



ENVIRONMENTAL PROTECTION

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RESPONDED TO VIZIACON

IT Corporation
4005 Port Chicago Highway
Concord, CA 94520-1120
Tel. 925.288.9898
Fax. 925.288.0888

A Member of The IT Group

shb
10/22

Transmittal Letter

Date: January 5, 2000
To: Mr. Amir Gholami
Company: Alameda County Health Care Services Agency – Environmental Health Services
Address: 1131 Harbor Bay Parkway, Ste. 250
City: Alameda State/Zip: CA 94502-6577

We are sending via:

- Courier U.S. Mail UPS Overnight Mail Other _____

The following:

- Report Shop Drawings Samples
 Proposal Specifications Other _____

Transmitted as checked:

- Approved For Approval Approved as Noted
 For Correction For Your Use As Requested
 For Comments For Your Records For Distribution

Comments:

Mr. Gholami -
Enclosed please find the Final Fourth Quarter Groundwater Monitoring and Sampling Report dated January 4, 2000 regarding Former Sears Store 1058, located at 2633 Telegraph Avenue in Oakland, CA. If you have any questions, please don't hesitate to contact me at (925) 288-2024.

Sincerely,
IT Corporation

David A. Bero FOR

David A. Bero
West Zone Project Manager

c: Scott DeMuth, Mgr – Environmental Technical Services; Sears, Roebuck and Co., Hoffman Estates, IL
Russ Zora, IT Central Files, Overland Park, KS
Project Files



ENVIRONMENTAL
PROTECTION

00 JAN -6 AM 9:53

IT Corporation

4005 Port Chicago Highway
Concord, CA 94520-1120
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STID
1082
RESP. MVS to
1/12/99

January 4, 2000

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

Subject: Fourth Quarter 1999, Groundwater Monitoring and Sampling Report
Former Sears Auto Center No. 1058, 2600 Telegraph Avenue, Oakland, California
IT Corporation Project 1176603

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 October 26, 1999. The ten groundwater monitoring wells were gauged to determine depth to groundwater and to check for the presence of separate-phase petroleum hydrocarbons. Separate-phase hydrocarbons were detected in monitoring well MW-3 only. A potentiometric surface map is provided in Attachment 1, Figure 1. Groundwater elevation data from monitoring wells MW-2 and MW-3 were considered anomalous and were not used in drawing the contours shown on the potentiometric surface map. A summary of historical water table elevation data is provided in Attachment 2, Table 1.

After measuring depth to water, five monitoring wells (MW-1, MW-4, MW-8, MW-9, and EW-1) were purged and sampled. Monitoring well MW-2 was not sampled because a car was parked over the well, and monitoring well MW-3 was not sampled due to the presence of separate-phase hydrocarbons. Previous analyses for dissolved hydrocarbons in monitoring well MW-3 indicate that the product is predominantly motor oil. Field data sheets and groundwater monitoring and sample collection protocol are provided in Attachment 3. The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and total extractable petroleum hydrocarbons as motor oil (TPH-mo) using Environmental Protection Agency (EPA) Method 8015 modified, and for methyl tert-butyl ether (MTBE) and dissolved benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8020. Confirmation analysis of MTBE was performed for samples collected from two wells using EPA Method 8260A.

Static groundwater levels for the fourth quarter 1999 ranged from 12.75 to 16.03 feet above mean sea level (an average of 12.16 feet below top of casing). Groundwater elevations have decreased by approximately 0.12 foot since third quarter 1999 (August 10, 1999). The apparent groundwater flow is to the south at an average hydraulic gradient of 0.017 foot per foot, which is consistent with previous quarterly data.

Benzene was not detected in the groundwater samples. MTBE was detected by confirmation analysis at a low concentration in monitoring wells MW-4 and MW-9. The MTBE detections were barely above the reporting limit of 2.0 micrograms per liter (ug/L). No MTBE was detected in any of the other samples. Monitoring wells MW-1, MW-8, MW-9, and EW-1 contained dissolved TPH-g, and monitoring wells MW-4 and EW-1 contained dissolved TPH-mo. A summary of the groundwater analytical results is provided in Attachment 2, Table 2. A distribution map of dissolved benzene, TPH-g, TPH-mo, and MTBE concentrations is provided in Attachment 1, 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 the thickness of separate-phase hydrocarbons in MW-3 has averaged less than 0.05 foot, and the lateral extent of the product is limited to the vicinity of MW-3; therefore, the volume of separate-phase hydrocarbons at the site is estimated to be small, less than 5 gallons. In a more aggressive attempt to remove the remaining separate-phase hydrocarbons from the vicinity of MW-3, periodic short-term use of a vacuum truck is being considered. The persistence of the thin layer of motor oil appears to be the only factor keeping this site from achieving closure. Concentrations of dissolved BTEX and MTBE have been virtually below detection limits in all site-related monitoring wells for several years.

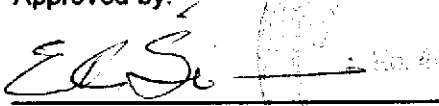
If you have any comments or questions, please contact David Bero at (925) 288-2024.

Sincerely,
IT CORPORATION
Submitted by:

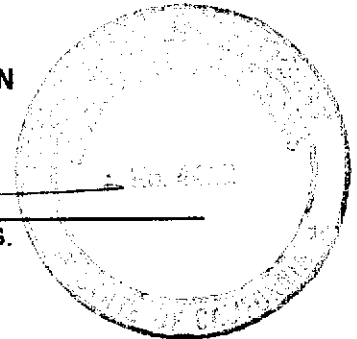


David A. Bero, P.G.
West Zone Project Manager

IT CORPORATION
Approved by:



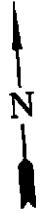
Ed K. Simonis, R.G.
Senior Geologist



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

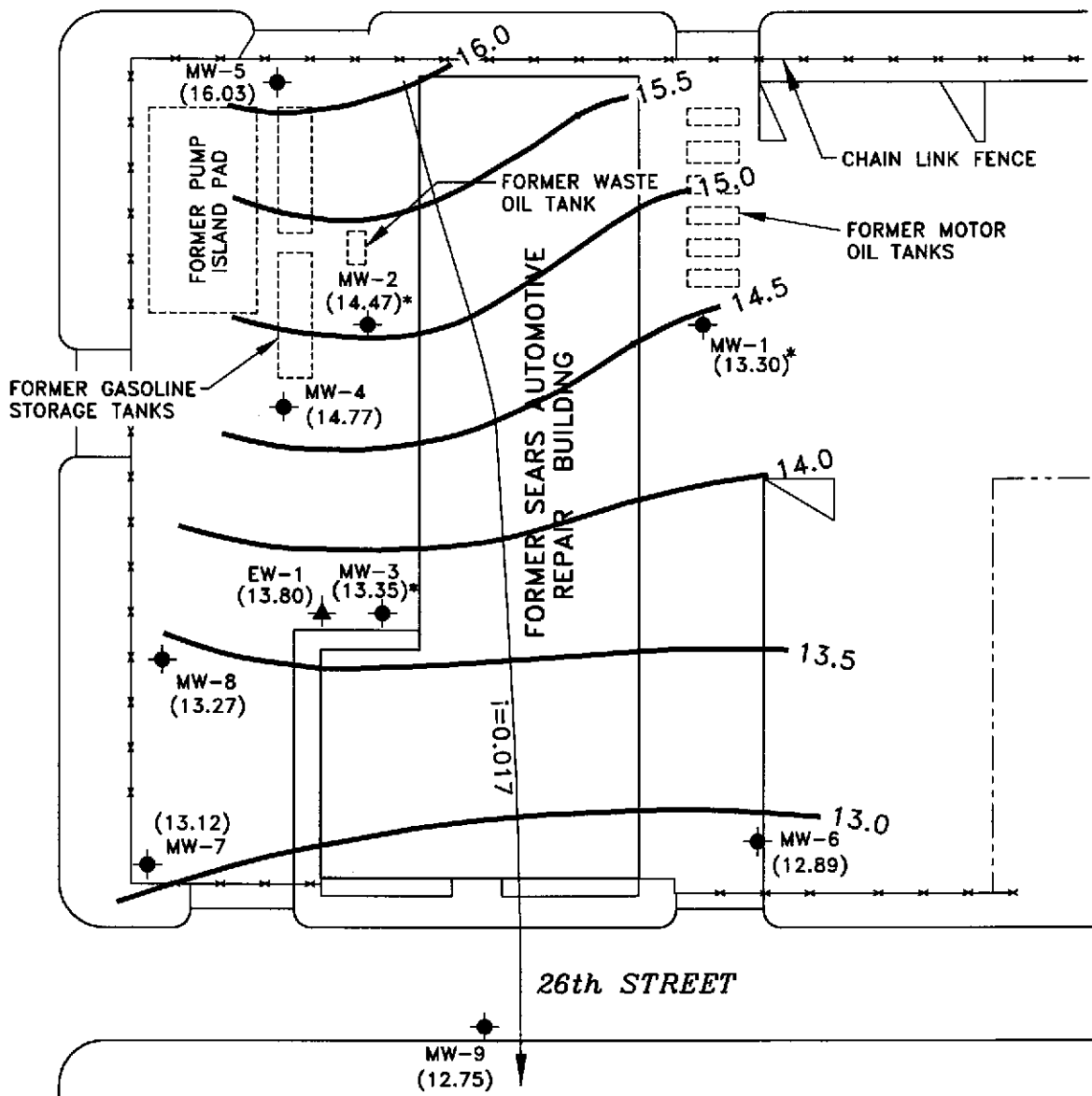


27th STREET

TELEGRAPH AVENUE

FORMER SEARS AUTOMOTIVE REPAIR BUILDING

26th STREET



LEGEND

- MONITORING WELL
- EXTRACTION WELL
- POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- ANOMALOUS DATA
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 ft
- GROUNDWATER FLOW DIRECTION AND AVERAGE GRADIENT

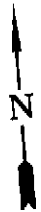


IT CORPORATION

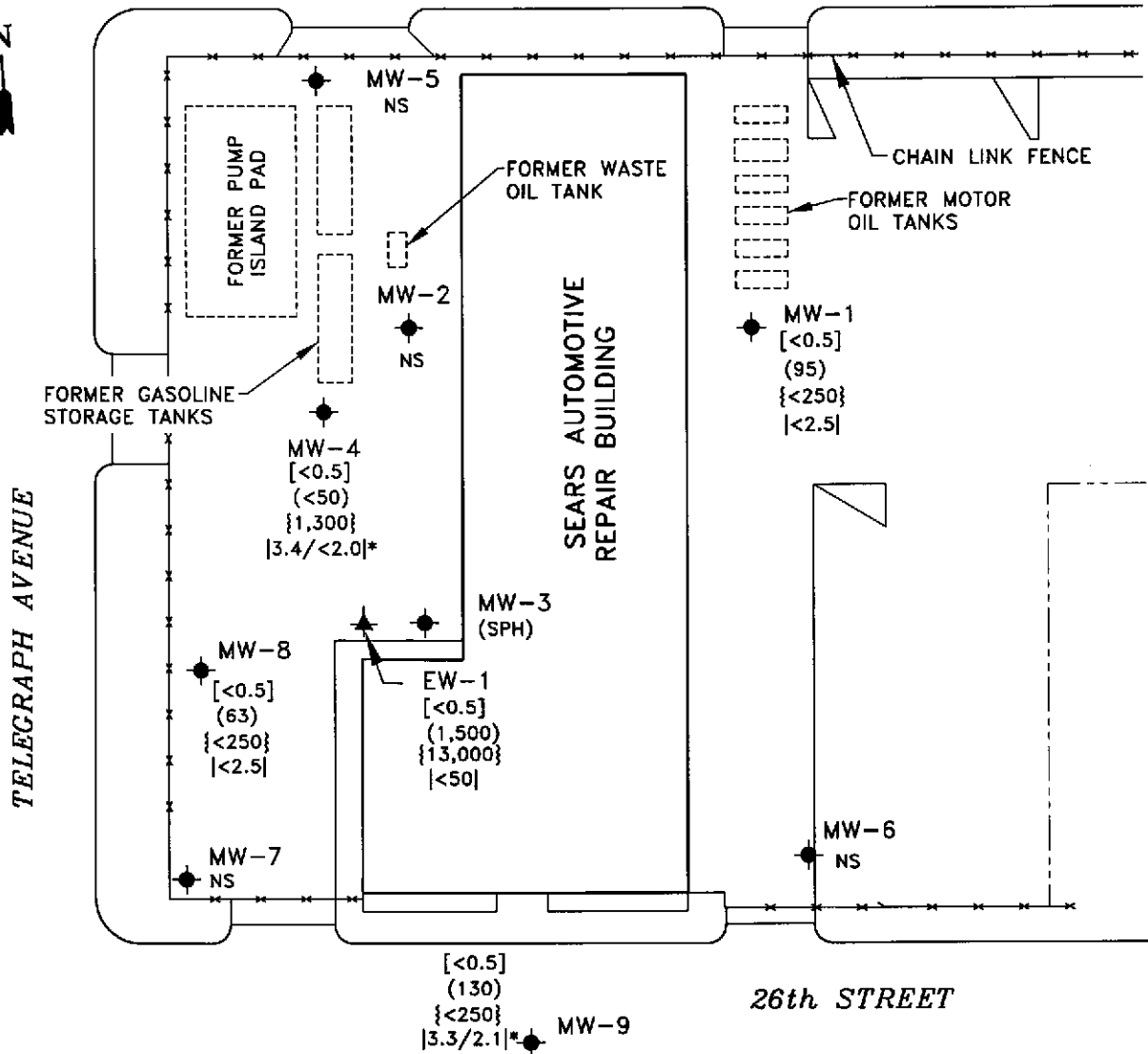


**POTENTIOMETRIC SURFACE MAP
(GAUGED 10/26/99)**

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: PSM1099	PROJECT NO.: 1176603	PM 	PE/RG EWS 4/19
	REV.	FIGURE: 1		
LOCATION: 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. DP	DET. RDB	DATE: 11/18/99	



27th 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]
- NS NOT SAMPLED
- * CONFIRMATION ANALYSIS BY EPA METHOD 8260



IT CORPORATION



CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE, TPH-AS-MOTOR OIL & MTBE IN GROUNDWATER SAMPLED (10/99)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: BENN1099	PROJECT NO.: 1176603	PM 	PE/RG
	REV.		FIGURE: 2	
LOCATION: 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. DP	DET. RDB	DATE: 11/24/99	

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	12/30/92	10.60	--	--	15.60
		02/26/93	10.14	--	--	16.06
		03/24/93	10.48	--	--	15.72
		04/27/93	11.30	--	--	14.90
		05/28/93	11.43	--	--	14.77
		06/21/93	11.71	--	--	14.49
		07/22/93	11.87	--	--	14.33
		08/13/93	11.94	--	--	14.26
		09/16/93	12.05	--	--	14.15
		10/22/93	12.00	--	--	14.20
		11/03/93	12.10	--	--	14.10
		11/24/93	11.97	--	--	14.23
		12/01/93	11.46	--	--	14.74
		12/27/93	11.58	--	--	14.62
		01/05/94	11.69	--	--	NM
		02/08/94	11.87	--	--	14.33
		03/09/94	11.08	--	--	15.12
		04/01/94	11.47	--	--	14.73
		05/10/94	10.77	--	--	15.43
		06/30/94	11.82	--	--	14.38
		07/28/94	11.90	--	--	14.30
		08/31/94	11.94	--	--	14.26
		09/27/94	12.04	--	--	14.16
		10/28/94	12.06	--	--	14.14
		11/15/94	10.02	--	--	16.18
		12/01/94	10.61	--	--	15.59
		01/04/95	9.93	--	--	16.27
		02/01/95	9.56	--	--	16.64
		03/08/95	10.51	--	--	15.69
		04/03/95	NM	NM	NA	NA
		05/18/95	10.80	--	--	15.40
		06/09/95	11.18	--	--	15.02
		07/13/95	11.27	--	--	14.93
		08/03/95	11.48	--	--	14.72
		08/29/95	11.56	--	--	14.64
		09/15/95	11.71	--	--	14.49
		10/20/95	11.80	--	--	14.40
		11/15/95	11.61	--	--	14.59
		01/15/96	11.21	--	--	14.99
		03/05/96	9.35	--	--	16.85
		04/19/96	10.60	--	--	15.60
		05/10/96	11.18	--	--	15.02
		06/03/96	10.90	--	--	15.30
		09/04/96	11.31	--	--	14.89
		12/02/96	10.61	--	--	15.59
		02/26/97	10.31	--	--	15.89
		06/09/97	11.25	--	--	14.95
		08/25/97	11.15	--	--	15.05
		11/28/97	10.07	--	--	16.13
		02/12/98	8.70	--	--	17.50

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 (cont'd)		05/20/98	10.89	--	--	15.31
		08/11/98	11.60	--	--	14.60
		11/10/98	11.10	--	--	15.10
		02/11/99	9.40	--	--	16.80
		05/11/99	11.05	--	--	15.15
		08/10/99	11.66	--	--	14.54
		10/26/99	12.90	--	--	13.30
MW-2	26.50	12/30/92	10.65			15.85
		02/26/93	10.56			15.94
		03/24/93	10.52			15.98
		04/27/93	11.17	--	--	15.33
		05/28/93	11.12	--	--	15.38
		06/21/93	11.41	--	--	15.09
		07/22/93	11.50	--	--	15.00
		08/13/93	11.54	--	--	14.96
		09/16/93	11.62	--	--	14.88
		10/22/93	11.57	--	--	14.93
		11/03/93	11.65	--	--	14.85
		11/24/93	11.52	--	--	14.98
		12/01/93	11.08	--	--	15.42
		12/27/93	11.27	--	--	15.23
		01/05/94	11.39	--	--	15.11
		02/08/94	11.49	--	--	15.01
		03/09/94	11.06	--	--	15.44
		04/01/94	11.25	--	--	15.25
		05/10/94	10.83	--	--	15.67
		06/30/94	11.44	--	--	15.06
		07/28/94	11.48	--	--	15.02
		08/31/94	11.56	--	--	14.94
		09/27/94	11.61	--	--	14.89
		10/28/94	11.65	--	--	14.85
		11/15/94	9.65	--	--	16.85
		12/01/94	10.71	--	--	15.79
		01/04/95	10.11	--	--	16.39
		02/01/95	10.38	--	--	16.12
		03/08/95	10.80	--	--	15.70
		04/03/95	10.61	--	--	15.89
		05/18/95	10.95	--	--	15.55
06/09/95	11.13	--	--	15.37		
07/13/95	11.15	--	--	15.35		
08/03/95	11.26	--	--	15.24		
08/29/95	11.32	--	--	15.18		
09/15/95	11.42	--	--	15.08		
10/20/95	11.42	--	--	15.08		
11/15/95	11.37	--	--	15.13		
01/15/96	11.10	--	--	15.40		
03/05/96	10.24	--	--	16.26		
04/19/96	10.84	--	--	15.66		
05/10/96	11.13	--	--	15.37		
06/03/96	10.94	--	--	15.56		
09/04/96	11.24	--	--	15.26		

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 (cont'd)		12/02/96	10.80	--	--	15.70
		02/26/97	10.70	--	--	15.80
		06/09/97	11.10	--	--	15.40
		08/25/97	11.05	--	--	15.45
		11/28/97	10.59	--	--	15.91
		02/12/98	10.04	--	--	16.46
		05/20/98	10.84	--	--	15.66
		08/11/98	11.56	--	--	14.94
		11/10/98	11.02	--	--	15.48
		02/11/99	10.17	--	--	16.33
		05/11/99	10.96	--	--	15.54
		08/10/99	11.27	--	--	15.23
		10/26/99	12.03	--	--	14.47
MW-3	26.34	12/30/92	12.43	--	--	13.91
		02/26/93	12.21	--	--	14.13
		03/24/93	12.36	--	--	13.98
		04/27/93	12.70	--	--	13.64
		05/28/93	12.72	--	--	13.62
		06/21/93	12.87	--	--	13.47
		07/22/93	12.92	--	--	13.42
		08/13/93	12.96	--	--	13.38
		09/16/93	13.01	12.97	0.04	13.33
		10/22/93	NM	12.96	NA	NA
		11/03/93	13.13	13.02	0.11	13.21
		11/24/93	12.94	12.92	0.02	13.40
		12/01/93	12.71	12.69	0.02	13.63
		12/27/93	12.77	12.73	0.04	13.57
		01/05/94	12.85	12.83	0.02	13.49
		02/08/94	12.37	--	--	13.97
		03/09/94	12.53	--	--	13.81
		04/01/94	12.64	--	--	13.70
		05/10/94	12.32	--	--	14.02
		06/30/94	12.84	12.82	0.02	13.50
		07/28/94	12.93	12.89	0.04	13.41
		08/31/94	13.04	13.01	0.03	13.30
		09/27/94	13.13	13.02	0.11	13.21
		10/28/94	13.30	13.08	0.22	13.04
		11/15/94	11.05	11.02	0.03	15.29
		12/01/94	11.90	11.88	0.02	14.44
		01/04/95	11.80	11.76	0.01	14.54
		02/01/95	12.00	11.98	0.02	14.34
		03/08/95	12.35	12.30	0.05	13.99
		04/03/95	12.09	12.05	0.04	14.25
		05/18/95	12.43	12.40	0.03	13.91
06/09/95	12.60	12.58	0.02	13.74		
07/13/95	12.55	12.46	0.09	13.79		
08/03/95	12.64	12.61	0.03	13.70		
08/29/95	12.65	12.62	0.03	13.69		
09/15/95	13.00	12.86	0.14	13.34		
10/20/95	12.86	12.03	0.03	13.48		
11/15/95	12.81	12.74	0.07	13.53		

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-3 (cont'd)		01/15/96	12.60	12.47	0.13	13.74
		03/05/96	11.68	11.64	0.04	14.66
		04/19/96	12.36	12.34	0.02	13.98
		05/10/96	11.93	11.91	0.02	14.41
		06/03/96	12.93	12.50	0.43	13.41
		09/04/96	12.60	12.55	0.05	13.74
		12/02/96	12.11	12.00	0.03	14.23
		02/26/97	12.03	12.02	0.01	14.31
		06/09/97	12.39	12.35	0.04	13.95
		08/25/97	12.28	12.25	0.03	14.06
		11/28/97	12.13	12.10	0.03	14.21
		02/12/98	11.85	11.82	0.03	14.49
		05/20/98	12.51	12.48	0.03	13.83
		08/11/98	12.97	12.79	0.18	13.37
		11/10/98	12.54	12.51	0.03	13.80
		02/11/99	11.75	11.73	0.02	14.59
		05/11/99	12.52	-	-	13.82
08/10/99	13.50	13.36	0.14	12.84		
10/26/99	13.01	12.98	0.03	13.35		
MW-4	26.17	12/30/92	11.53	-	Sheen	14.64
		02/26/93	11.35	-	-	14.82
		03/24/93	11.46	-	-	14.71
		04/27/93	11.74	-	-	14.43
		05/28/93	11.77	-	-	14.40
		06/21/93	11.92	-	-	14.25
		07/22/93	11.95	-	-	14.22
		08/13/93	12.01	-	-	14.16
		09/16/93	12.08	-	-	14.09
		10/22/93	12.03	-	-	14.14
		11/03/93	12.10	-	-	14.07
		11/24/93	12.02	-	-	14.15
		12/01/93	11.78	-	-	14.39
		12/27/93	11.80	-	-	14.37
		01/05/94	11.91	-	-	14.26
		02/08/94	11.85	-	-	14.32
		03/09/94	11.61	-	-	14.56
		04/01/94	11.73	-	-	14.44
		05/10/94	11.49	-	-	14.68
		06/30/94	11.90	-	-	14.27
		07/28/94	11.97	-	-	14.20
		08/31/94	12.06	-	-	14.11
		09/27/94	12.11	-	-	14.06
10/28/94	12.18	-	-	13.99		
11/15/94	10.72	-	-	15.45		
12/01/94	11.37	-	-	14.80		
01/04/95	11.20	-	-	14.97		
02/01/95	11.16	-	-	15.01		
03/08/95	11.49	-	-	14.68		
04/03/95	11.35	-	-	14.82		
05/18/95	11.56	-	-	14.61		
06/09/95	11.72	-	-	14.45		

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 (cont'd)		07/13/95	11.72	-	-	14.45
		08/03/95	11.81	-	-	14.36
		08/29/95	11.88	-	-	14.29
		09/15/95	11.99	-	-	14.18
		10/20/95	12.00	-	-	14.17
		11/15/95	11.96	-	-	14.21
		01/15/96	11.71	-	-	14.46
		03/05/96	11.02	-	-	15.15
		04/19/96	11.51	-	-	14.66
		05/10/96	11.74	-	-	14.43
		06/03/96	11.60	-	-	14.57
		09/04/96	11.85	-	-	14.32
		12/02/96	11.45	-	-	14.72
		02/26/97	11.42	-	-	14.75
		06/09/97	11.70	-	-	14.47
		08/25/97	11.63	-	-	14.54
		11/28/97	11.27	-	-	14.90
		02/12/98	11.00	-	-	15.17
		05/20/98	11.62	-	-	14.55
		08/11/98	11.90	-	-	14.27
11/10/98	11.65	-	-	14.52		
02/11/99	10.87	-	-	15.30		
05/11/99	11.66	-	-	14.51		
08/10/99	11.95	-	-	14.22		
10/26/99	11.40	-	-	14.77		
MW-5	26.98	12/30/92	10.50	-	-	16.48
		02/26/93	10.12	-	-	16.86
		03/24/93	10.31	-	-	16.67
		04/27/93	10.75	-	-	16.23
		05/28/93	10.80	-	-	16.18
		06/21/93	10.94	-	-	16.04
		07/22/93	11.01	-	-	15.97
		08/13/93	11.07	-	-	15.91
		09/16/93	11.18	-	-	15.80
		10/22/93	11.19	-	-	15.79
		11/03/93	11.23	-	-	15.75
		11/24/93	12.00	-	-	14.98
		12/01/93	10.84	-	-	16.14
		12/27/93	10.81	-	-	16.17
		01/05/94	10.96	-	-	16.02
		02/08/94	10.94	-	-	16.04
		03/09/94	10.54	-	-	16.44
		04/01/94	10.77	-	-	16.21
		05/10/94	10.44	-	-	16.54
		06/30/94	10.88	-	-	16.10
07/28/94	10.98	-	-	16.00		
08/31/94	11.07	-	-	15.91		
09/27/94	11.12	-	-	15.86		
10/28/94	11.21	-	-	15.77		
11/15/94	10.05	-	-	16.93		
12/01/94	10.39	-	-	16.59		

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 (cont'd)		01/04/95	10.18	—	—	16.80
		02/01/95	9.93	—	—	17.05
		03/08/95	10.35	—	—	16.63
		04/03/95	10.15	—	—	16.83
		05/18/95	10.43	—	—	16.55
		06/09/95	10.62	—	—	16.36
		07/13/95	10.76	—	—	16.22
		08/03/95	10.82	—	—	16.16
		08/29/95	10.91	—	—	16.07
		09/15/95	11.00	—	—	15.98
		10/20/95	11.02	—	—	15.96
		11/15/95	11.95	—	—	15.03
		01/15/96	10.57	—	—	16.41
		03/05/96	9.81	—	—	17.17
		04/19/96	10.32	—	—	16.66
		05/10/96	10.56	—	—	16.42
		06/03/96	10.46	—	—	16.52
		09/04/96	10.86	—	—	16.12
		12/02/96	10.45	—	—	16.53
		02/26/97	10.38	—	—	16.60
		06/09/97	10.78	—	—	16.20
		08/25/97	10.69	—	—	16.29
		11/28/97	10.15	—	—	16.83
02/12/98	9.55	—	—	17.43		
05/20/98	10.29	—	—	16.69		
08/11/98	10.67	—	—	16.31		
11/10/98	10.59	—	—	16.39		
02/11/99	9.75	—	—	17.23		
05/11/99	10.38	—	—	16.60		
08/10/99	10.77	—	—	16.21		
10/26/99	10.95	—	—	16.03		
MW-6	24.32	12/27/93	11.24	—	—	13.08
		01/05/94	11.39	—	—	12.93
		02/08/94	11.15	—	—	13.17
		03/09/94	10.97	—	—	13.35
		04/01/94	11.25	—	—	13.07
		05/10/94	10.78	—	—	13.54
		06/30/94	11.49	—	—	12.83
		07/28/94	11.59	—	—	12.73
		08/31/94	11.56	—	—	12.76
		09/27/94	11.65	—	—	12.67
		10/28/94	11.59	—	—	12.73
		11/15/94	10.24	—	—	14.08
		12/01/94	10.30	—	—	14.02
		01/04/95	9.81	—	—	14.51
		02/01/95	10.01	—	—	14.31
		03/08/95	10.64	—	—	13.68
		04/03/95	10.26	—	—	14.06
		05/18/95	10.81	—	—	13.51
		06/09/95	11.07	—	—	13.25
		07/13/95	10.91	—	—	13.41

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 (cont'd)		08/03/95	11.15	--	--	13.17
		08/29/95	11.09	--	--	13.23
		09/15/95	11.35	--	--	12.97
		10/20/95	11.32	--	--	13.00
		11/15/95	11.20	--	--	13.12
		01/15/96	10.83	--	--	13.49
		03/05/96	9.60	--	--	14.72
		04/19/96	10.71	--	--	13.61
		05/10/96	11.05	--	--	13.27
		06/03/96	10.91	--	--	13.41
		09/04/96	10.84	--	--	13.48
		12/02/96	10.46	--	--	13.86
		02/26/97	10.46	--	--	13.86
		06/09/97	10.90	--	--	13.42
		08/25/97	10.84	--	--	13.48
		11/28/97	10.07	--	--	14.25
		02/12/98	9.39	--	--	14.93
		05/20/98	10.85	--	--	13.47
		08/11/98	11.21	--	--	13.11
		11/10/98	10.82	--	--	13.50
02/11/99	9.39	--	--	14.93		
05/11/99	10.84	--	--	13.48		
08/10/99	11.28	--	--	13.04		
10/26/99	11.43	--	--	12.89		
MW-7	24.88	12/27/93	11.80	--	--	13.08
		01/05/94	11.53	--	--	13.35
		02/08/94	11.90	--	--	12.98
		03/09/94	11.23	--	--	13.65
		04/01/94	11.34	--	--	13.54
		05/10/94	11.02	--	--	13.86
		06/30/94	11.49	--	--	13.39
		07/28/94	11.58	--	--	13.30
		08/31/94	11.69	--	--	13.19
		09/27/94	11.73	--	--	13.15
		10/28/94	11.77	--	--	13.11
		11/15/94	10.29	--	--	14.59
		12/01/94	10.89	--	--	13.99
		01/04/95	10.77	--	--	14.11
		02/01/95	10.70	--	--	14.18
		03/08/95	11.05	--	--	13.83
		04/03/95	10.88	--	--	14.00
		05/18/95	11.12	--	--	13.76
		06/09/95	11.25	--	--	13.63
		07/13/95	11.15	--	--	13.73
		08/03/95	11.32	--	--	13.56
		08/29/95	11.53	--	--	13.35
		09/15/95	11.65	--	--	13.23
10/20/95	11.64	--	--	13.24		
11/15/95	11.60	--	--	13.28		
01/15/96	11.07	--	--	13.81		
03/05/96	10.50	--	--	14.38		

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 cont'd		04/19/96	12.02	--	--	12.86
		05/10/96	11.14	--	--	13.74
		06/03/96	11.10	--	--	13.78
		09/04/96	11.45	--	--	13.43
		12/02/96	10.96	--	--	13.92
		02/26/97	11.02	--	--	13.86
		06/09/97	11.34	--	--	13.54
		08/25/97	11.25	--	--	13.63
		11/28/97	10.69	--	--	14.19
		02/12/98	10.11	--	--	14.77
		05/20/98	11.20	--	--	13.68
		08/11/98	11.55	--	--	13.33
		11/10/98	11.21	--	--	13.67
		02/11/99	10.27	--	--	14.61
05/11/99	11.25	--	--	13.63		
08/10/99	11.65	--	--	13.23		
10/26/99	11.76	--	--	13.12		
MW-8	26.12	12/27/93	12.45	--	--	13.67
		01/05/94	12.57	--	--	13.55
		02/08/94	12.02	--	--	14.10
		03/09/94	12.22	--	--	13.90
		04/01/94	12.33	--	--	13.79
		05/10/94	12.00	--	--	14.12
		06/30/94	12.52	--	--	13.60
		07/28/94	12.61	--	--	13.51
		08/31/94	12.72	--	--	13.40
		09/27/94	12.80	--	--	13.32
		10/28/94	12.84	--	--	13.28
		11/15/94	11.72	--	--	14.40
		12/01/94	11.87	--	--	14.25
		01/04/95	11.75	--	--	14.37
		02/01/95	11.64	--	--	14.48
		03/08/95	12.04	--	--	14.08
		04/03/95	11.86	--	--	14.26
		05/18/95	12.11	--	--	14.01
		06/09/95	12.34	--	--	13.78
		07/13/95	12.37	--	--	13.75
		08/03/95	12.50	--	--	13.62
		08/29/95	12.55	--	--	13.57
		09/15/95	12.70	--	--	13.42
		10/20/95	12.69	--	--	13.43
		11/15/95	12.67	--	--	13.45
		12/11/95	11.80	--	--	14.32
		01/15/96	12.38	--	--	13.74
03/05/96	11.44	--	--	14.68		
04/19/96	10.80	--	--	15.32		
05/10/96	12.40	--	--	13.72		
06/03/96	12.26	--	--	13.86		
09/04/96	12.51	--	--	13.61		
12/02/96	11.99	--	--	14.13		
02/26/97	11.98	--	--	14.14		

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 cont'd		06/09/97	12.36	--	--	13.76
		08/25/97	12.25	--	--	13.87
		11/28/97	11.70	--	--	14.42
		02/12/98	11.34	--	--	14.78
		05/20/98	12.21	--	--	13.91
		08/11/98	12.60	--	--	13.52
		11/10/98	12.26	--	--	13.86
		02/11/99	11.00	--	--	15.12
		05/11/99	12.29	--	--	13.83
		08/10/99	12.72	--	--	13.40
		10/26/99	12.85	--	--	13.27
MW-9		12/02/96	11.52	--	--	N/A
		02/26/97	11.55	--	--	N/A
		06/09/97	11.91	--	--	N/A
		08/25/97	11.80	--	--	N/A
		11/28/97	11.15	--	--	N/A
		02/12/98	10.63	--	--	N/A
		05/20/98	11.73	--	--	N/A
		08/11/98	12.15	--	--	N/A
		11/10/98	11.81	--	--	N/A
		02/11/99	10.66	--	--	N/A
	25.03*	05/11/99	11.69	--	--	N/A
08/10/99	12.67	--	--	12.36		
10/26/99	12.28	--	--	12.75		
EW-1		12/02/96	12.17	--	--	N/A
		02/26/97	12.13	--	--	N/A
		06/09/97	12.46	--	--	N/A
		08/25/97	12.35	--	--	N/A
		11/28/97	12.12	--	--	N/A
		02/12/98	11.83	--	--	N/A
		05/20/98	12.51	--	--	N/A
		08/11/98	12.85	--	--	N/A
		11/10/98	12.55	--	--	N/A
		02/11/99	11.66	--	--	N/A
	26.80*	05/11/99	12.56	--	--	N/A
08/10/99	12.91	--	--	13.89		
10/26/99	13.00	--	--	13.80		

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 6, 1999

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	--	^e <250	--	--	--
	12/01/94	0.4	0.4	<0.3	6.6	--	^e <250	--	--	--
	03/08/95	<0.3	0.6	4.7	2.7	--	^e <250	--	--	--
	06/09/95	<0.3	1.4	3.9	5.6	--	^e <250	--	--	--
	08/29/95	0.3	0.9	<0.5	2.8	--	^e <250	--	--	--
	11/15/95	<0.5	<0.5	<1.0	27	--	^e <200	--	--	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	--	^e <200	--	--	--
	06/03/96	<0.5	<1.0	3.7	3.4	340	^e <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	^e <200	--	--	--
	02/26/97	<0.5	<1.0	<1.0	4.5	390	^e <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	--	--	<5
	11/28/97	<0.5	<0.5	<0.5	3	340	<200	--	--	6
	02/12/98	<0.5	<0.5	<0.5	<2.0	280	<200	--	--	<5
	05/20/98	<0.5	<0.5	0.8	3	340	<200	--	--	<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	
MW-2	12/30/92	0.7	<0.3	<0.3	3	190	--	1	^a ND	--
	03/24/93	0.6	<0.3	<0.3	2	120	--	<1	^a ND	--
	06/21/93	0.3	<0.3	<0.3	0.7	82	**<100	--	^c ND	--
	09/16/93	<0.3	<0.3	<0.3	<0.5	28	**<100	--	^c ND	--
	12/01/93	<0.3	<0.3	<0.3	1	68	--	--	^c 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	^e <250	--	^d 15	--
	12/01/94	<0.3	<0.3	<0.3	<0.5	54	^f 1,300	--	^g 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	--	^h 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 cont	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	
MW-3	12/30/92	11	0.9	<0.3	2	910	SPH	20	^a ND	--
	03/24/93	28	0.7	1	8	3,300	SPH	28	^a 15	--
	06/21/93	21	5	2	19	^{**} 2,600	32,000	26	^{cd} 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	^a 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	6	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	--	
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	530	59,000	--	--	<2.0	
08/10/99	<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	
MW-4	12/30/92	2	<0.3	1	<0.5	1,200	--	<1	^a ND	--
	03/24/93	<0.3	<0.3	<0.3	<0.5	750	--	2	^a 7	--
	06/21/93	<0.3	2	<0.3	0.5	660	19,000	--	^a ND	--
	09/16/93	0.3	<0.3	2	3	410	2,500	--	^a 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 cont	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	--	^a <5	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	360	1,000	--	^a <5	--
	06/09/95	<0.3	0.4	<0.3	<0.5	64	1,100	--	^a <5	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	1,200	--	^a <5	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	2,100	--	^a ND	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	<100	590	--	^a 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	
MW-5	12/30/92	<0.3	<0.3	<0.3	<0.5	37	--	<1	^b c5	--
	03/24/93	<0.3	<0.3	<0.3	0.5	19	--	2	* ^c 341	--
	06/21/93	<0.3	<0.3	<0.3	<0.5	<10	<100	--	^c ND	--
	09/16/93	0.3	<0.3	<0.3	1	<10	<100	--	^c ND	--
	12/01/93	<0.3	<0.3	<0.3	1	17	--	--	^c ND	--
	12/30/93	--	--	--	--	--	<100	--	--	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	22	<100	--	^c 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	--	^d 7	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	^h 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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 (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-5 cont	02/12/98	<0.5	<0.5	<0.5	<0.5	<50	<200	Y	--	<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
MW-6	12/27/93	<0.3	<0.3	<0.3	<0.5	<10	<100	<1	^a 70	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	15	<100	--	^c ND	--
	06/30/94	<0.3	<0.3	<0.3	<0.5	<10	<100	--	^d ND	--
	09/27/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	^e 8	--
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	^g 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	--	^h 24	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	ⁱ 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
	02/26/97	<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	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	
MW-7	12/27/93	<0.3	<0.3	1	2	140	<100	<1	^a 40	--
	03/09/94	<0.3	<1.0	1.5	4.1	620	<100	--	^c 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	^e <250	--	ND	--
	12/01/94	<0.3	<0.3	<0.3	1.1	<10	^e <250	--	^g 28	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	^e <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	--	^h 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	

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-7 cont	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	
MW-8	12/27/93	0.4	4	0.4	1	390	<100	<1	^a 18	--
	03/09/94	0.6	0.8	0.5	1.5	420	<100	--	^a 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	^e <250	--	^g	--
	12/01/94	5.4	<0.3	0.7	1.3	230	^e <250	--	^c ND	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	230	^e <250	--	ND	--
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	^e <250	--	ND	--
	08/29/95	0.9	0.4	<0.3	0.8	200	^e <250	--	^h 15	--
	11/15/95	0.58	<0.5	<0.5	0.54	120	--	--	^g 21	--
	12/11/95	--	--	--	--	--	^e <200	--	--	--
	03/05/96	0.6	<1.0	<1.0	<2.0	<100	^e <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	59	<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	
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 cont	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
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
	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

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 Tert-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, xylene, 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 and are placed in the insulated cooler and accompany the field samples throughout the sampling event.

SITE VISIT FORM
Fluor Daniel GTI - Martinez, California

Project: 1176603.00
Site: SEARS/#1058/Oakland, CA
Project Mgr: Melissa Gossell

Technician: *H. Merino*
Scheduled: 10/25/99
Site Mgr:

PREPARATORY COMMENTS

Visit Date: 10/26/99 9:30 Arrival Time: 9:30 Departure Time: 13:00

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

Called PM? Y/N Time: Y Who: M.G. Topic: BOTTLE AMOUNT, DATES

Are You In Possession of a Site Safety Plan? Y/N

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

Job # and task #

GROUNDWATER SAMPLING - Task Nr: 03054300 [Quarterly]

SITE ADDRESS: 2633 Telegraph Avenue, Oakland, CA

cc: Melissa Gossell, Dave Poley

Notify Anir Gholami 72 hrs in advance (510) 567-6786 DONE: 10/21/99 *@ 3:45 left message*

During any sampling activities, a minimum work zone will be defined by a 10ft by 10ft 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.

BRING 9/16 BOLTS FOR ALL 8 WELLS. Need three (3) new drums for this site.

1. MARCH(1st)/AUG(3rd): Monitor and sample all wells (MW-1 through MW-9 and EW-1) in the following order: MW-5, MW-1, MW-6, MW-7, MW-8, MW-4, MW-2, MW-9, MW-3 and the extraction well (EW-1) located next to MW-3. USE DISPOSABLE BAILERS.

JUNE(2nd)/DEC(4th): Monitor all wells (MW-1 through MW-9, and EW-1). Sample seven (7) wells in the following order: MW-9, MW-1, MW-8, MW-2, MW-4, MW-3 and EW-1. USE DISPOSABLE BAILERS. Collect six (6) 40ml, HCL-preserved VOAs from all wells.

2. Record DTW, DTP, pH, Conductivity, temperature and dissolved oxygen.

NOTE: Recharge DTW.

SITE VISIT FORM
Fluor Daniel GTI - Martinez, California

Project: 1176603.00
 Site: SEARS/#1058/Oakland, CA
 Project Mgr: Melissa Gossell

Technician: *J. Merino*
 Scheduled: 10/25/99
 Site Mgr:

GROUNDWATER SAMPLING (Continued) - Task Nr: 03054300 [Quarterly]

3. Collect one trip blank and one duplicate (from MW-4 and submit for BTEX-8020 only.

4. Complete detailed drum count. Check with owner if drums can be left in corner. Label drums properly (Non Haz).

. Submit samples to Sequoia Analytical in Walnut Creek, CA ph# (925) 988-9600. To be analyzed for BTEX/TPH-G (EPA 8020/8015), ~~MTBE/TAME/~~ ~~DIPE/ETBE/TBA/EDB/EDC~~ (Oxygenates EPA 8260) and TPH Motor Oil (EPA 8015). ~~NOTE ON CGC: (MTBE DETECTIONS IN 8020 NEED CONFIRMATION BY 8260, PLEASE RUN AS NEEDED)~~

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

7. Record hours used on-site as well as travel time used.

HOURS ESTIMATED FOR MARCH/AUG 6.0

JUNE/DEC 5.0

Hours Estimated

6.00

Hours Used

FINAL CHECKS

SITE SECURITY: well/covers/gates... secure? Y/N-If No, Explain

WASTE COMPLIANCE: # of Drums w/: Water___, Soil___, Empty___, Other___

DRUMS labeled? NA/Y/N Gen. Date:_____ Label Type:_____

SOIL pile? Y/N size:_____cu.yds. SITE LEFT CLEAN? Y/N

SITE VISIT FORM
Fluor Daniel GTI - Martinez, California

Project: 1176603.00
 Site: SEARS/#1058/Oakland, CA
 Project Mgr: Melissa Gossell

Technician:
 Scheduled: 10/25/99
 Site Mgr:

TECHNICIAN'S COMMENTS

Total Hours Estimated	6.00	Total Hours Used	4.50
Travel Time Estimated	1.50	Travel Time Used	2.50

TOTAL

7.00

D. Marino
 Technician

SITE VISIT FORM
IT Corporation

Project: Sears/#1058/Oakland
Store #: 1058/2633 Telegraph
Project Manager: Melissa Gossell

Technician: A. Merino
Schedule: 10/26
Job No. 1176603.03054300

WELL WATER SAMPLING - TASK Nr: 03054300 [QUARTERLY]
Gauge wells for volume of water & bail 3 well Vol.s. DECON
PREPARATORY COMMENTS

Visit Date: 10/26/99 Arrival Time: 9:30 Departure Time: _____

Called Project Manager? YES NO Time: 10:00am Who: M.G.

If you did not call, why not? _____

Weather: Rain Snow Sunny Cloudy Temperature: 65°

Well ID

MW-1:	DTB 21.72	DTW <u>12.90</u>	SAT. THICK _____	#GAL. BAILED _____	<u>D.O</u> <u>0.4</u>
MW-2:	DTB 21.79	DTW <u>12.03</u>	SAT. THICK _____	#GAL. BAILED _____	
MW-3:	DTB 24.67	DTW <u>13.01</u>	SAT. THICK _____	#GAL. BAILED _____	<u>PT = 0.03</u>
MW-4:	DTB 22.97	DTW <u>11.40</u>	SAT. THICK _____	#GAL. BAILED _____	
MW-5:	DTB 25.27	DTW <u>10.95</u>	SAT. THICK _____	#GAL. BAILED _____	
MW-6:	DTB 22.05	DTW <u>11.43</u>	SAT. THICK _____	#GAL. BAILED _____	
MW-7:	DTB 21.70	DTW <u>11.76</u>	SAT. THICK _____	#GAL. BAILED _____	
MW-8:	DTB 22.14	DTW <u>12.85</u>	SAT. THICK _____	#GAL. BAILED _____	<u>.5</u>
MW-9:	DTB 20.30	DTW <u>12.28</u>	SAT. THICK _____	#GAL. BAILED _____	<u>.3</u>
EW-1:	DTB 22.30	DTW <u>13.00</u>	SAT. THICK _____	#GAL. BAILED _____	

NOTES: DID NOT SAMPLE FOR OXYGENATES AS PER
Melissa Gossel. WROTE WRONG DATE ON C.O.C.
CAR ON MW2, ABLE TO CRAWL UNDER CAR FOR DTW
UNABLE TO PUMP OR SAMPLE. MW3 HAS BSP. NO SAMPLE.

HOURS ESTIMATED: _____

HOURS USED: 7 TOTAL

FINAL CHECKS

Are Wells Locked? YES NO Why Not?

Are Manholes Bolted Down? YES NO Why Not?

SITE VISIT FORM
IT Corporation

Project: Sears/#1058/Oakland
Store #: 1058/2633 Telegraph
Project Manager: Melissa Gossell

Technician:
Schedule:
Job No. 1176603.03054300

TECHNICIAN'S COMMENTS

Multiple horizontal lines for technician's comments.

TOTAL HOURS ESTIMATED:

HOURS USED:

TRAVEL TIME ESTIMATED:

TRAVEL TIME USED:

TECHNICIAN

DRUMMED MATERIAL INVENTORY FORM

Store Number 1058 Address/City/State/ZIP 2633 TELEGRAPH AVE
 Sears Facility Contact and Phone # 7 Vacant Site
 IT Corporation Representative H Merino
 Accumulation Start Date 10/26/99 Completion Date: 10-26-99
 Exact Drum Storage Location NEXT TO FENCE BEHIND BUILDING.

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	1	A	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 2633 TELEGRAPH AVE
IT Corporation Representative J. Merino

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

DRUM ID	ACCUMULATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific)	SLUDGE PRESENT Y/N	VOLUME (gallon)
<u>A</u>	<u>10/25/99</u>	<u>PURGE WATER</u>	<u>GROUNDWATER</u>	<u>NO</u>	<u>50</u>

EXAMPLE

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

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 1050 Address/City/State/ZIP 2633 DELFORD AVE

Sears Facility Contact and Phone # _____

IT Corporation Representative [Signature]

Accumulation Start Date 10-26-99 Completion Date 10-26-99

Exact Bulk Storage Location _____

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



SEQUOIA ANALYTICAL CHAIN OF CUSTODY

- 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT CORP			Project Name: SEARS 2633 TELEGRAPH ST 105B		
Mailing Address: 4005 PORTCHICAGO HWY			Billing Address (if different):		
City: CONCORD	State: CA	Zip Code: 94520	1176603, 03054300		
Telephone: (925) 288-9898		FAX: (925) 288-0780		PO #:	
Report To: N. IKA GUSEI	Sampler: Hector Hernandez		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround: <input checked="" type="checkbox"/> 10 Working Days	<input type="checkbox"/> 3 Working Days	<input type="checkbox"/> 2 - 8 Hours	<input type="checkbox"/> Drinking Water	Analyses Requested:
Time: <input type="checkbox"/> 7 Working Days	<input type="checkbox"/> 2 Working Days	<input checked="" type="checkbox"/> Other Water	<input type="checkbox"/> Other	
<input type="checkbox"/> 5 Working Days	<input type="checkbox"/> 24 Hours	NORMAL		

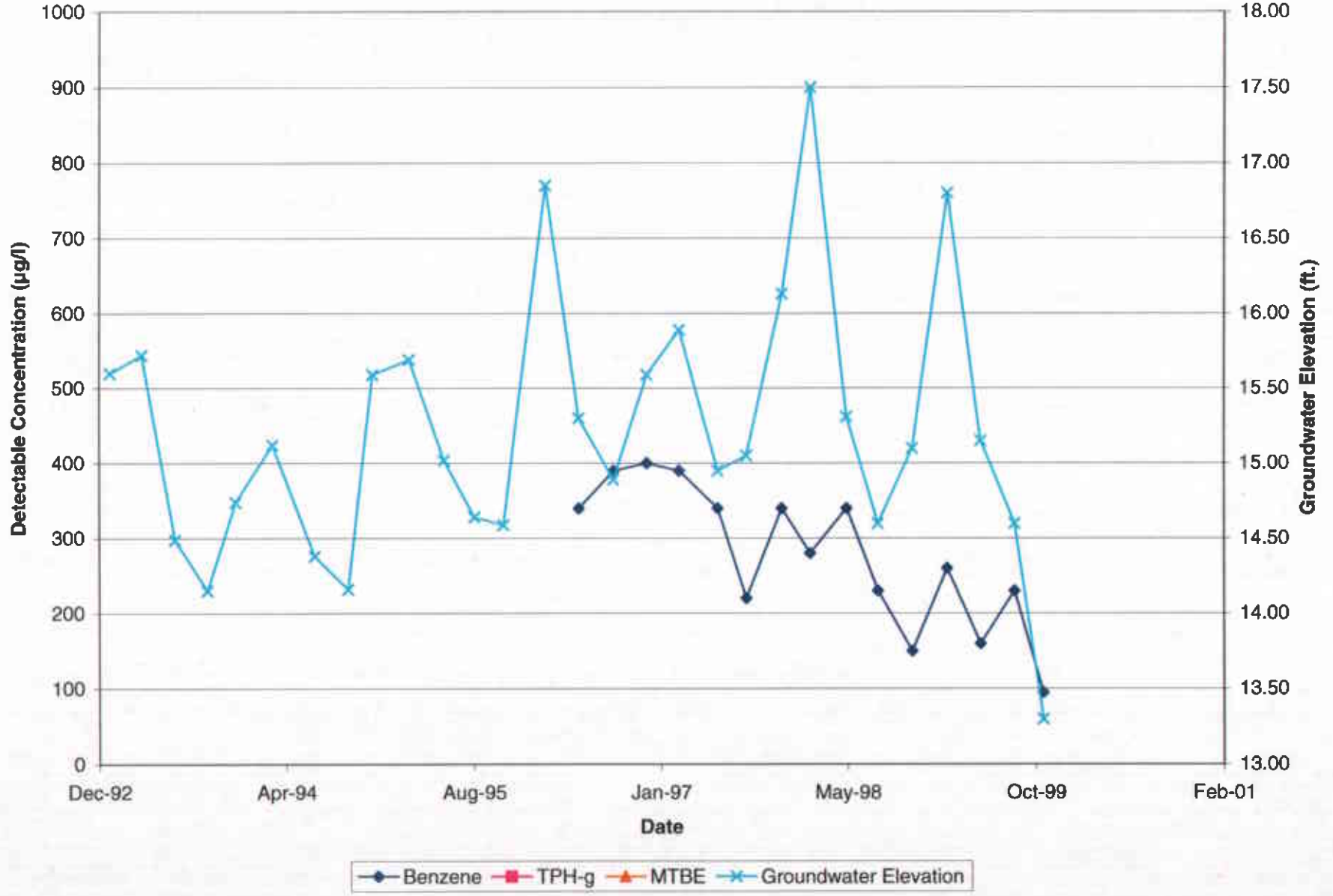
Client Sample ID	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TELEPHONE (925) 988-9600										Comments				
1. MW-8	12/8 12:00	GW	5	100µm FILTER		X	X													MISE DETECTIONS IN 80% LINES (CONFIRMATION BY 8:00 PLEASE CALL AS NEEDED)
2. MW-8	12/10	GW	5			X	X													
3. DUP-1	12/11	GW	5			X	X													
4. EW-1	12/18	GW	5			X	X													
5. MW-1	12/22	GW	5			X	X													
6. MW-9	12/29	GW	5			X	X													
7.																				
8.																				
9.																				
10.																				

Relinquished By: <i>[Signature]</i>	Date: 12/26/97	Time: 13:22	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: Lab, <i>[Signature]</i>	Date: 10/25	Time: 13:22

Pink - Client
Yellow - Sequoia
White - Sequoia

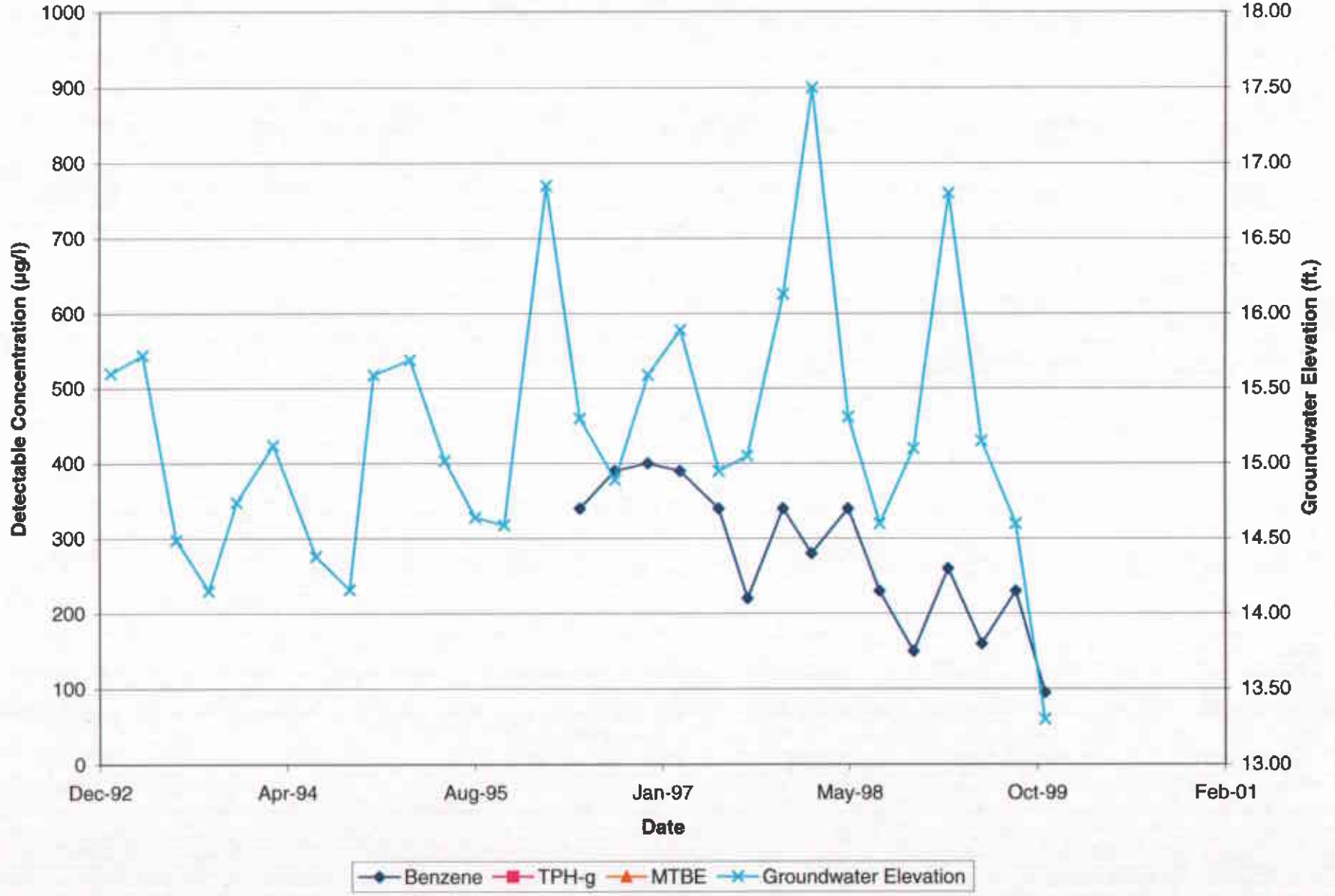
Graph 1, MW-1
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



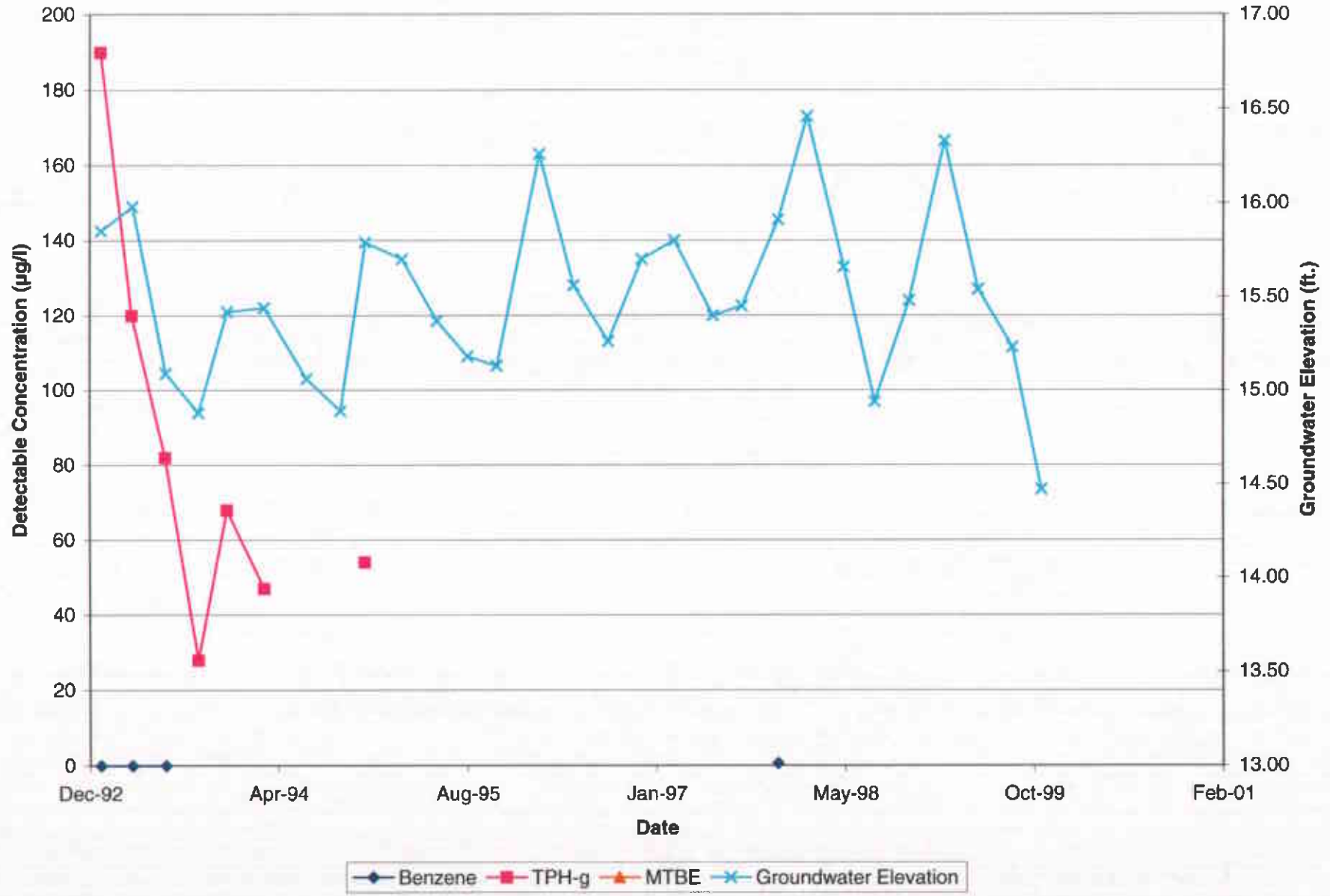
Graph 1, MW-1
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



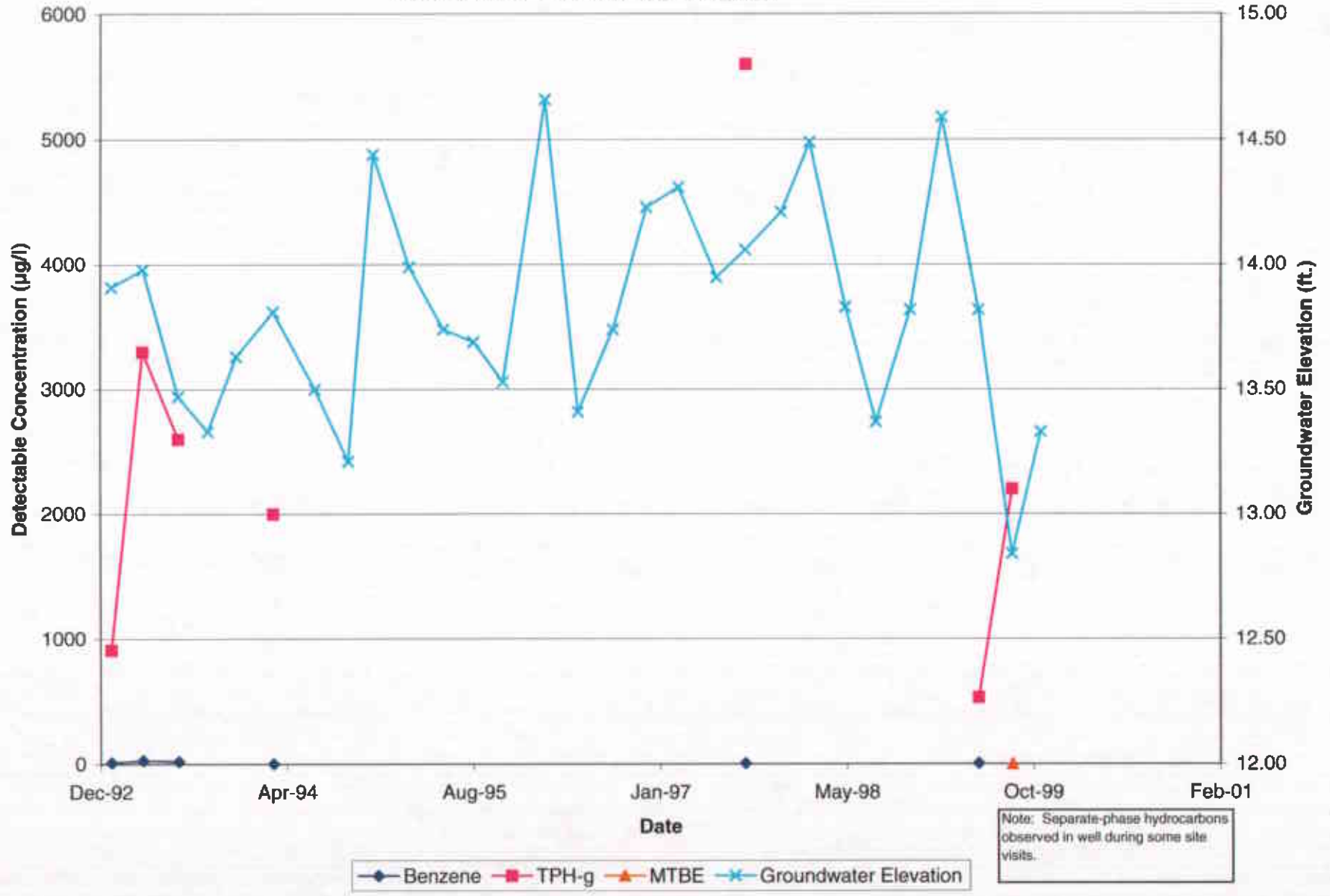
Graph 2, MW-2
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



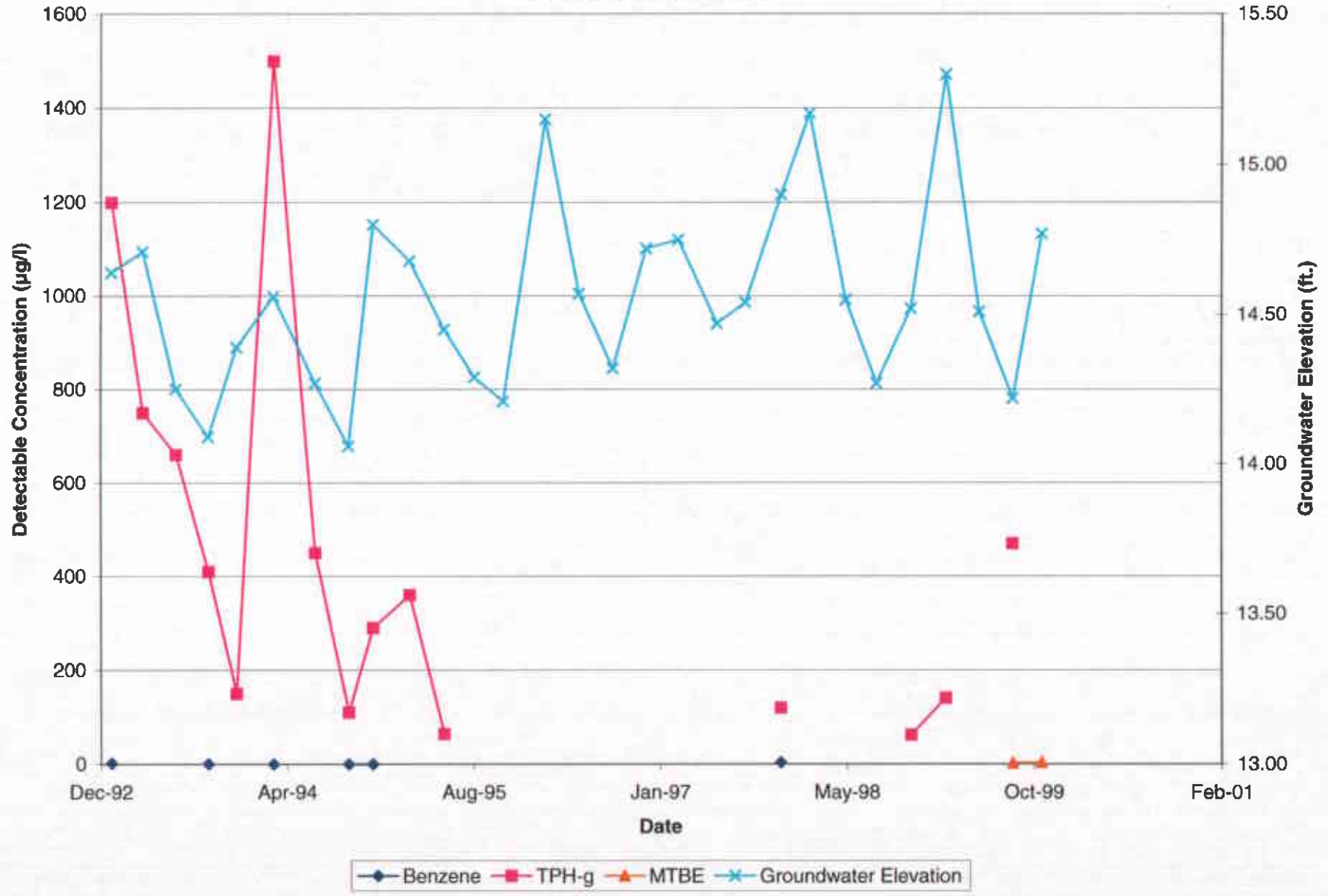
Graph 3, MW-3
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



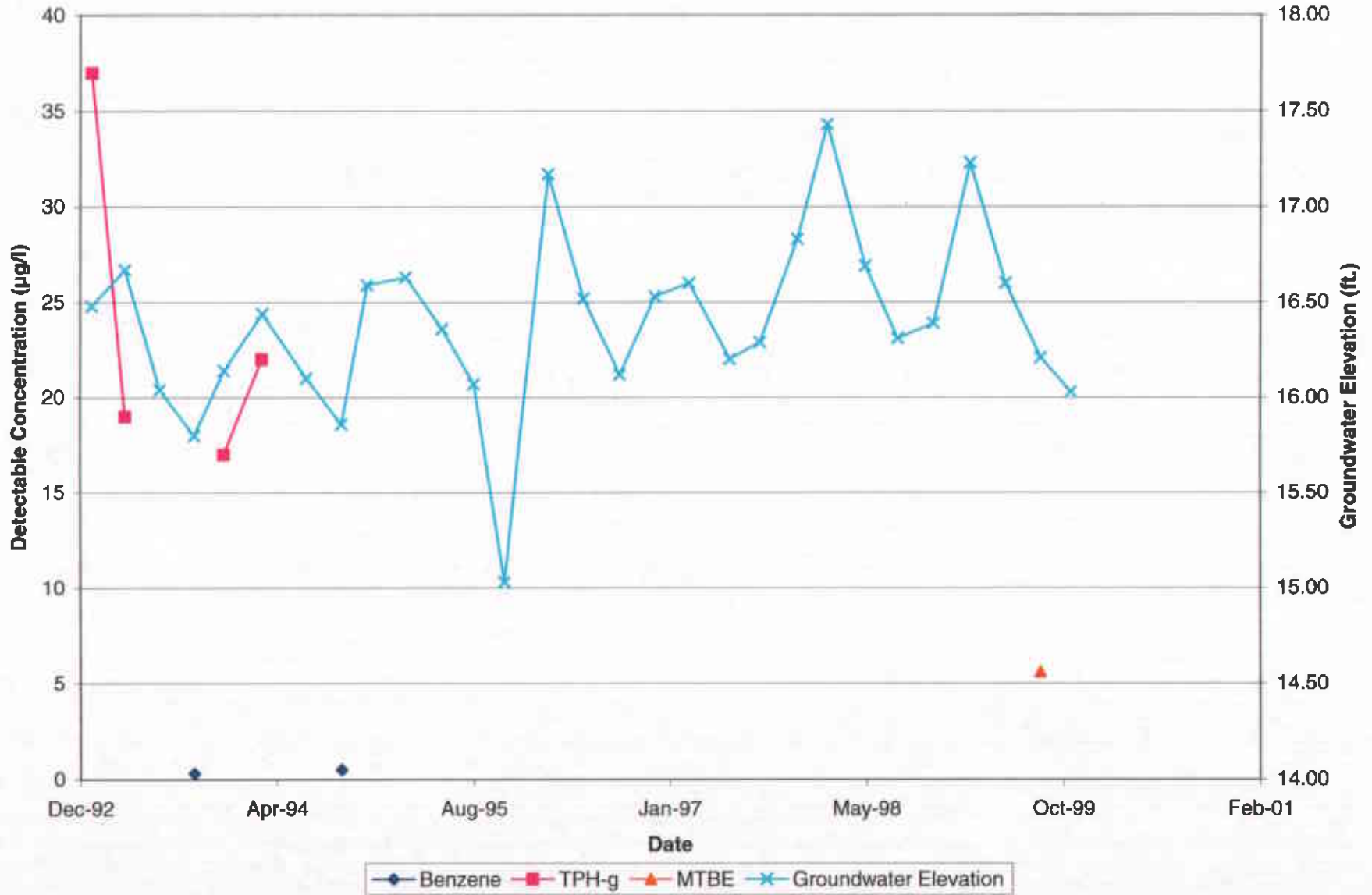
Graph 4, MW-4
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



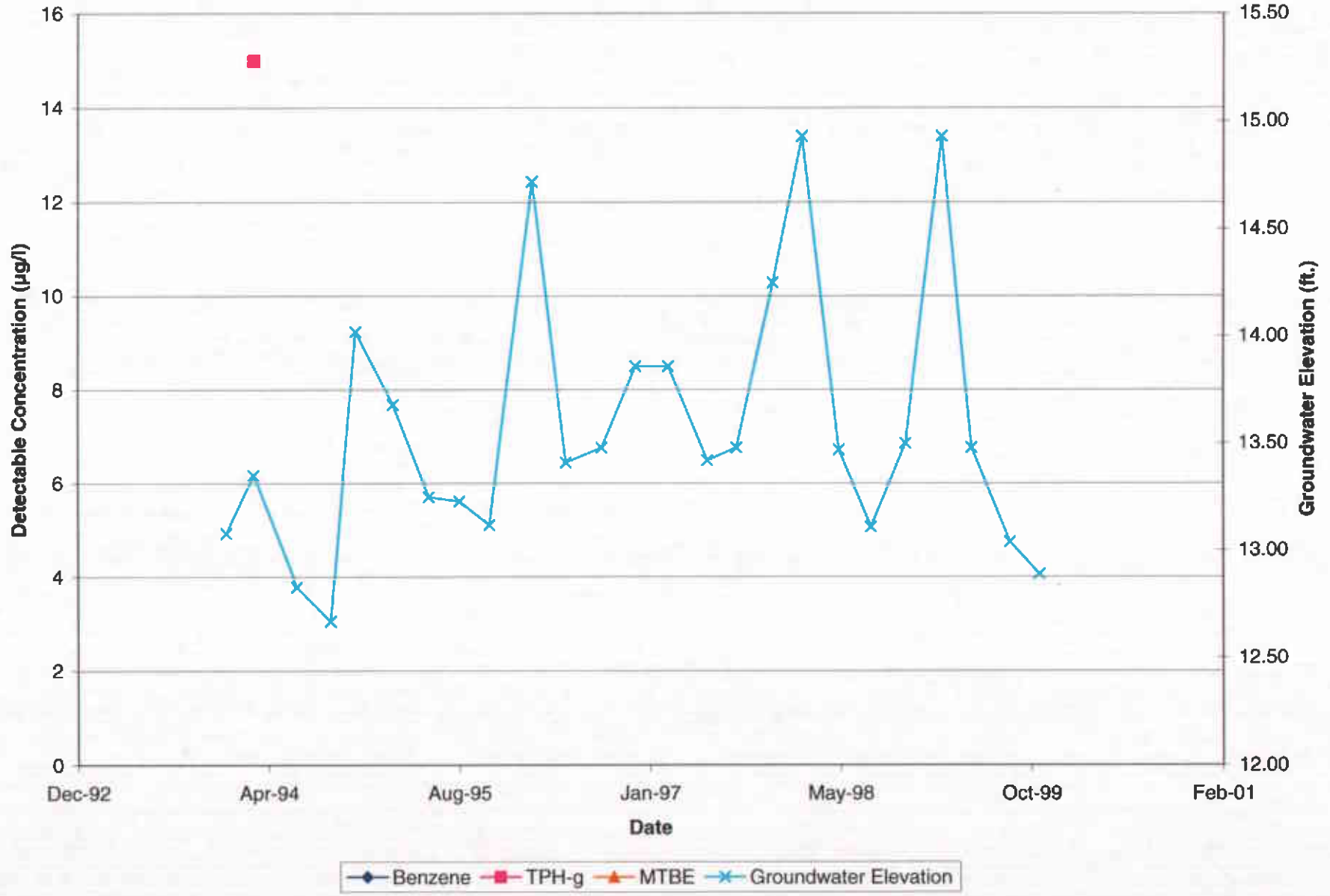
Graph 5, MW-5
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



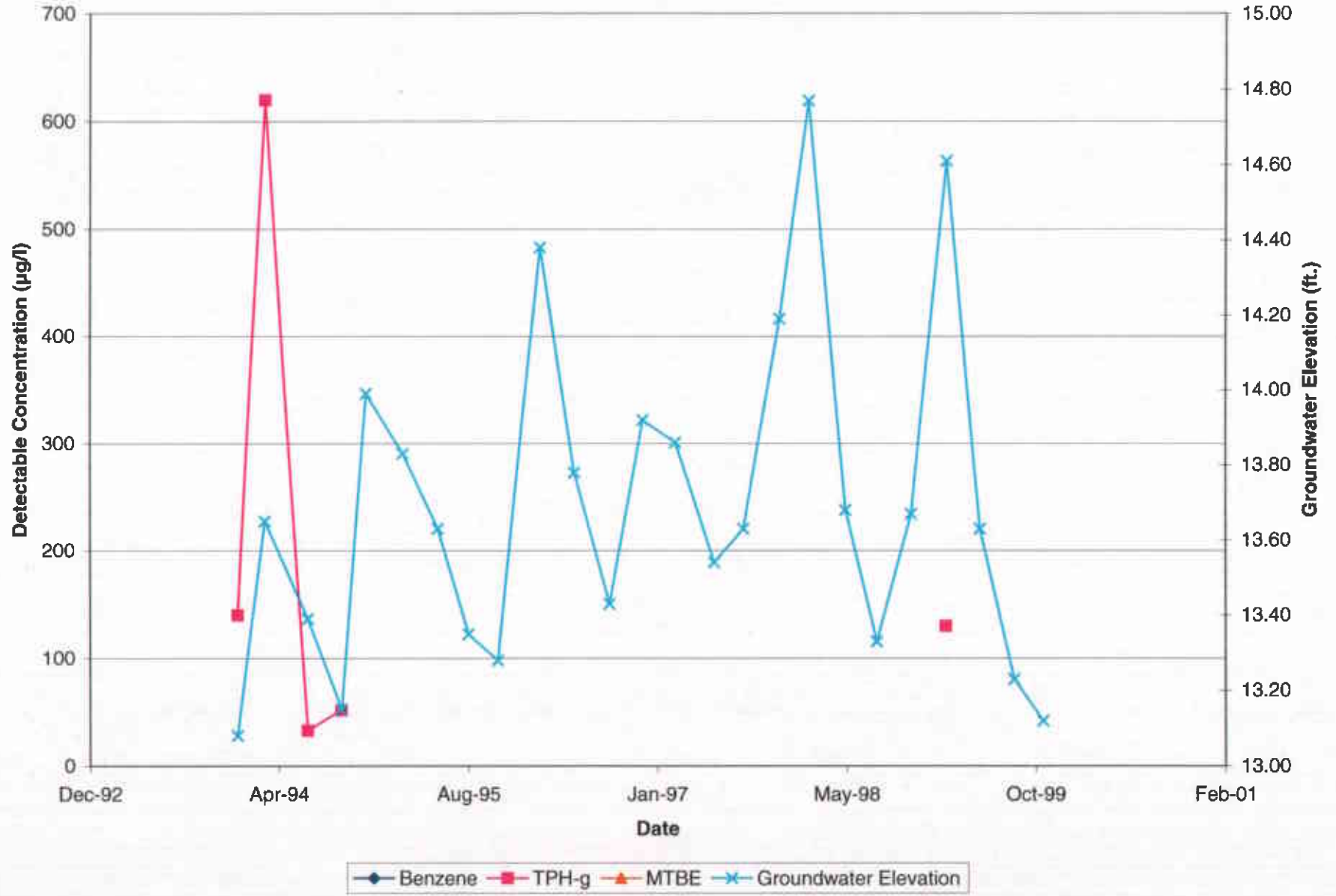
Graph 6, MW-6
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



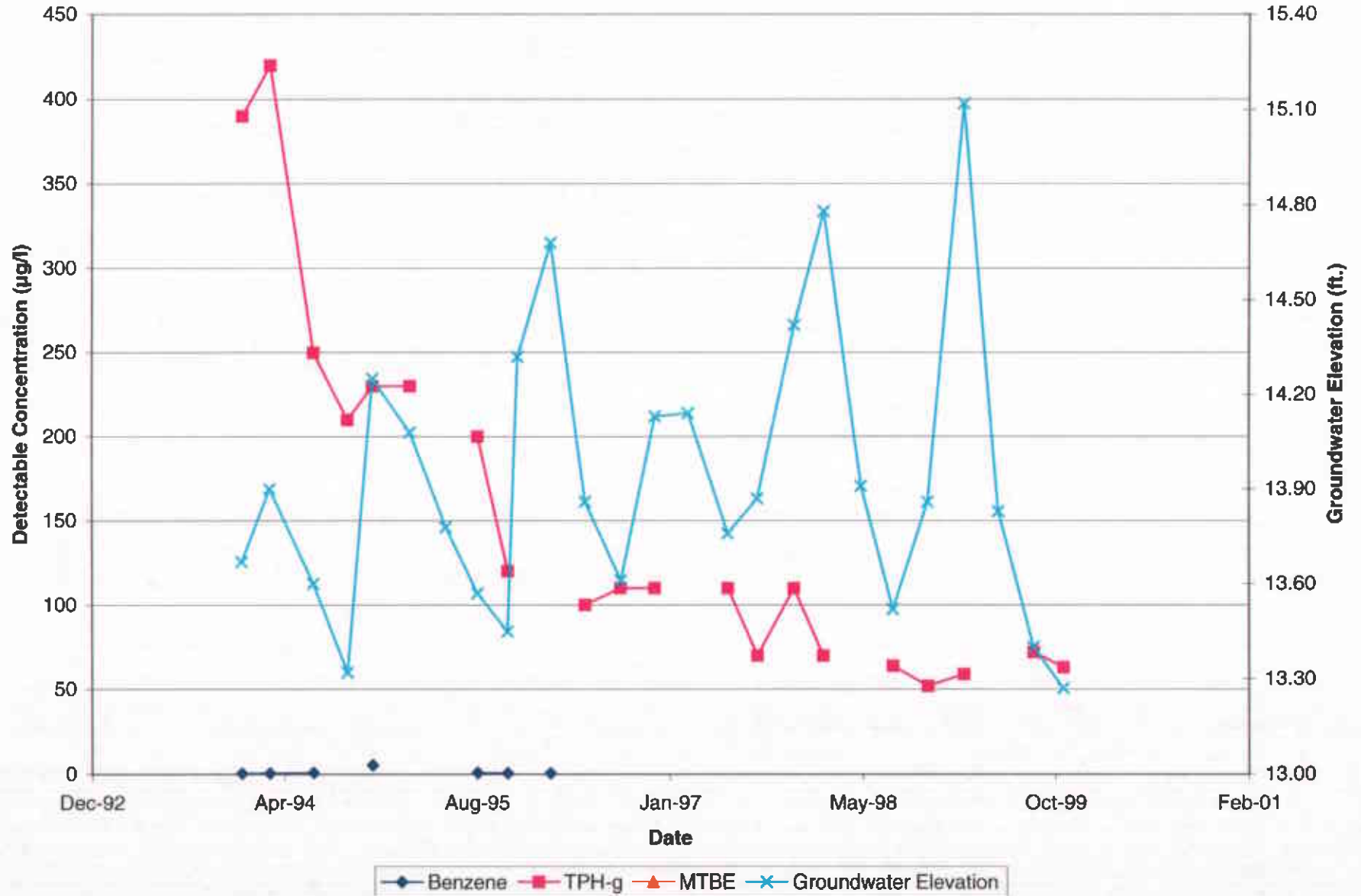
Graph 7, MW-7
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



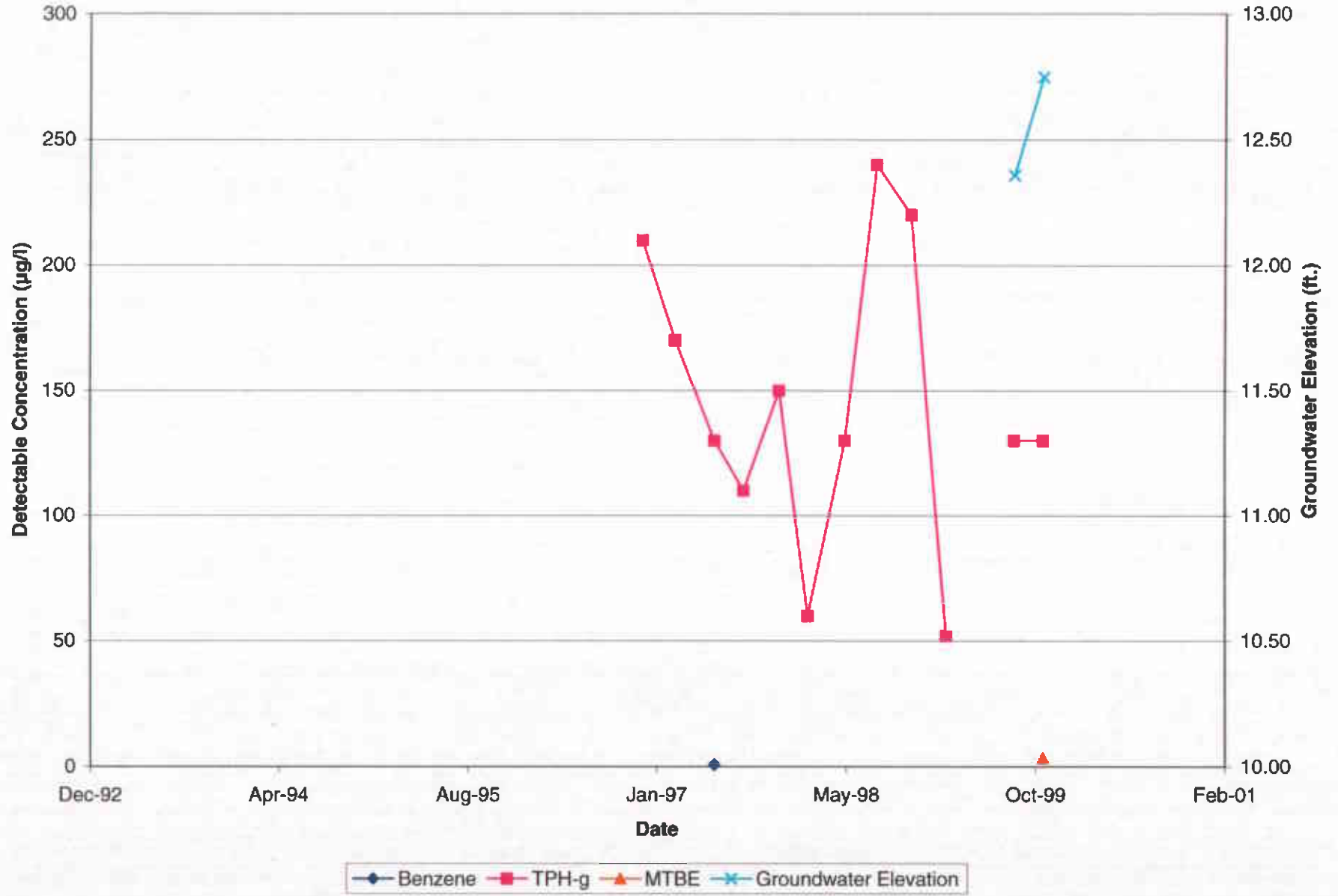
Graph 8, MW-8
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



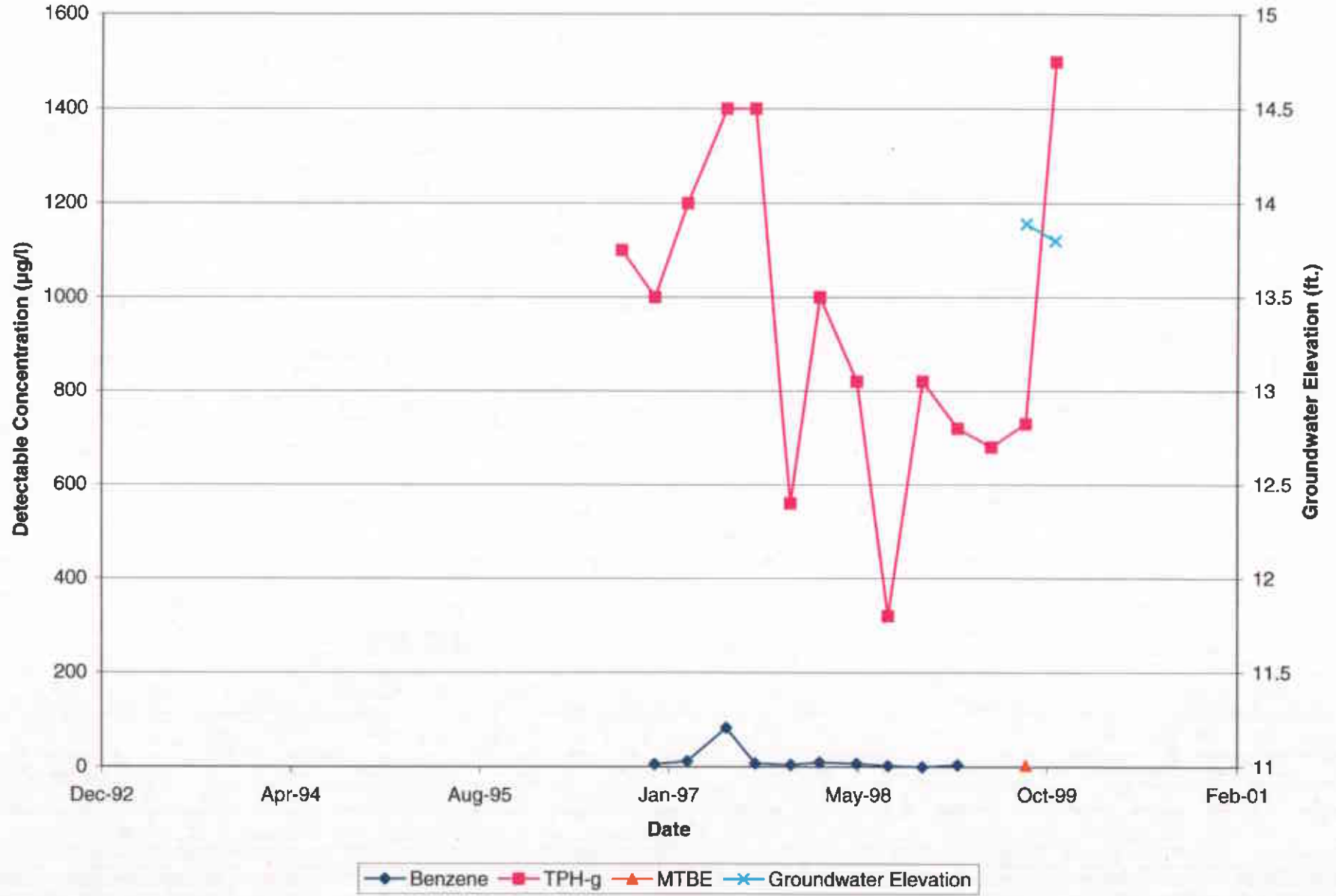
Graph 9, MW-9
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

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



Sequoia
Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

15 November, 1999

Melissa Gossell
T Corporation
4005 Port Chicago Hwy.
Concord, CA 94520

RE: Sears

Enclosed are the results of analyses for samples received by the laboratory on 26-Oct-99 13:23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma
Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell


Reported:
15-Nov-99 17:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	W910524-01	Water	26-Oct-99 12:00	26-Oct-99 13:23
MW-4	W910524-02	Water	26-Oct-99 12:10	26-Oct-99 13:23
DUP-1	W910524-03	Water	26-Oct-99 12:11	26-Oct-99 13:23
EW-1	W910524-04	Water	26-Oct-99 12:18	26-Oct-99 13:23
MW-1	W910524-05	Water	26-Oct-99 12:22	26-Oct-99 13:23
MW-9	W910524-06	Water	26-Oct-99 12:39	26-Oct-99 13:23

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

MW-8 (W910524-01) Water Sampled: 26-Oct-99 12:00 Received: 26-Oct-99 13:23 P-01

Purgeable Hydrocarbons	63	50	ug/l	1	9K02001	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 93.3 % 70-130 " " " "

MW-4 (W910524-02) Water Sampled: 26-Oct-99 12:10 Received: 26-Oct-99 13:23

Purgeable Hydrocarbons	ND	50	ug/l	1	9K02001	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	3.4	2.5	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 86.7 % 70-130 " " " "


DUP-1 (W910524-03) Water Sampled: 26-Oct-99 12:11 Received: 26-Oct-99 13:23

Purgeable Hydrocarbons	ND	50	ug/l	1	9K02001	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	3.3	2.5	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 86.7 % 70-130 " " " "

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EW-1 (W910524-04) Water Sampled: 26-Oct-99 12:18 Received: 26-Oct-99 13:23 P-01									
Purgeable Hydrocarbons	1500	1000	ug/l	20	9K02001	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	10	"	"	"	"	"	8015M/8020	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>93.3 %</i>	<i>70-130</i>						
MW-1 (W910524-05) Water Sampled: 26-Oct-99 12:22 Received: 26-Oct-99 13:23 P-01									
Purgeable Hydrocarbons	95	50	ug/l	1	9K02002	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.64	0.50	"	"	"	"	"	"	
Xylenes (total)	1.2	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>100 %</i>	<i>70-130</i>						
MW-9 (W910524-06) Water Sampled: 26-Oct-99 12:39 Received: 26-Oct-99 13:23 P-01									
Purgeable Hydrocarbons	130	50	ug/l	1	9K02002	02-Nov-99	02-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	3.3	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>100 %</i>	<i>70-130</i>						

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

Hydrocarbons as Motor Oil by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (W910524-01) Water Sampled: 26-Oct-99 12:00 Received: 26-Oct-99 13:23									
Motor Oil (C16-C36)	ND	250	ug/l	1	9K05006	05-Nov-99	11-Nov-99	DHS LUFT	
Surrogate: n-Pentacosane		63.1 %	50-150		"	"	"	"	
MW-4 (W910524-02) Water Sampled: 26-Oct-99 12:10 Received: 26-Oct-99 13:23									
Motor Oil (C16-C36)	1300	250	ug/l	1	9K05006	05-Nov-99	11-Nov-99	DHS LUFT	D-05
Surrogate: n-Pentacosane		102 %	50-150		"	"	"	"	
EW-1 (W910524-04) Water Sampled: 26-Oct-99 12:18 Received: 26-Oct-99 13:23									
Motor Oil (C16-C36)	13000	2500	ug/l	10	9K05006	05-Nov-99	12-Nov-99	DHS LUFT	D-05
Surrogate: n-Pentacosane		661 %	50-150		"	"	"	"	S-04
MW-1 (W910524-05) Water Sampled: 26-Oct-99 12:22 Received: 26-Oct-99 13:23									
Motor Oil (C16-C36)	ND	250	ug/l	1	9K05006	05-Nov-99	12-Nov-99	DHS LUFT	
Surrogate: n-Pentacosane		57.1 %	50-150		"	"	"	"	
MW-9 (W910524-06) Water Sampled: 26-Oct-99 12:39 Received: 26-Oct-99 13:23									
Motor Oil (C16-C36)	ND	250	ug/l	1	9K05006	05-Nov-99	12-Nov-99	DHS LUFT	
Surrogate: n-Pentacosane		51.1 %	50-150		"	"	"	"	

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

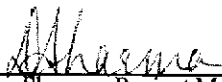
Reported:
15-Nov-99 17:40

**MTBE Confirmation by EPA Method 8260A
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (W910524-02) Water Sampled: 26-Oct-99 12:10 Received: 26-Oct-99 13:23									
Methyl tert-butyl ether	ND	2.0	ug/l	1	9K09007	08-Nov-99	08-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		96.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %	50-150		"	"	"	"	
DUP-1 (W910524-03) Water Sampled: 26-Oct-99 12:11 Received: 26-Oct-99 13:23									
Methyl tert-butyl ether	2.2	2.0	ug/l	1	9K09007	08-Nov-99	08-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		100 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		100 %	50-150		"	"	"	"	
MW-9 (W910524-06) Water Sampled: 26-Oct-99 12:39 Received: 26-Oct-99 13:23									
Methyl tert-butyl ether	2.1	2.0	ug/l	1	9K09007	08-Nov-99	08-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		104 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	50-150		"	"	"	"	

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9K02001: Prepared 02-Nov-99 Using EPA 5030B [P/T]

Blank (9K02001-BLK1)

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a, a, a-Trifluorotoluene</i>	27.4		"	30.0		91.3	70-130			

LCS (9K02001-BS1)

Benzene	21.2	0.50	ug/l	20.0		106	70-130			
Toluene	19.3	0.50	"	20.0		96.5	70-130			
Ethylbenzene	21.8	0.50	"	20.0		109	70-130			
Xylenes (total)	69.6	0.50	"	60.0		116	70-130			
<i>Surrogate: a, a, a-Trifluorotoluene</i>	26.6		"	30.0		88.7	70-130			

LCS Dup (9K02001-BSD1)

Benzene	20.9	0.50	ug/l	20.0		104	70-130	1.43	20	
Toluene	19.0	0.50	"	20.0		95.0	70-130	1.57	20	
Ethylbenzene	21.5	0.50	"	20.0		108	70-130	1.39	20	
Xylenes (total)	67.5	0.50	"	60.0		113	70-130	3.06	20	
<i>Surrogate: a, a, a-Trifluorotoluene</i>	26.4		"	30.0		88.0	70-130			

Batch 9K02002: Prepared 02-Nov-99 Using EPA 5030B [P/T]

Blank (9K02002-BLK1)

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a, a, a-Trifluorotoluene</i>	29.7		"	30.0		99.0	70-130			

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9K02002: Prepared 02-Nov-99 Using EPA 5030B [P/T]

LCS (9K02002-BS1)

Benzene	23.2	0.50	ug/l	20.0		116	70-130			
Toluene	19.1	0.50	"	20.0		95.5	70-130			
Ethylbenzene	20.1	0.50	"	20.0		101	70-130			
Xylenes (total)	67.7	0.50	"	60.0		113	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	28.0		"	30.0		93.3	70-130			

LCS Dup (9K02002-BSD1)

Benzene	23.5	0.50	ug/l	20.0		118	70-130	1.28	20	
Toluene	19.3	0.50	"	20.0		96.5	70-130	1.04	20	
Ethylbenzene	20.4	0.50	"	20.0		102	70-130	1.48	20	
Xylenes (total)	69.3	0.50	"	60.0		116	70-130	2.34	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	27.4		"	30.0		91.3	70-130			

Matrix Spike (9K02002-MS1)

Source: W910502-03

Benzene	12.8	0.50	ug/l	20.0	ND	64.0	70-130			
Toluene	11.7	0.50	"	20.0	ND	58.5	70-130			
Ethylbenzene	17.9	0.50	"	20.0	ND	89.5	70-130			
Xylenes (total)	47.4	0.50	"	60.0	ND	79.0	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	27.2		"	30.0		90.7	70-130			


Matrix Spike Dup (9K02002-MSD1)

Source: W910502-03

Benzene	25.3	0.50	ug/l	20.0	ND	126	70-130	65.6	20	
Toluene	20.8	0.50	"	20.0	ND	104	70-130	56.0	20	
Ethylbenzene	21.3	0.50	"	20.0	ND	106	70-130	17.3	20	
Xylenes (total)	72.5	0.50	"	60.0	ND	121	70-130	41.9	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	27.2		"	30.0		90.7	70-130			

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

**Hydrocarbons as Motor Oil by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K05006: Prepared 05-Nov-99 Using EPA 3510B										
Blank (9K05006-BLK1)										
Motor Oil (C16-C36)	ND	250	ug/l							
Diesel Range Hydrocarbons	ND	50	"							
Surrogate: n-Pentacosane	19.0		"	33.3		57.1	50-150			
LCS (9K05006-BS1)										
Diesel Range Hydrocarbons	427	50	ug/l	500		85.4	60-140			
Surrogate: n-Pentacosane	21.0		"	33.3		63.1	50-150			
LCS Dup (9K05006-BSD1)										
Diesel Range Hydrocarbons	445	50	ug/l	500		89.0	60-140	4.13	50	
Surrogate: n-Pentacosane	21.3		"	33.3		64.0	50-150			

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9K09007: Prepared 08-Nov-99 Using EPA 5030B [P/T]

Blank (9K09007-BLK1)

Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	56.0		"	50.0		112	50-150			
Surrogate: 1,2-Dichloroethane-d4	51.0		"	50.0		102	50-150			

LCS (9K09007-BS1)

Methyl tert-butyl ether	54.8	2.0	ug/l	50.0		110	70-130			
Surrogate: Dibromofluoromethane	54.0		"	50.0		108	50-150			
Surrogate: 1,2-Dichloroethane-d4	49.0		"	50.0		98.0	50-150			

LCS Dup (9K09007-BSD1)

Methyl tert-butyl ether	47.6	2.0	ug/l	50.0		95.2	70-130	14.1	25	
Surrogate: Dibromofluoromethane	53.0		"	50.0		106	50-150			
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104	50-150			

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager





IT Corporation
4005 Port Chicago Hwy.
Concord CA, 94520

Project: Sears
Project Number: Sears # 1058
Project Manager: Melissa Gossell

Reported:
15-Nov-99 17:40

Notes and Definitions

- D-05 Chromatogram Pattern: Motor Oil C16-C36.
- P-01 Chromatogram Pattern: Gasoline C6-C12
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

- 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT CORP			Project Name: SEARS 2633 TELEGRAPH # 1058		
Mailing Address: 4005 PORTCHICAGO HWY			Billing Address (if different):		
City: CONCORD	State: CA	Zip Code: 94520	1176603, 03054300		
Telephone: (925) 288-9898		FAX #: (925) 288-0888	P.O. #: W910524		
Report To: MELISSA GOSEL	Sampler: Heather Merino		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A		

Turnaround <input checked="" type="checkbox"/> 10 Working Days <input type="checkbox"/> 3 Working Days <input type="checkbox"/> 2 - 8 Hours	<input type="checkbox"/> Drinking Water	Analyses Requested <div style="border: 1px solid black; width: 100%; height: 100%; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div>
Time: <input type="checkbox"/> 7 Working Days <input type="checkbox"/> 2 Working Days	<input checked="" type="checkbox"/> ^{GW} Waste Water	
<input type="checkbox"/> 5 Working Days <input type="checkbox"/> 24 Hours	<input type="checkbox"/> Other	

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analysis Results										Comments					
1. MW-8	10/26 12:00	GW	5	10mL FILTER	01A-E	X	X														MTBE DETECTIONS
2. MW-4	12:10	GW	5		02A-E	X	X														IN 8020 NEED CONFIRMATION BY 8260 PLEASE RUN AS NEEDED
3. DUP-1	12:11	GW	3		03A-C	X	X														
4. EW-1	12:18	GW	5		04A-E	X	X														10/26 Sampled
5. MW-1	12:22	GW	5		05 ↓	X	X														date as per
6. MW-9	12:39	GW	5		06 ↓	X	X														Melissa Gosel on 10/26/99 JS.
7.																					
8.																					
9.																					
10.																					

Relinquished By:	Date: 10/25/99	Time: 13:22	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 10/26	Time: 13:22

Pink - Client
Yellow - Sequoia
White - Sequoia