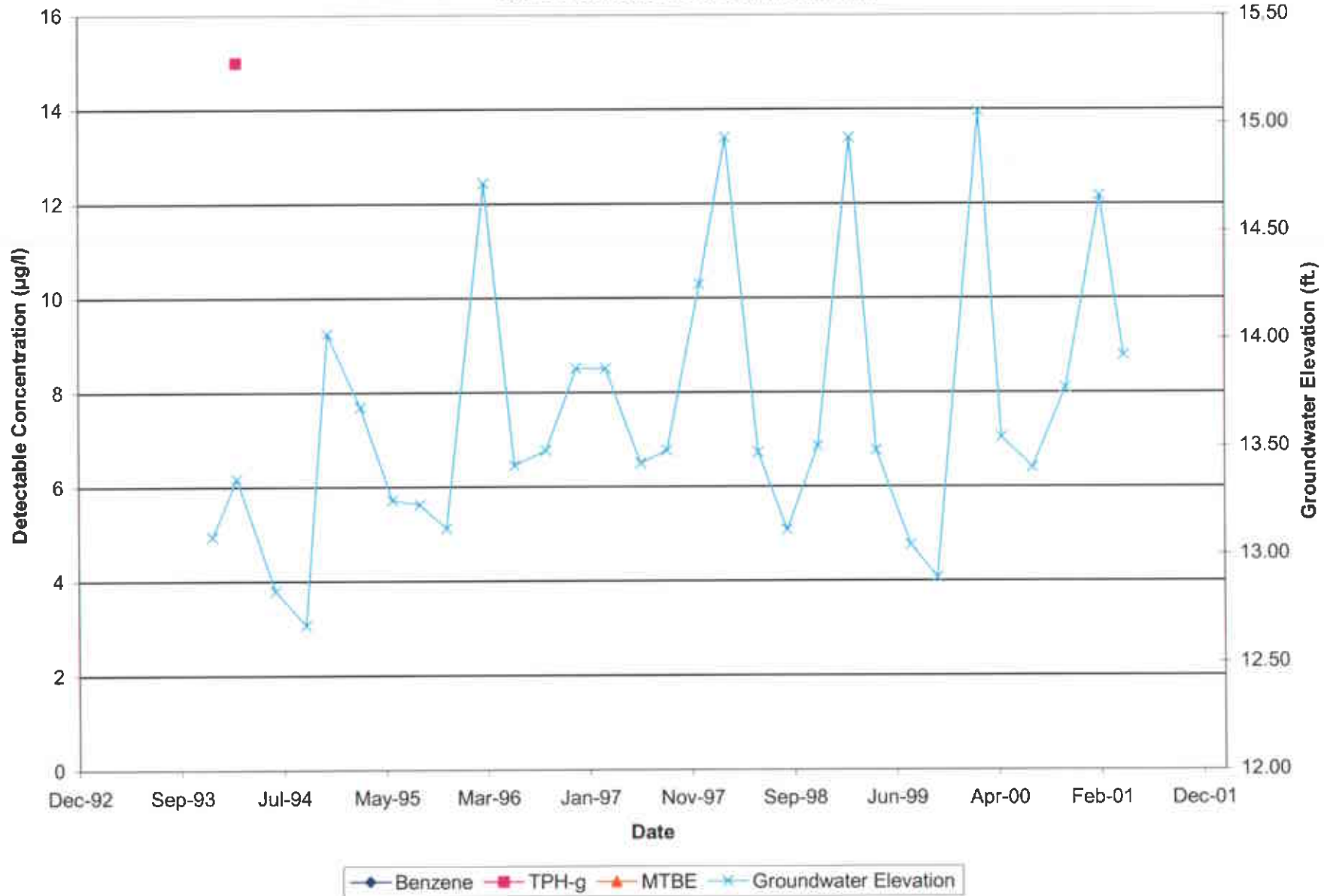
Graph 5, MW-5
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



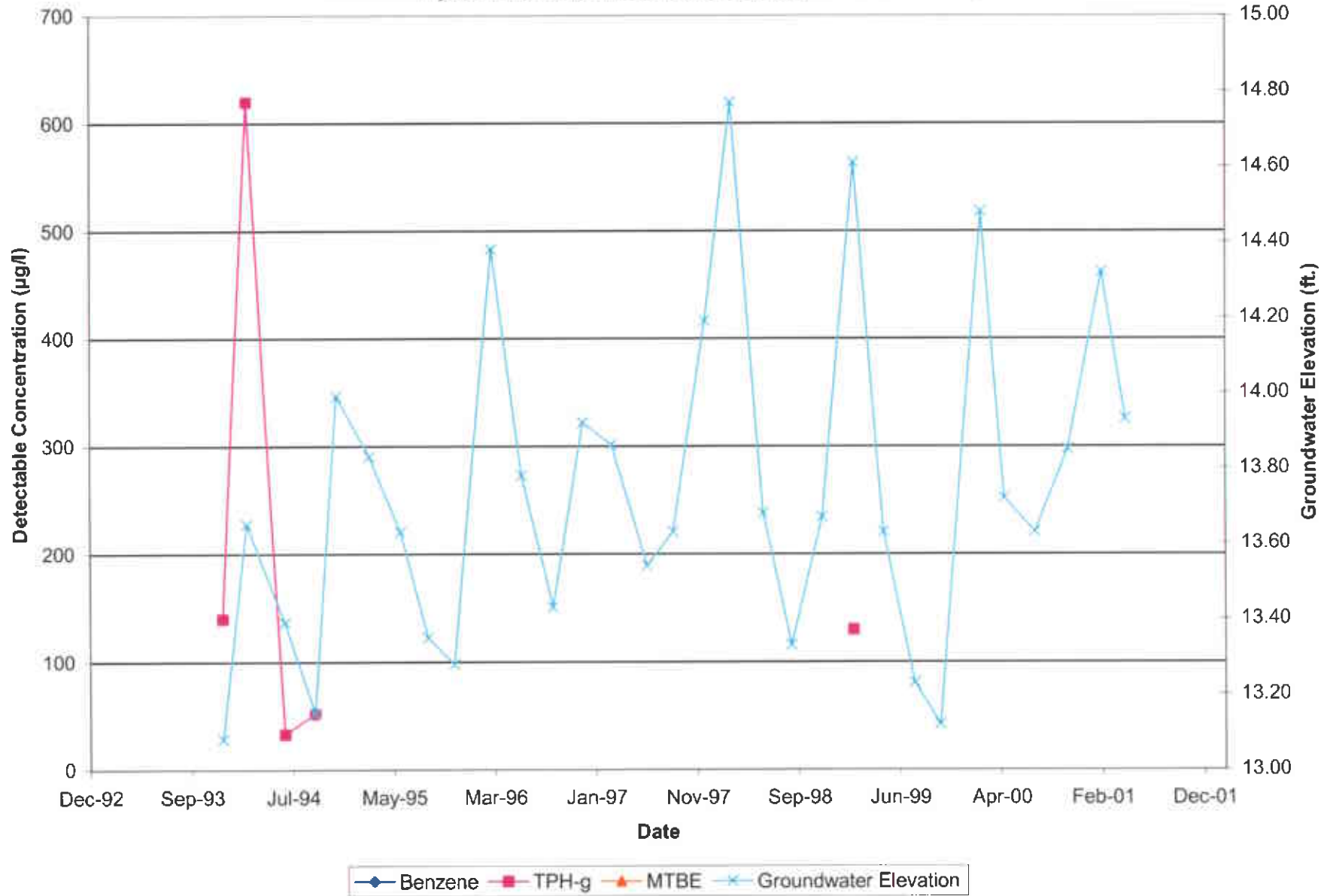
Graph 6, MW-6
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



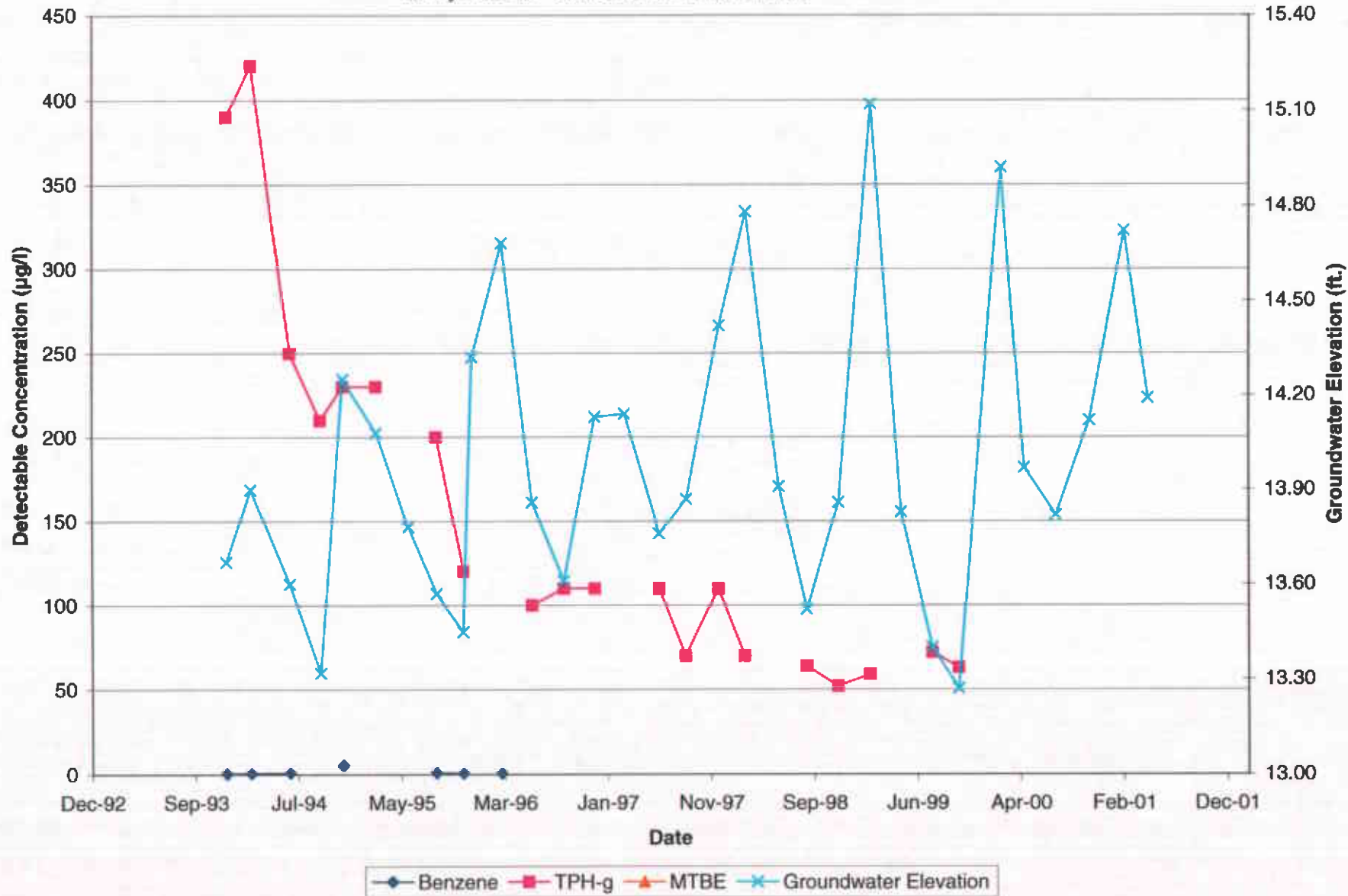
Graph 7, MW-7
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 8, MW-8
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



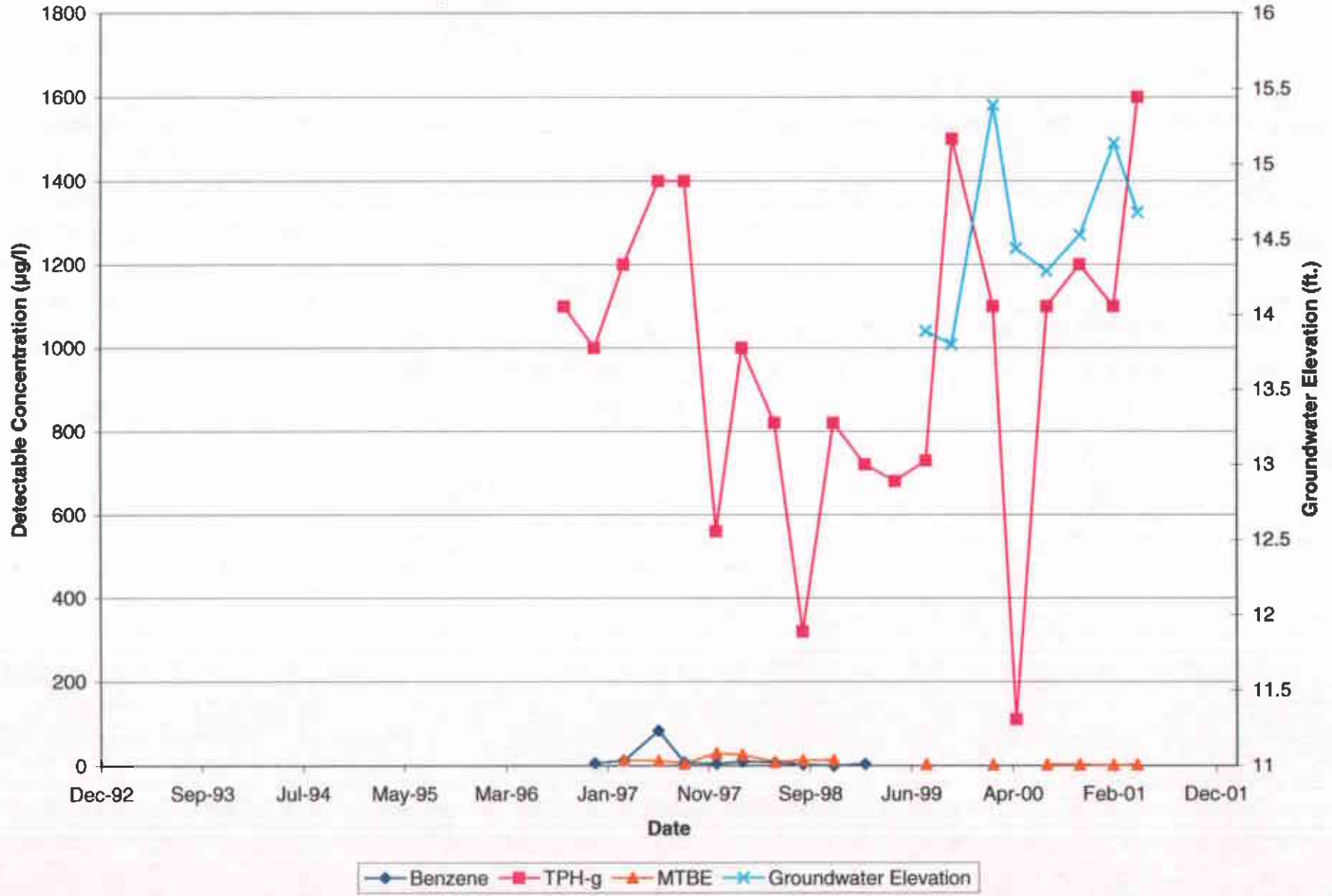
Graph 9, MW-9
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 10, EW-1
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Attachment 5

Laboratory Reports and Chain-of-Custody Documents

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-5
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-1
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL * ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	1.5
Percent Surrogate Recovery		81

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	310.
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.

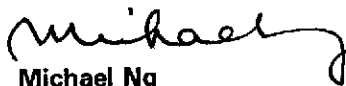
Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

MSD #2
23683-5.xls
MN/jdm/wj/hs/bm

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

FILE

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-5
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-1
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C12-C18)	100.	200.
Percent Surrogate Recovery		108

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by GC/MS Combination.


Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-5t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director



REPORT OF ANALYTICAL RESULTS

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-12
Collected: 04/27/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-2
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	0.6
Percent Surrogate Recovery		84

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.


Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

MSD #2
23683-12.xls
MN/jdm/wj/hs/bm

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-12
Collected: 04/27/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-2
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C16-C36)	100.	340.
Percent Surrogate Recovery		103

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by GC/MS Combination.

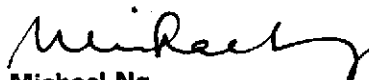
Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
2368312t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-9
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-3
Analyzed: 05/07/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	1.4
Percent Surrogate Recovery		89

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	4100.
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.


Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

MSD #2
23683-9.xls
MN/jdm/wj/hs/bm

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-9
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-3
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
-------------	--------------	------------------

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C16-C36)	5000.	110000.
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Percent Surrogate Recovery		***
----------------------------	--	-----

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

***Surrogate not detected due to dilution.

Note: Analyzed by GC/MS Combination.

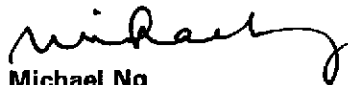
Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-9t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-7
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-4
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	2.8
Percent Surrogate Recovery		81

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

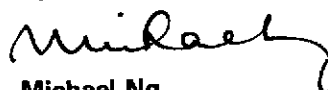
Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.



Michael Ng
Assistant Lab Director

MSD #2
23683-7.xls
MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-7
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-4
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	100.	ND
Percent Surrogate Recovery		118

ZyMaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

- Note: Analyzed by GC/MS Combination.
- Note: Extracted by EPA 3510 on 05/01/01.
- Note: Analytical range is C8-C40.
- Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-7t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZyMaX envirotechnology, inc.



Michael Ng
Assistant Lab Director

Client: Dave Bero
 The IT Group
 4005 Port Chicago Hwy
 Concord, CA 94520-1120

Lab Number: 23683-1
 Collected: 04/26/01
 Received: 04/27/01
 Matrix: Aqueous

Project: Sears / Telegraph #1058
 Project Number: 823291.03054300
 Collected by: Hector Merino

Sample Description:
 MW-5
 Analyzed: 05/04/01
 Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	2.4
Percent Surrogate Recovery		83

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

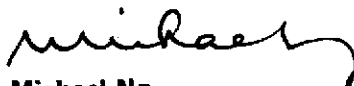
Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
 ZymaX envirotechnology, inc.



Michael Ng
 Assistant Lab Director

MSD #2
 23683-1.xls
 MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-1
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-5
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	100.	ND
Percent Surrogate Recovery		96

ZyMaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by GC/MS Combination.

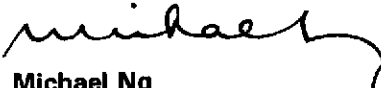
Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-1t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZyMaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
 The IT Group
 4005 Port Chicago Hwy
 Concord, CA 94520-1120

Lab Number: 23683-2
 Collected: 04/26/01
 Received: 04/27/01
 Matrix: Aqueous

Project: Sears / Telegraph #1058
 Project Number: 823291.03054300
 Collected by: Hector Merino

Sample Description:
 MW-6
 Analyzed: 05/04/01
 Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		90

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A


ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

- Note: Analyzed by EPA 8260 and GC/MS Combination.
- Note: Analytical range is C4-C12.
- Note: TPH quantitated against gasoline.
- Note: MTBE not included in TPH result.

Submitted by,
 ZymaX envirotechnology, inc.


 Michael Ng
 Assistant Lab Director

MSD #2
 23683-2.xls
 MN/jdm/wj/hs/bm



REPORT OF ANALYTICAL RESULTS

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-2
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
MW-6
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	100.	ND
Percent Surrogate Recovery		105

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

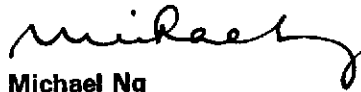
*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

- Note: Analyzed by GC/MS Combination.
- Note: Extracted by EPA 3510 on 05/01/01.
- Note: Analytical range is C8-C40.
- Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-2t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-3
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-7
Analyzed: 05/04/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		83

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZyMaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
ZyMaX envirotechnology, inc.



Michael Ng
Assistant Lab Director

MSD #2
23683-3.xls
MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-3
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-7
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	100.	ND
Percent Surrogate Recovery		98

ZyMaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

- Note: Analyzed by GC/MS Combination.
- Note: Extracted by EPA 3510 on 05/01/01.
- Note: Analytical range is C8-C40.
- Note: TPH quantitated against motor oil.

Submitted by,
ZyMaX envirotechnology, inc.



Michael Ng
Assistant Lab Director

SA2220
MSD #4
23683-3t.xls
MN/jdm/dz/yl/nl

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-4
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-8
Analyzed: 05/04/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		82

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

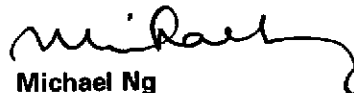
Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, Inc.


Michael Ng
Assistant Lab Director

MSD #2
23683-4.xls
MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-4
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-8
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C12-C40)	100.	ND
Percent Surrogate Recovery		104

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by GC/MS Combination.


Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-4t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: **Dave Bero**
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: **23683-6**
 Collected: **04/26/01**
 Received: **04/27/01**
 Matrix: **Aqueous**

Project: **Sears / Telegraph #1058**
 Project Number: **823291.03054300**
 Collected by: **Hector Merino**

Sample Description:
MW-9
 Analyzed: **05/05/01**
 Method: **See Below**

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	1.6
Percent Surrogate Recovery		88

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	150.
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.


Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
 ZymaX envirotechnology, inc.


 Michael Ng
 Assistant Lab Director

MSD #2
 23683-6.xls
 MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-6
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: MW-9
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C12-C40)	100.	ND
Percent Surrogate Recovery		102

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

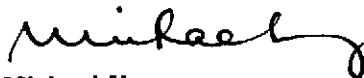
*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

- Note: Analyzed by GC/MS Combination.
- Note: Extracted by EPA 3510 on 05/01/01.
- Note: Analytical range is C8-C40.
- Note: TPH quantitated against motor oil.

SA2220
MSD #4
23683-6t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
 The IT Group
 4005 Port Chicago Hwy
 Concord, CA 94520-1120

Lab Number: 23683-10
 Collected: 04/26/01
 Received: 04/27/01
 Matrix: Aqueous

Project: Sears / Telegraph #1058
 Project Number: 823291.03054300
 Collected by: Hector Merino

Sample Description:
 EW-1
 Analyzed: 05/05/01
 Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	2.3
Percent Surrogate Recovery		95

TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons	50.	1600.
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

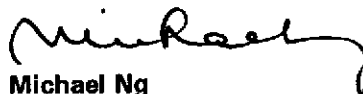
Note: Analyzed by EPA 8260 and GC/MS Combination.

Note: Analytical range is C4-C12.

Note: TPH quantitated against gasoline.

Note: MTBE not included in TPH result.

Submitted by,
 ZymaX envirotechnology, inc.



Michael Ng
 Assistant Lab Director

MSD #2
 23683-10.xls
 MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-10
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description: EW-1
Analyzed: 05/05/01
Method: See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
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TOTAL PETROLEUM HYDROCARBONS

Total Petroleum Hydrocarbons (C14-C36)	100.	6600.
Percent Surrogate Recovery		89

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by GC/MS Combination.

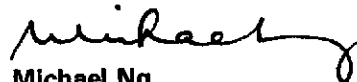
Note: Extracted by EPA 3510 on 05/01/01.

Note: Analytical range is C8-C40.

Note: TPH quantitated against motor oil.

SA2220
MSD #4
2368310t.xls
MN/jdm/dz/yl/nl

Submitted by,
ZymaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-11
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
DUP
Analyzed: 05/04/01
Method: EPA 8260

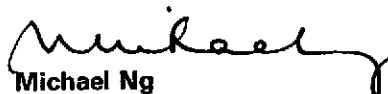
CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Percent Surrogate Recovery		84

ZyMaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZyMaX envirotechnology, inc.


Michael Ng
Assistant Lab Director

MSD #2
23683-11.xls
MN/jdm/wj/hs/bm

Client: Dave Bero
The IT Group
4005 Port Chicago Hwy
Concord, CA 94520-1120

Lab Number: 23683-8
Collected: 04/26/01
Received: 04/27/01
Matrix: Aqueous

Project: Sears / Telegraph #1058
Project Number: 823291.03054300
Collected by: Hector Merino

Sample Description:
TBLB
Analyzed: 05/04/01
Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Percent Surrogate Recovery		85

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.



Michael Ng
Assistant Lab Director

MSD #2
23683-8.xls
MN/jdm/wj/hs/bm

report to David Bero	phone 925 288-9898	fax 925 288-0888	ANALYSIS REQUESTED	Turnaround Time ASAP <input type="checkbox"/> 48 hr <input type="checkbox"/> 12 hr <input type="checkbox"/> 72 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> <input checked="" type="checkbox"/>
company IT Corp	project Scars Telegraph # 1058	project # 82 3291.03051300		
address 485 Portchicago Hwy Concord ca. 94520	sampler Hector Munoz			

Zymax use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	ANALYSIS REQUESTED										# of containers	Remarks			
23683-1	MW-5	4-26-01	10:28	GW	HEI NONE	X	X												3	Analyze For
-2	MW-6		11:15			X	X												3	BTEX/MTBE/TPH/G (EPA 8160 and GC/MS Combo)
-3	MW-7		10:00			X	X												3	
-4	MW-8		10:19			X	X												3	TPH - motor oil by GC/MS Combo
-5	MW-1		10:32			X	X												3	
-6	MW-9		10:59			X	X												3	
-7	MW-4		11:39			X	X												3	
-8	MW-2 TBLB																		3	
-9	MW-3		12:45			X	X												3	
-10	EW-1		12:18			X	X												3	
-11	Dup		11:39																1	BTEX (EPA 8260)

Comments **TBLB BTEX (EPA 8260)**

Relinquished by:
 Signature: [Signature]
 Print: Hector Munoz
 Company: IT Corp
 Date: 4-26-01 Time: _____

Received by:
 Signature: [Signature]
 Print: Frank Valdes
 Company: Zymax
 Date: (4-27-01) Time: 10:00

Sample integrity upon receipt:

Samples received intact	<input type="checkbox"/>
Samples received cold	<input type="checkbox"/>
Custody seals	<input type="checkbox"/>
Correct container types	<input type="checkbox"/>

Bill 3rd Party:

PO# _____
 Quote yes no

Relinquished by:
 Signature: _____
 Print: _____
 Company: _____
 Date: _____ Time: _____

Received by Zymax envirotechnology inc:
 Signature: _____
 Print: _____
 Company: _____
 Date: _____ Time: _____



71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

2366 Telegraph Avenue, Oakland

CHAIN OF CUSTODY

report to DAVID BERO	phone (975) 208-9898	fax (975) 788-0532	ANALYSIS REQUESTED					Turnaround Time	
company IT CORP	project Seors/Telegraph Ave #105B		TPH BTEX/MTBE/TPH/G					ASAP <input type="checkbox"/>	48 hr <input type="checkbox"/>
address 4005 Portchicago bwy	project # 823291 030504300							12 hr <input type="checkbox"/>	72 hr <input type="checkbox"/>
	sampler Hector Medina							24 hr <input type="checkbox"/>	etc <input checked="" type="checkbox"/>
address Conrad ca. 94520								# of containers	

Zymax use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve								Remarks
	23683-12 MW2	4-27-01	7:30	GW	Hel	X	X						

Comments TPH motor oil by GC/MS com bo BTEX/MTBE/TPH-G (82606) GC/MS (combo)	Relinquished by: Signature: <u>Hector Medina</u> Print: <u>Hector Medina</u> Company: <u>IT Corp</u> Date: <u>4/27/01</u> Time: <u>1300</u>	Received by: Signature: <u>[Signature]</u> Print: <u>RENK VARGAS</u> Company: <u>Zymax</u> Date: <u>4-20-01</u> Time: <u>03:00</u>
---	--	---

Sample integrity upon receipt: Samples received intact <input type="checkbox"/> Samples received cold <input type="checkbox"/> Custody seals <input type="checkbox"/> Correct container types <input type="checkbox"/>	Bill 3rd Party: PO# _____ Quote <input type="checkbox"/> yes <input type="checkbox"/> no	Relinquished by: Signature _____ Print _____ Company _____ Date _____ Time _____	Received by Zymax envirotechnology inc: Signature _____ Print _____ Company _____ Date _____ Time _____
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