



IT CORPORATION

A Member of The FT Group

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ENVIRONMENTAL PROTECTION

Transmittal Letter

99 APR 13 PM 2:55

ST101082
tb

Date: April 12, 1999

To: Mr. Thomas Peacock

Company: Alameda County, Health Care Services Agency

Address: 1131 Harbor Bay Parkway, Suite 250

City: Alameda State/Zip: California 94502-6577

We are sending via:

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 Other _____

The following:

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 Shop Drawings
 Samples
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 For Approval
 Approved as Noted
 For Correction
 For Your Use
 As Requested
 For Comments
 For Your Records
 For Distribution

Comments:

Dear Mr. Klettke,

Enclosed is the First Quarter 1999, Groundwater Monitoring and Sampling Report for the Sears, Roebuck and Co. Store No. 1058 located at 2600 Telegraph Avenue, in Oakland, California. If you have any questions or comments, please call me at (925) 370-3990 extension 266

Sincerely,
IT CORPORATION

Melissa Gossell
Melissa Gossell
West Zone Project Manager

- c: Mr. Scott DeMuth, Sears, Roebuck and Co.
USA Petroleum Files
Mr. Russ Zora, IT Corporation, Central Files, Lenexa Kansas
Project Files



April 2, 1999

IT Corporation

757 Arnold Drive, Suite D
Martinez, CA 94553-6526
Tel. 925.370.3990
Fax. 925.370.3991

A Member of The IT Group

STD 1082
Approved
4/22/99

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

Subject: First Quarter 1999, Groundwater Monitoring and Sampling Report
Former Sears 1058, 2600 Telegraph Avenue, Oakland, California
IT Corporation Project 1176603

Dear Mr. Klettke:

On behalf of Sears, Roebuck and Co., IT Corporation (formerly Fluor Daniel GTI, Inc.) presents the quarterly groundwater monitoring data collected on February 9 and 10, 1999, from the above referenced site. The 10 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 present in monitoring well MW-3; therefore, the well was not sampled. On February 9, 1999, access to monitoring wells MW-2 and MW-9 was blocked by parked vehicles, therefore, purging and sampling of these wells was completed on February 10, 1999. A potentiometric surface map is provided in attachment 1, figure 1. A historical summary of groundwater monitoring data is provided in attachment 2, table 1.

After measuring depth to water, nine of the 10 monitoring wells were purged and sampled. Groundwater monitoring and sample collection protocol, and field data sheets are provided in attachment 3. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE) and total petroleum hydrocarbons as gasoline (TPH-g) using Environmental Protection Agency (EPA) Methods 8020/modified 8015, and TPH as motor oil (TPH-mo) using modified EPA Method 8015 (GC/FID).

Static groundwater levels for the first quarter 1999 ranged from 14.61 to 17.23 feet above mean sea level (9.39 to 11.73 feet below top of casing). Groundwater elevations have decreased by approximately 1 foot since fourth quarter 1998 (November 10, 1998). The apparent groundwater flow is to the southwest at an average hydraulic gradient of 0.018 foot per foot, and is consistent with previous quarterly data.

Analytical results indicated low benzene concentrations in only one well, EW-1. Except for MW-8, low concentrations of MTBE were reported in all monitoring wells but were not confirmed by EPA Method 8260. If MTBE is detected in wells during the second quarter groundwater monitoring event, then the presence of MTBE in groundwater will be confirmed using EPA Method 8260. Monitoring

to prevent false positive



wells MW-1, MW-4, MW-7, MW-8 and EW-1 contained low concentrations of TPH-g. Monitoring well EW-1 was the only sampled well to contain detectable concentrations of TPH-mo at 1,300 micrograms per liter ($\mu\text{g/L}$), a 90 percent decrease since 1997. A 0.02-foot-thick layer of separate-phase hydrocarbons was measured in monitoring well MW-3. Previous analyses for dissolved hydrocarbons in MW-3 indicate that the product in this well is predominantly motor oil. 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. Hydrograph and detectable 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.

IT Corporation has reviewed this site to address the dissolved-phase plume and separate-phase hydrocarbons. Based on data from pilot tests conducted in 1996, high molecular weight (HMW) hydrocarbons could not be remediated using conventional vapor extraction methods. The separate-phase hydrocarbons found in MW-3 will need to be addressed through an interim remediation method of passive product recovery.

The pilot test report concluded that according to the 1995 Lawrence Livermore National Laboratory (LLNL) report *Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Storage Tanks (LUFTS)*, and the January 1996 RWQCB memorandum on interim *Guidance on Required Cleanup at Low-Risk Fuel Sites* "would classify this site as a low-risk case because of the low to nondetectable concentrations of BTEX in the subsurface and no drinking wells nearby. Due to this classification, it is assumed that the HMW hydrocarbons adsorbed on the vadose zone will not need to be actively remediated. The separate-phase hydrocarbons will require removal, however."

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. IT Corporation recommends a temporary periodic use of a vacuum truck to extract product and groundwater from MW-3. Four to six weekly site visits by a vacuum truck, each consisting of a half-hour period of high-vacuum fluid extraction will determine if a measurable thickness of product recharges into well MW-3. If a measurable thickness of separate-phase hydrocarbons is not found in the well during two consecutive quarterly monitoring and sampling events, low-risk classification and closure/no further action status will be requested for the site. Alternative remediation methods will be recommended if measurable thickness of separate-phase hydrocarbons is recorded in MW-3 during the two consecutive quarters following the high-vacuum fluid extraction events.

If you have any comments or questions, please contact me at (925) 370-3990 extension 266.

Sincerely,
IT CORPORATION
Submitted by:

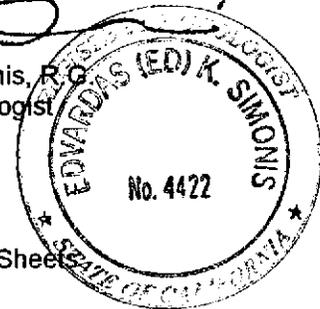


Melissa Gossell
West Zone Project Manager

IT CORPORATION
Approved by:



Ed K. Simonis, R.G.
Senior Geologist



Attachments:

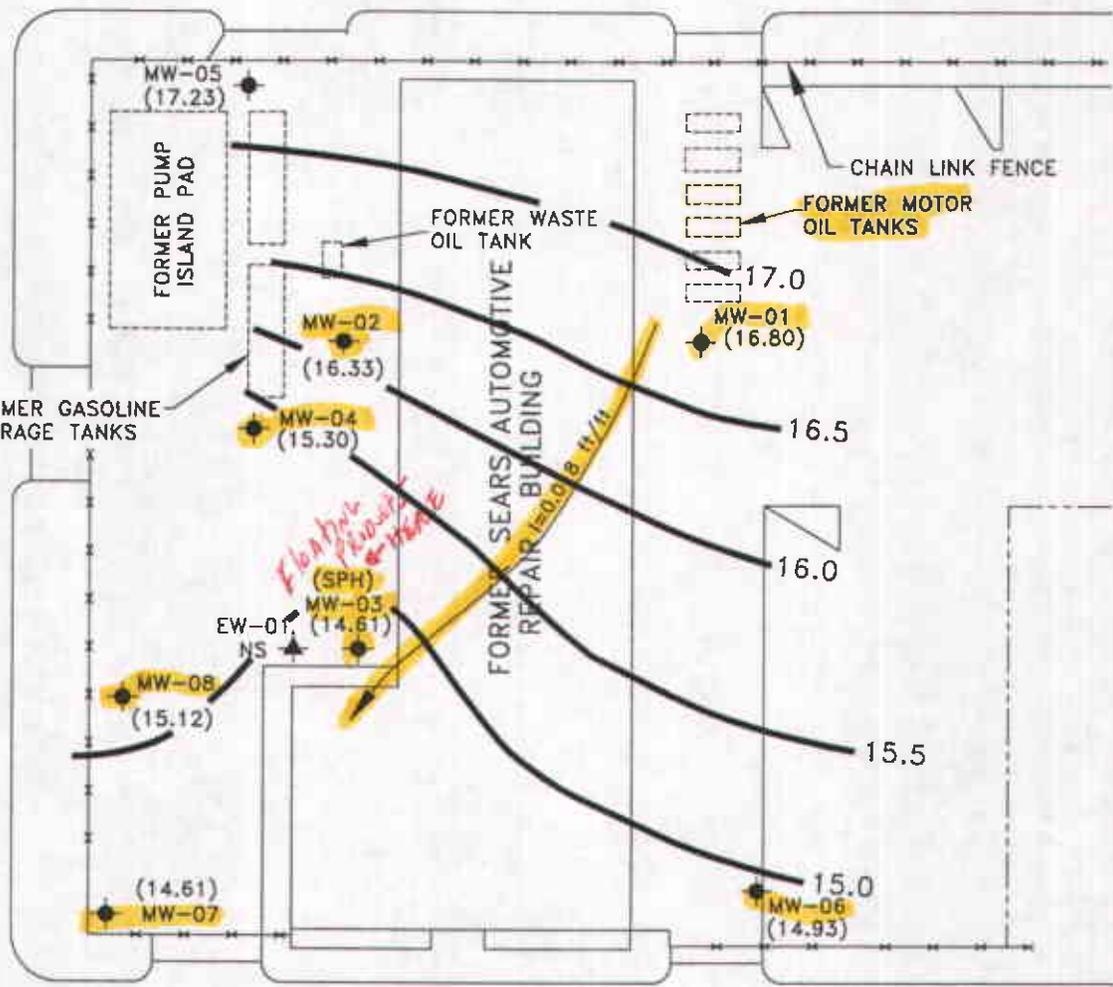
1. Figures
2. Tables
3. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheet
4. Graphs
5. Laboratory Reports and Chain-of-Custody Documents

c: Scott M. DeMuth, Sears, Roebuck and Co.
USA Petroleum files
Mr. Russ Zora, IT Corporation, Central Files
Project File



27th STREET

TELEGRAPH AVENUE



LEGEND

- MONITORING WELL
- EXTRACTION WELL
- POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- NOT SURVEYED
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 ft
- GROUNDWATER FLOW DIRECTION AND AVERAGE GRADIENT (ft/ft)
- SEPARATE-PHASE HYDROCARBONS



IT CORPORATION



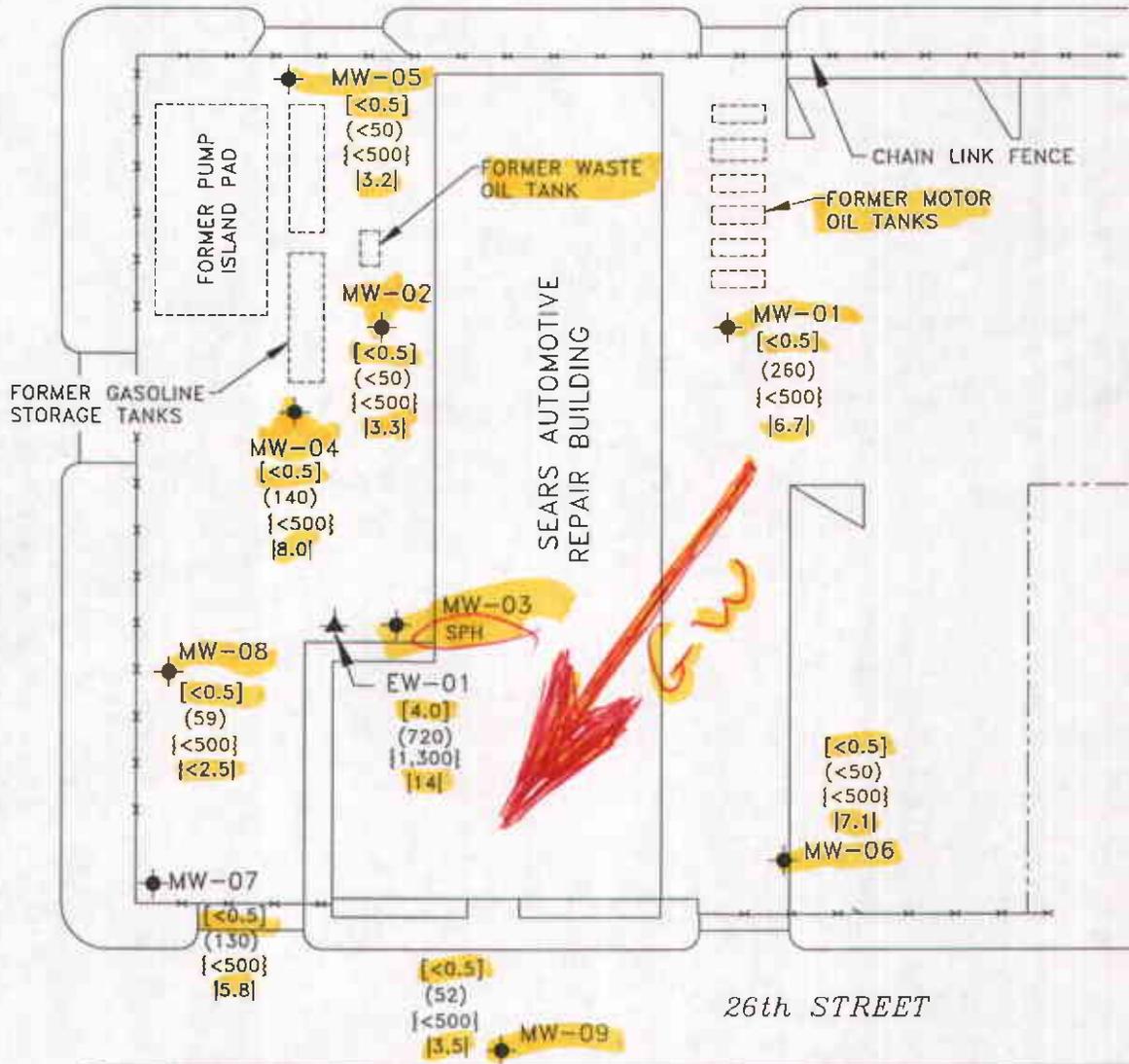
POTENTIOMETRIC SURFACE MAP (GAUGED 2/8/99)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: PSM0299 (1:40)	PROJECT NO.: 1176603	PM	PE/RG
	REV.			
LOCATION: 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. BP	DET. DL	DATE: 3/9/99	FIGURE: 1



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 (Plastic Product)
- NS NOT SAMPLED



IT 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:	
LOCATION: 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. BP	DET. DL	DATE: 3/9/99	2

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	9.70	--	--	--	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
[REDACTED]	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		
12/02/96	10.80	--	--	15.70		
02/26/97	10.70	--	--	15.80		
06/09/97	11.10	--	--	15.40		

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
(cont'd)		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	--	--	15.48
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		
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		

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)		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
		02/02/99	11.75	11.73	0.02	14.97
		MW-4	26.17	12/30/92	11.53	-
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		
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		

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)		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	11.95	-	-	14.20
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
		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		

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)		01/15/96	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		
			10.75	-	-	17.23
	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
		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

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)		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
	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
		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	9.39	--	--	14.93

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	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
		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		
			11.00	--	--	15.12

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-9	N/A	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
EW-1	N/A	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

Notes:

- = No datum for the cell, including "product not detected"
- NM = not monitored
- N/A = not Available

TABLE 2
Summary of Historical Groundwater Sample Analyses
(All results expressed in parts per billion)

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	--	--	<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	
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	--	--	--
	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	

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in parts per billion)

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-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	^c 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	6	5	16	5,600	110,000	--	--	<30
11/28/97	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
02/12/98	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
05/20/98	SPH	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	SPH
02/11/99	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH	SPH
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	--
	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	--	*5	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	360	1,000	--	*5	--
	06/09/95	<0.3	0.4	<0.3	<0.5	64	1,100	--	*5	--
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	1,200	--	*5	--
	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	

TABLE 2
Summary of Historical Groundwater Sample Analyses
(All results expressed in parts per billion)

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	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	--	^b 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
	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	
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	--	^d 8	--
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	^b 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	--	^b 24	--
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	^b 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	

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in parts per billion)

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	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	^a <250	--	ND	--
	12/01/94	<0.3	<0.3	<0.3	1.1	<10	^a <250	--	^b 28	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	^a <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	--	^b 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
	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	
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	^a <250	--	^a 9	--
	12/01/94	5.4	<0.3	0.7	1.3	230	^a <250	--	^c ND	--
	03/08/95	<0.3	<0.3	<0.3	<0.5	230	^a <250	--	ND	--
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	^a <250	--	ND	--
	08/29/95	0.9	0.4	<0.3	0.8	200	^a <250	--	^b 15	--
	11/15/95	0.58	<0.5	<0.5	0.54	120	--	--	^b 21	--
	12/11/95	--	--	--	--	--	^a <200	--	--	--
	03/05/96	0.6	<1.0	<1.0	<2.0	<100	^a <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	

TABLE 2
Summary of Historical Groundwater Sample Analyses
 (All results expressed in parts per billion)

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	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
	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
	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

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, included in Attachment 4.)
- 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
- MTBE = Methyl Tert-Butyl Ether

Attachment 3

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

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: J. Merino
Scheduled: 2/08/99
Site Mgr:

PREPARATORY COMMENTS

Visit Date: 2-9-99 Arrival Time: 10:30 Departure Time: 16:00

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 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, Ned Borclin

Notify Tom Peacock 72 hrs in advance (510) 567-6782 DONE: 2/4/99 8:45am *Left message*
John

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.

2. Record DTW, DTP, pH, Conductivity and temperature. NOTE: Recharge DTW.

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

SITE VISIT FORM
Fluor Daniel GTI - Martinez, California

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

Technician: A. Merino
Scheduled: 2/08/99
Site Mgr:

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

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

5. Submit samples to Sequoia Analytical in Redwood City, CA ph# (650) 364-9600. To be analyzed for BTEX/MTBE/TPH-G (EPA 8020/8015), and TPH-Motor Oil (EPA 8015).

6. COMPLETED ALL THREE PAGES OF WASTE INVENTORY FORM? Y. 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: *A. Medina*
Scheduled: 2/08/99
Site Mgr:

TECHNICIAN'S COMMENTS

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

Technician

**SITE VISIT FORM
FLUOR DANIEL GTI**

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

Technician: Amirino
Schedule:
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**

Gauged on
~~covering person~~
Visit Date: 2/18/99

Arrival Time: _____ Departure Time: _____

Called Project Manager? YES NO Time: Ned B Who: B.00

If you did not call, why not? (voice mail)

Weather: Rain Snow Sunny Cloudy Temperature: cold

Well ID	DTB	DTW	SAT. THICK	#GAL. BAILED
MW-1:	DTB_21.72	DTW <u>9.40</u>	_____	_____
MW-2:	DTB_21.79	DTW <u>10.17</u>	_____	_____
MW-3:	DTB_24.67	DTW <u>11.75</u>	_____	_____
MW-4:	DTB_22.97	DTW <u>10.87</u>	_____	_____
MW-5:	DTB_25.27	DTW <u>9.75</u>	_____	_____
MW-6:	DTB_22.05	DTW <u>9.39</u>	_____	_____
MW-7:	DTB_21.70	DTW <u>10.27</u>	_____	_____
MW-8:	DTB_22.14	DTW <u>11.00</u>	_____	_____
MW-9:	DTB_20.30	DTW <u>10.66</u>	_____	_____
EW-1:	DTB_22.30	DTW <u>11.66</u>	_____	_____

NOTES: MW3 (12.15 DTP) (DTW 12.17) on 2/19/99
All Pumping & Sampling Done on 2/19/99
CAR on top of MW2, could not find owner. No Sample
taken from MW2. Steve Kelso Sampled Wells
White I Pumped Wells

HOURS ESTIMATED: _____ HOURS USED: _____

Sampled MW2 NEXT DAY on 2-10-99 FINAL CHECKS

Are Wells Locked? YES NO Why Not?

Are Manholes Bolted Down? YES NO Why Not?

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/14/19
 Page of
 Project Manager: Melissa Gossell

Well ID: MW-1
 Well Diameter: 2

DTW Measurements:
 Initial: 9.40 Calc Well Volume: 2.0 gal
 Recharge: Well Volume x 3 6.0 gal
 DTB: 2.22

Purge Method Submersible Pump Depth ft. Instruments Used
 Peristaltic Hand Bailed YSI: X Other:
 Gear Drive Air Lift Hydac:
 Submersible X Other Omega:

Time	Temp <u>°C</u> <u>F</u>	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
10:45	16.2	0.50	6.64	2	cloudy	BROWN
10:46	17.9	0.52	6.56	3	↓	
10:47	18.5	0.53	6.54	4	↓	
10:48	19.2	0.54	6.50	5	cloudy	
10:49	19.5	0.54	6.49	6	↓	

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/19/99
 Page _____ of _____
 Project Manager: Melissa Gossell

Well ID: MW-6
 Well Diameter: 2

DTW Measurements:
 Initial: 9.39 Calc Well Volume: 2.0 gal
 Recharge: _____ Well Volume: X3 6.1 gal
 DTB: 22.05

Purge Method _____ Pump Depth _____ ft. Instruments Used _____
 Peristaltic _____ Hand Bailed _____ YSI: X _____ Other: _____
 Gear Drive _____ Air Lift _____ Hydac: _____
 Submersible X Other: _____ Omega: _____

Time	Temp		Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
	<u>Y</u> C	F					
10:57	19.9	0.47	6.41	2	cloudy		
10:58	19.9	0.48	6.40	3			
10:59	19.9	0.47	6.41	4			
11:00	19.9	0.46	6.40	5			
11:01	20.2	0.45	6.42	6	/		

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/19/99
 Page _____ of _____
 Project Manager: Melissa Gossell

Well ID: MW-5
 Well Diameter: 2

DTW Measurements:
 Initial: 9.75 Calc Well Volume: 2.5 gal
 Recharge: _____ Well Volume: 13 7.5 gal
 DTB: 25.27

Purge Method _____ Pump Depth _____ ft.
 Peristaltic _____ Hand Bailed _____
 Gear Drive _____ Air Lift _____
 Submersible X Other _____

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

Time	Temp <u>X</u> C F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
11:13	18.1	0.66	6.30	2	cloudy	Brown
11:14	19.5	0.65	6.34	3	↓	↓
11:15	19.9	0.65	6.37	4		
11:16	20.3	0.64	6.40	5		
11:17	20.6	0.64	6.41	6		
11:18	20.7	0.66	6.40	7		

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/9/99
 Page of
 Project Manager: Melissa Gossell

Well ID: MW 7
 Well Diameter: 2

DTW Measurements:
 Initial: 1027 Calc Well Volume: 1.8 gal
 Recharge: Well Volume: x3 5.5 gal
 DTB: 2120

Purge Method
 Peristaltic
 Gear Drive
 Submersible x
 Pump Depth ft.
 Hand Bailed
 Air Lift
 Other

Instruments Used
 YSI: x
 Hydac:
 Omega:
 Other:

Time	Temp	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
	<u>x</u> C F					
11:30	19.8	0.31	6.49	1	cloudy	
11:31	18.6	0.32	6.53	2		
11:32	18.7	0.34	6.44	3		
11:33	18.9	0.35	6.42	4		
11:34	19.1	0.36	6.43	5	✓	

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/19/99
 Page of
 Project Manager: Melissa Gossell

Well ID: MW-9
 Well Diameter: 2

DTW Measurements:
 Initial: 10.66 Calc Well Volume: 1.5 gal
 Recharge: Well Volume: XJ 4.7 gal
 DTB: 20.30

Purge Method: Peristaltic Pump Depth: ft.
 Gear Drive: Hand Bailed:
 Submersible: X Air Lift:
 Other: Instruments Used
 YSI: X Other:
 Hydac:
 Omega:

Time	Temp <u>X</u> C <u>F</u>	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
12:19	20.8	0.65	6.42	1	cloudy	
12:20	20.2	0.66	6.41	2		
12:21	20.0	0.68	6.40	3		
12:22	20.0	0.69	6.41	4		
12:23	20.0	0.70	6.41	5	✓	

Project Name: Sears / #1058/Oakland, CA
 Site Address: 2633 Telegraph Ave., Oakland
 Project Number: 1176603.03054300

Date: 2/19/99
 Page of
 Project Manager: Melissa Gossell

Well ID: MW-2
 Well Diameter: 2

DTW Measurements:
 Initial: 10.17 Calc Well Volume: 1.8 gal
 Recharge: Well Volume: X3 5.6 gal
 DTB: 2.79

Purge Method: Peristaltic Pump Depth: ft. Instruments Used: YSI: X Other:
 Gear Drive: Hand Bailed: Hydac:
 Submersible: X Air Lift: Omega:
 Other:

Time	Temp C F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
13:15	16.2	0.66	7.32	1	cloudy	
13:16	17.6	0.61	7.20	2		
13:17	18.7	0.62	7.07	3		
13:18	19.5	0.62	6.90	4		
13:19	19.6	0.62	6.85	5	↓	DRY @ 6 gallons



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 Project Name: Sears telegraph #2623 1058
 Mailing Address: 757 Arnold DR. Suite D Billing Address (if different):
 City: Martinez State: CA Zip Code: 94533 Job # 116603. 03054300
 Telephone: (925) 370-3790 FAX #: (925) 370-3991 P.O. #:
 Report To: NED Berlin Sampler: Steve Kelso QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Drinking Water
 Waste Water
 Other
 Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Comments				
1. MW-1	2-9-99 11:45		2	LITERS		<div style="text-align: center;"> <p>TP HMDICAL Blex INTDZ HXK6 BTEX (8085)</p> <p style="font-size: 2em; opacity: 0.5;">SEQUOIA ANALYTICAL</p> </div>				
2. MW-1	2-9-99 11:45		3	VOA						
3. MW-6	2-9-99 12:00		2	LITERS						
4. MW-6	2-9-99 12:00		3	VOA						
5. MW-5	2-9-99 12:15		2	LITERS						
6. MW-5	2-9-99 12:15		3	VOA						
7. MW-4	2-9-99 12:30		2	LITERS						
8. MW-4	2-9-99 12:30		3	VOA						
9.										
10. DUP	2-9-99 12:30		3	VOA						

Relinquished By: <u>[Signature]</u>	Date: <u>2/9/99</u>	Time: <u>1230</u>	Received By: <u>[Signature]</u>	Date: <u>2.9.99</u>	Time: <u>1230</u>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

Were Samples Received in Good Condition? Yes No

Samples on Ice? Yes No Method of Shipment _____

Pink - Client
 Yellow - Sequoia
 White - Sequoia



SEQUOIA ANALYTICAL CHAIN OF CUSTODY

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 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 Project Name: Jears Telegraph #26331058
 Mailing Address: 757 ARNOLD DR. SUITE D Billing Address (if different):
 City: MARTINEZ State: CA Zip Code: 94533 JOB# 1176603
 Telephone: (925) 370-3990 FAX #: (925) 370-3990 P.O. #: 03054300
 Report To: NED BOEHLER Sampler: Sue Kulso QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days As contracted
 5 Working Days 24 Hours

Analyses Requested
 Drinking Water
 Waste Water
 Other

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	[Diagonal lines]										Comments		
1. MW-07	8-9-99 12:45		2	LITERS		X												
2. MW-07	2-9-99 12:45		3	VOA		X												
3. MW-8	2-9-99 13:00		2	LITERS		X												
4. MW-8	2-9-99 13:00		3	VOA		X												
5. EW-01	2-9-99 13:15		2	LITERS		X												
6. EW-01	2-9-99 13:15		3	VOA		X												
7.																		
8.																		
9.																		
10.																		

Relinquished By: <u>[Signature]</u>	Date: <u>2/9/99</u> Time: <u>12:30</u>	Received By: <u>[Signature]</u>	Date: <u>2.9.99</u> Time: <u>12:31</u>
Relinquished By:	Date: Time:	Received By:	Date: Time:
Relinquished By:	Date: Time:	Received By Lab:	Date: Time:

Pink - Client
Yellow - Sequoia
White - Sequoia



SEQUOIA ANALYTICAL CHAIN OF CUSTODY

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 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9678
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT Project Name: SEARS TELEGRAPH # 1058
 Mailing Address: 757 ARNOLD DR. SUITE D Billing Address (if different):
 City: MORTINEZ State: CA Zip Code: 94533 Job # 117(0603), 03054300
 Telephone: (925) 370-3990 FAX #: 370-3991 P.O. #:
 Report To: NED BORGIA Sampler: HANERNU QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Drinking Water
 Waste Water
 Other:

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested										Comments				
1. MW9	2/10 12:40	GW	5	Some Collected		X	X													
2. MW2	2/10 13:30	GW	5	✓		X	X													
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

Relinquished By: [Signature] Date: 2/10/99 Time: _____ Received By: [Signature] Date: 2/12/99 Time: 11:59
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____
 Relinquished By: _____ Date: _____ Time: _____ Received By Lab: _____ Date: _____ Time: _____

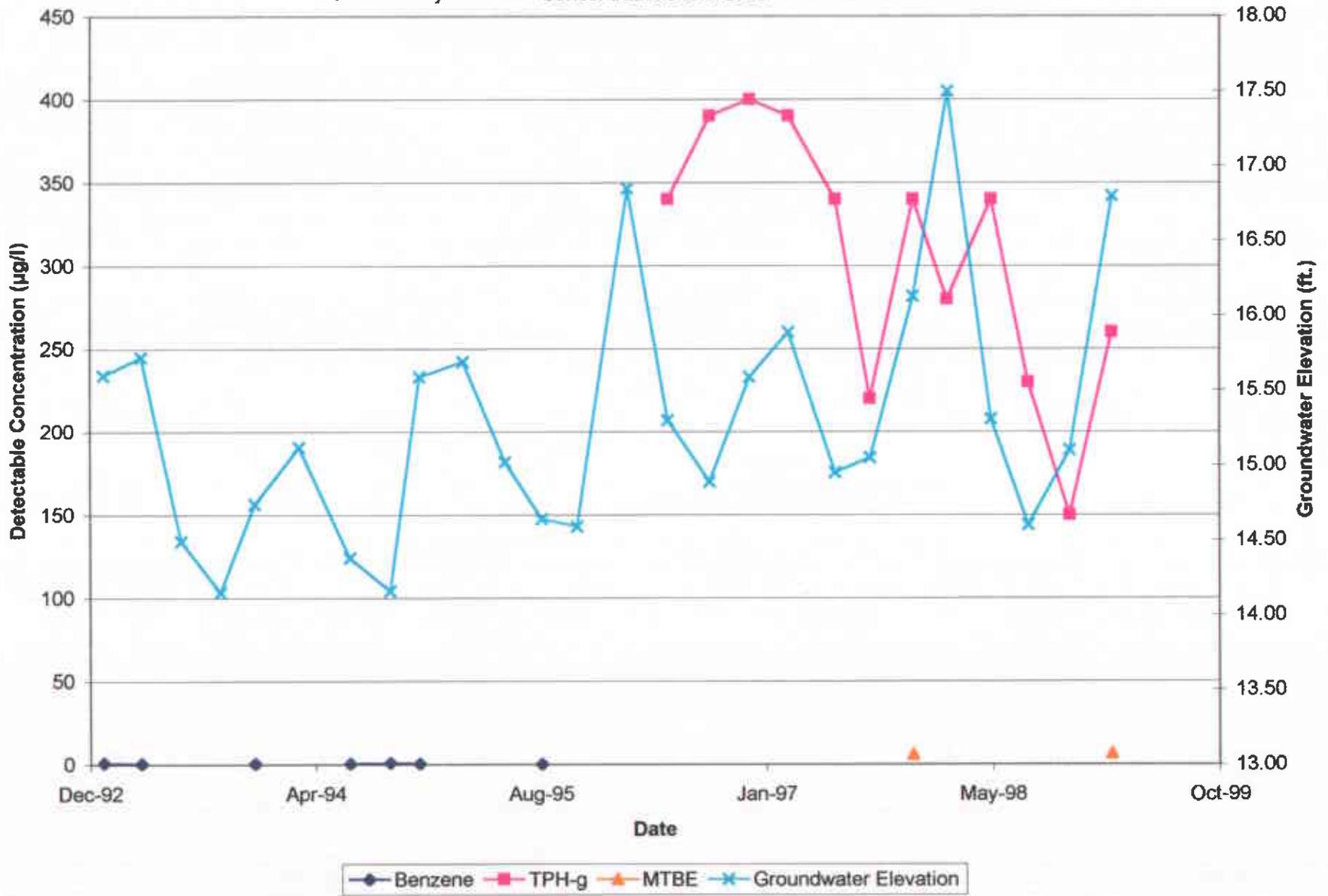
Pink - Client

Yellow - Sequoia

White - Sequoia

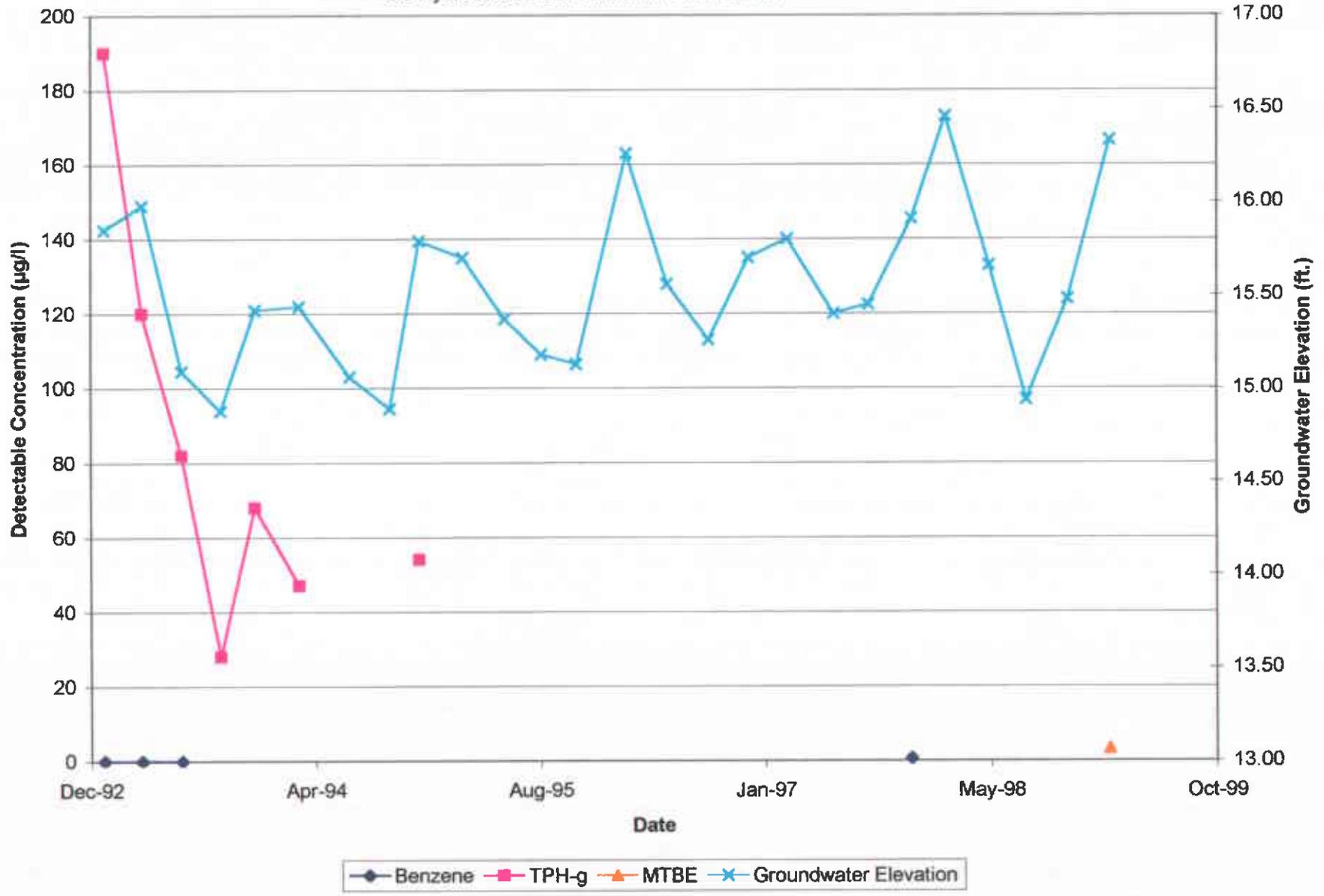
Graph 1, MW-1
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



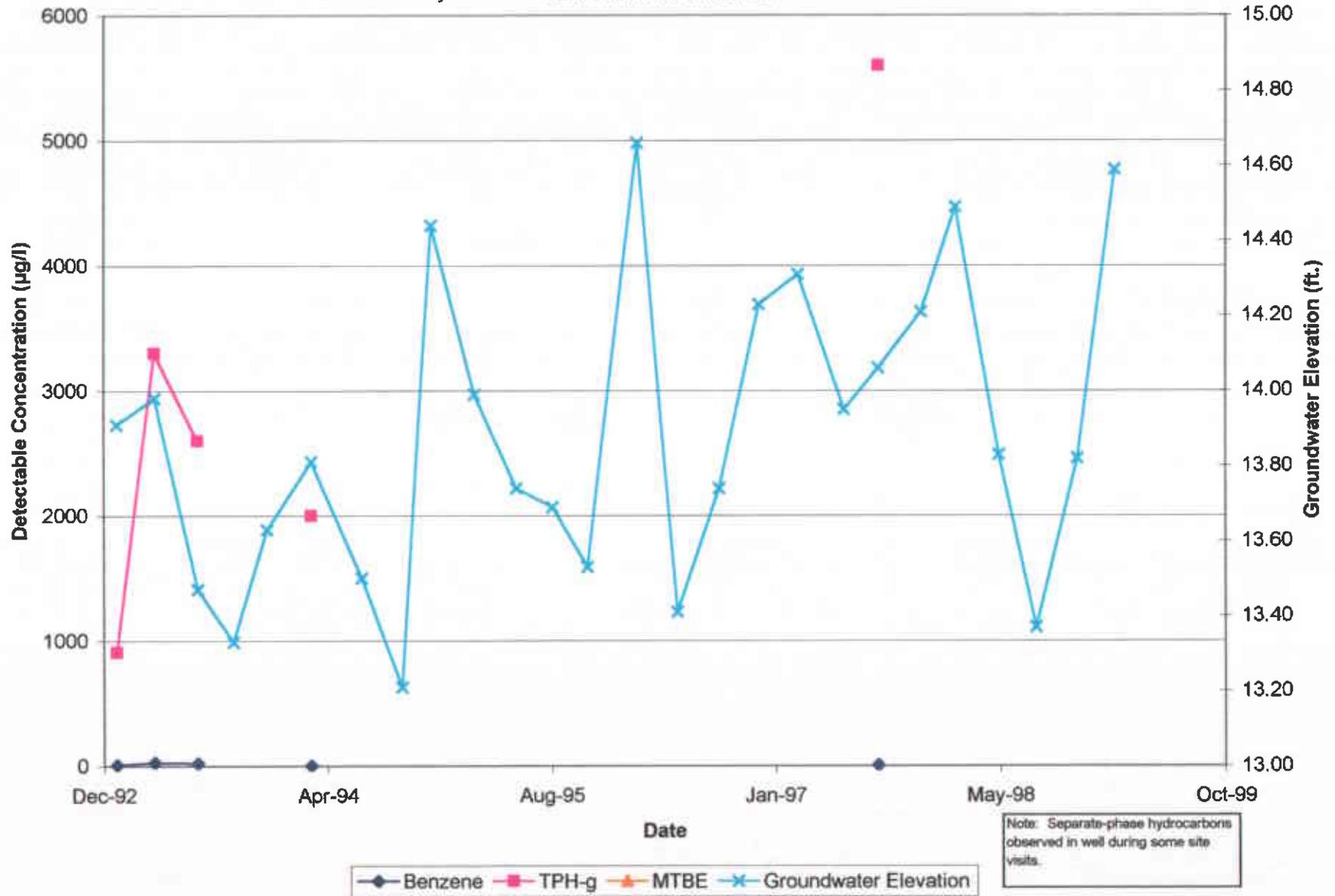
Graph 2, MW-2
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

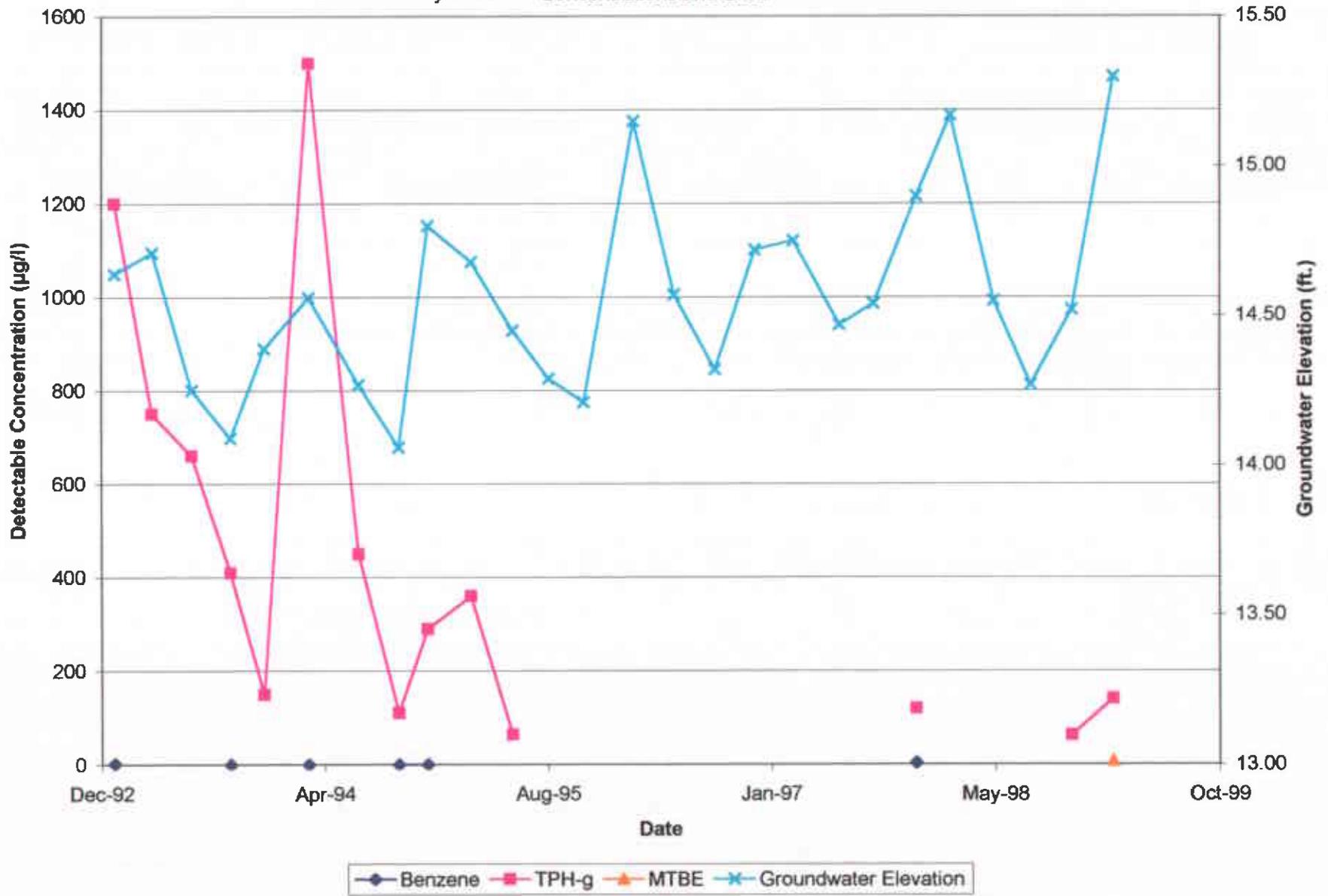
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

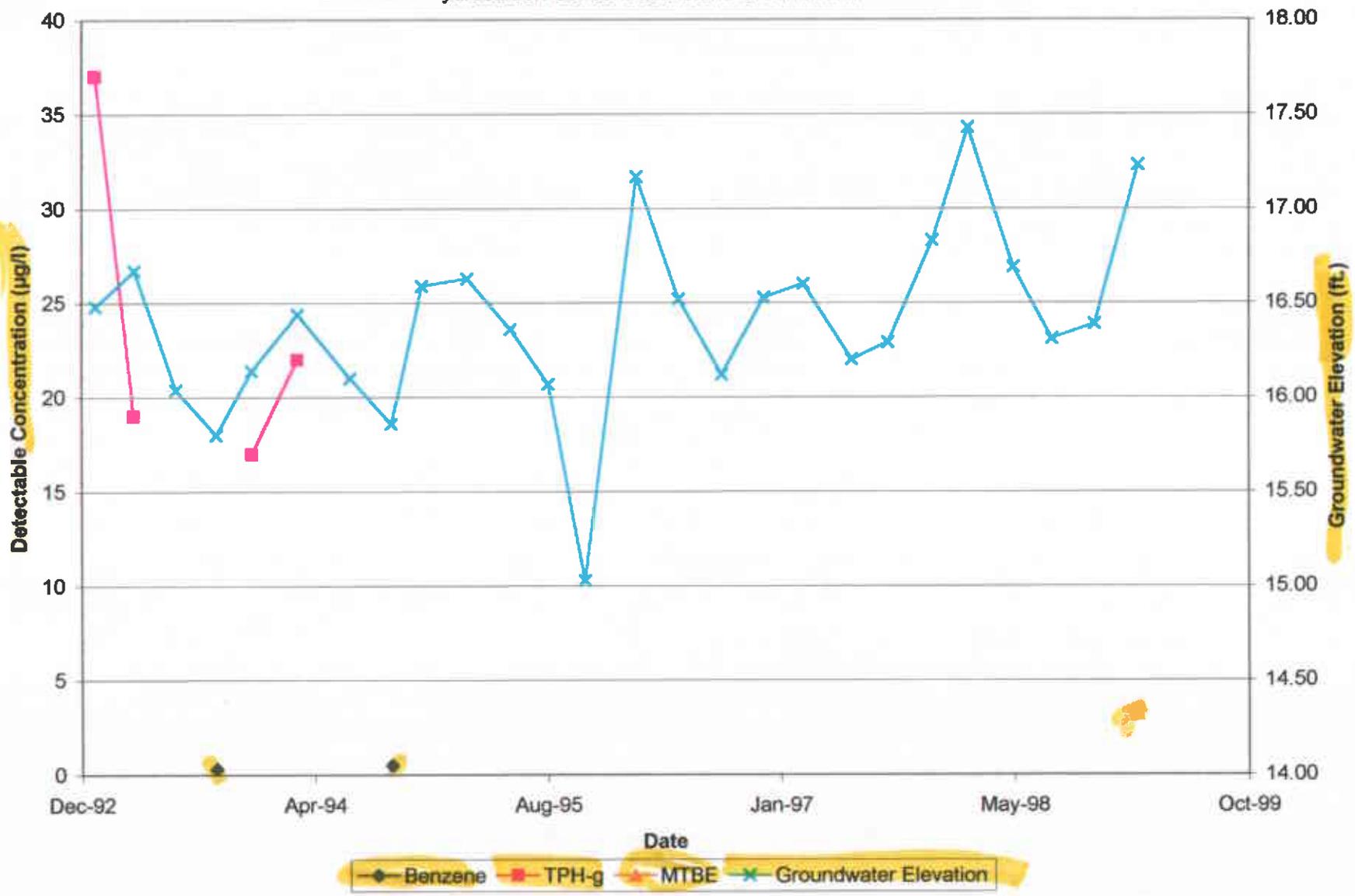
Graph 4, MW-4
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



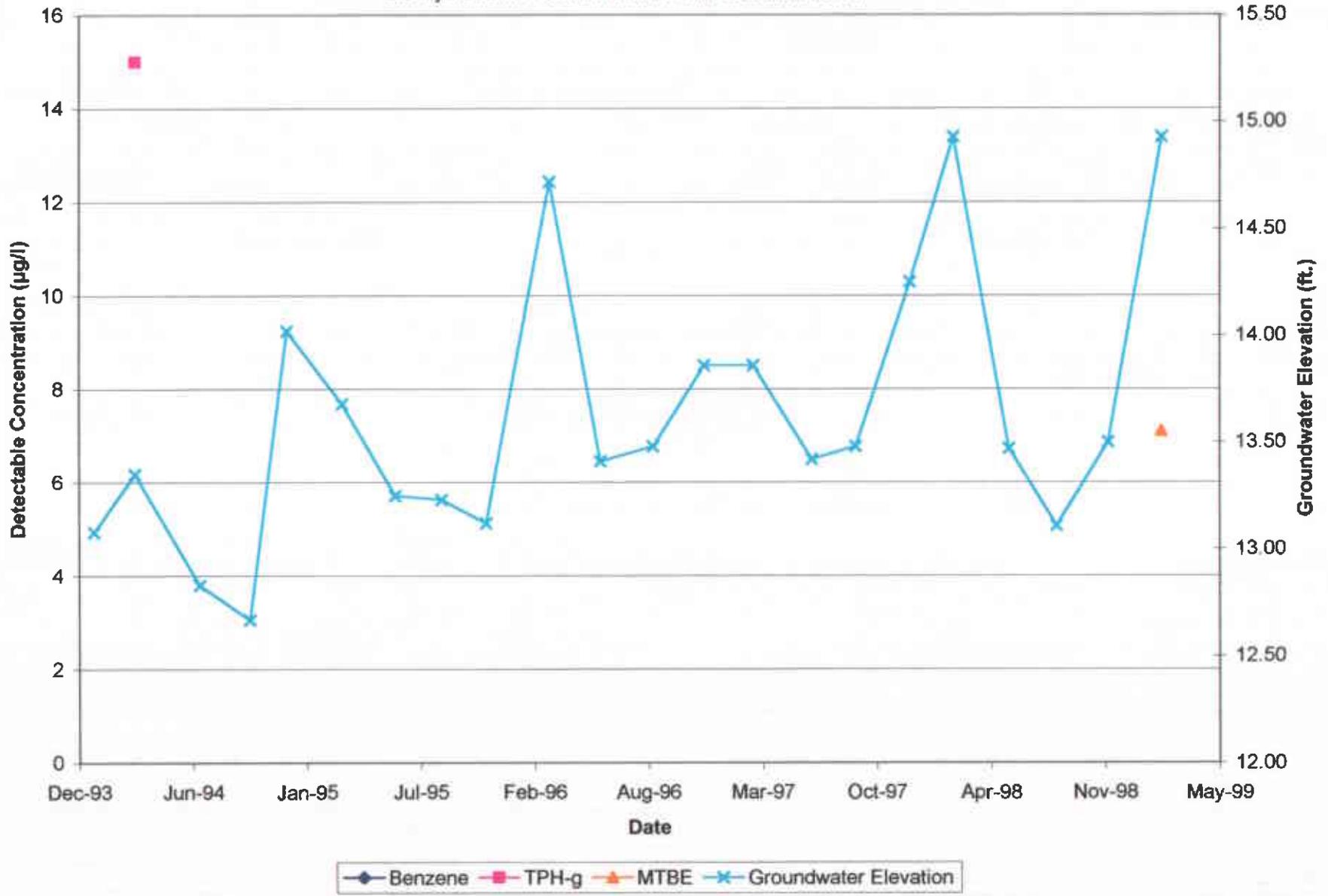
Graph 5, MW-5
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



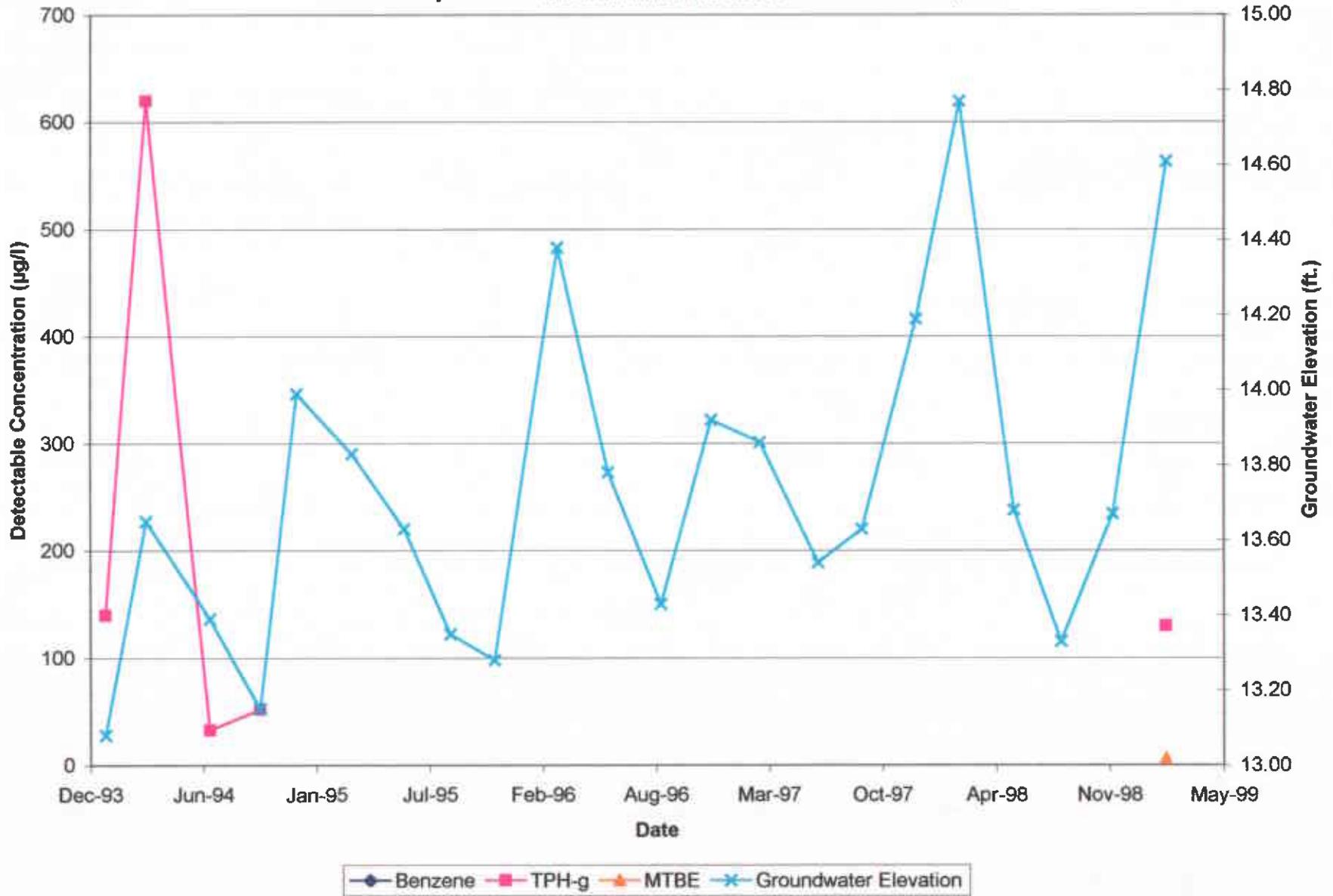
Graph 6, MW-6
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



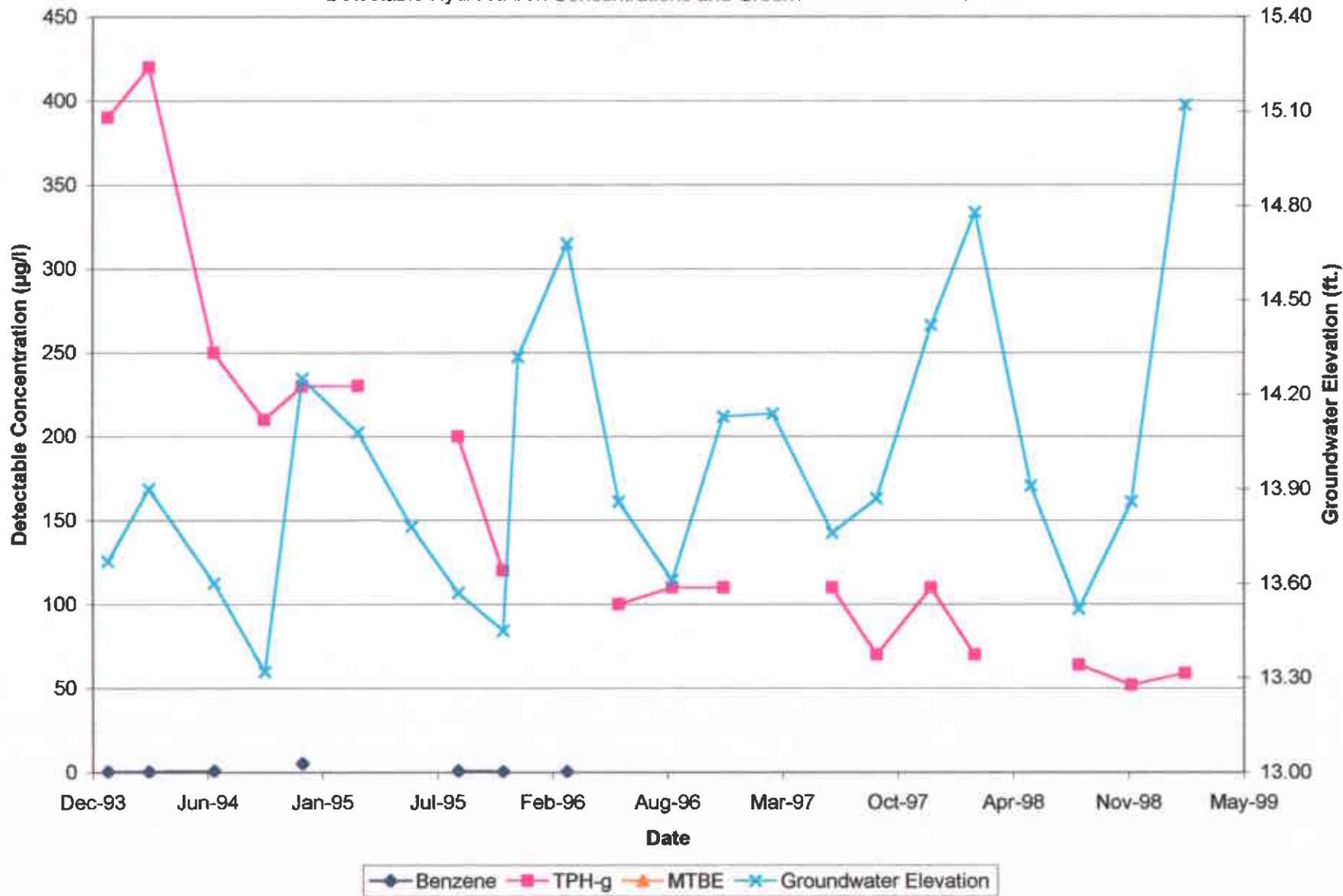
Graph 7, MW-7
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



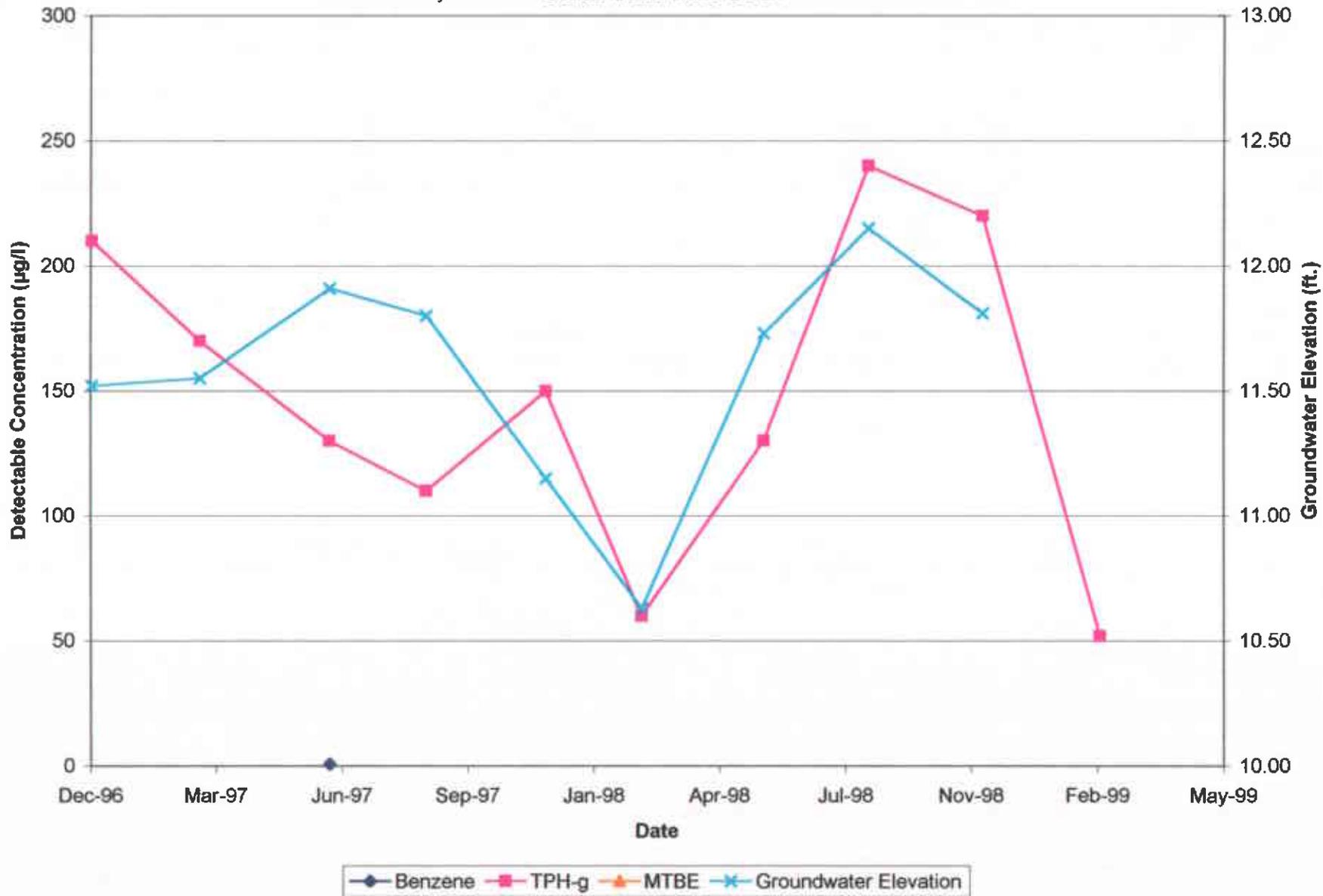
Graph 8, MW-8
 Sears Store No. 1058, 2633 Telegraph Avenue
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



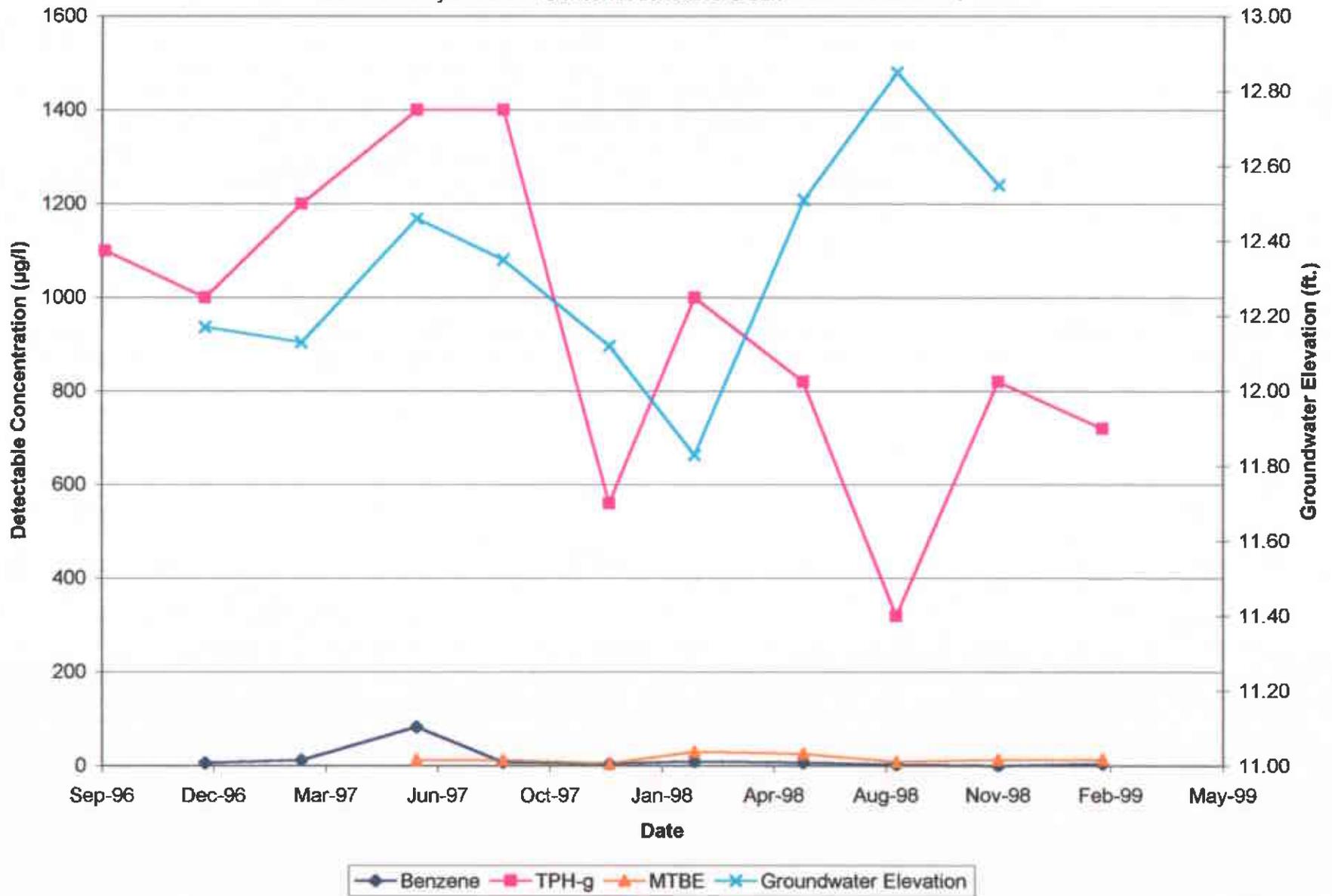
Graph 9, MW-9
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California

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



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
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(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-01

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

Attention: Ned Borglin

QC Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D
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Redwood City, CA 94063
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(916) 921-9600 FAX (916) 921-0100
(707) 792-1865 FAX (707) 792-0342
(650) 232-9600 FAX (650) 232-9612

IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9902650-01

Sampled: 02/09/99
Received: 02/10/99
Analyzed: 02/17/99
Reported: 02/26/99

GC Batch Number: GC021799BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results
TPPH as Gas	50	260
Methyl t-Butyl Ether	2.5	6.7
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	1.0
Xylenes (Total)	0.50	1.6
Chromatogram Pattern:		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
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FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-02

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

GC Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D
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(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9902650-02

Sampled: 02/09/99
Received: 02/10/99
Analyzed: 02/17/99
Reported: 02/26/99

GC Batch Number: GC021799BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	7.1
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
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Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
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(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Ned Borglin

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-03

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

QC Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
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1551 Industrial Road

Redwood City, CA 94063 (650) 364-9600 FAX (650) 364-9233
Walnut Creek, CA 94598 (925) 988-9600 FAX (925) 988-9673
Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100
Petaluma, CA 94954 (707) 792-1865 FAX (707) 792-0342
San Carlos, CA 94070-4111 (650) 232-9600 FAX (650) 232-9612

IT Corporation 757 Arnold Dr., Suite D Martinez, CA 94553 Attention: Ned Borglin	Client Proj. ID: Sears/Telegraph 1058 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9902650-03	Sampled: 02/09/99 Received: 02/10/99 Analyzed: 02/22/99 Reported: 02/26/99
---	---	---

QC Batch Number: GC022299BTEX03A
Instrument ID: GCHP03

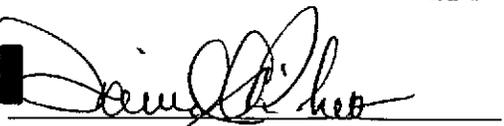
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	3.2
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	76

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



David A. Pichette
Project Manager



Sequoia Analytical

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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-04

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

Attention: Ned Borglin

C Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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IT Corporation 757 Arnold Dr., Suite D Martinez, CA 94553 Attention: Ned Borglin	Client Proj. ID: Sears/Telegraph 1058 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9902650-04	Sampled: 02/09/99 Received: 02/10/99 Analyzed: 02/17/99 Reported: 02/26/99
GC Batch Number: GC021799BTEX30A Instrument ID: GCHP30		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	140
Methyl t-Butyl Ether	2.5	8.0
Benzene	0.50	N.D.
Toluene	0.50	2.4
Ethyl Benzene	0.50	1.3
Xylenes (Total)	0.50	6.5
Chromatogram Pattern: Weathered Gas		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	102

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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IT Corporation 757 Arnold Dr., Suite D Martinez, CA 94553 Attention: Ned Borglin	Client Proj. ID: Sears/Telegraph 1058 Sample Descript: DUP Matrix: LIQUID Analysis Method: EPA 8020 Lab Number: 9902650-05	Sampled: 02/09/99 Received: 02/10/99 Analyzed: 02/19/99 Reported: 02/26/99
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C Batch Number: GC021999BTEX02A
Instrument ID: GCHP02

BTEX Distinction

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	102

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-06

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

C Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9902650-06

Sampled: 02/09/99
Received: 02/10/99
Analyzed: 02/22/99
Reported: 02/26/99

QC Batch Number: GC022299BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	130
Methyl t-Butyl Ether	2.5	5.8
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
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**Sequoia
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IT Corporation 757 Arnold Dr., Suite D Martinez, CA 94553 Attention: Ned Borglin	Client Proj. ID: Sears/Telegraph 1058 Sample Descript: MW-8 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9902650-07	Sampled: 02/09/99 Received: 02/10/99 Extracted: 02/17/99 Analyzed: 02/19/99 Reported: 02/26/99
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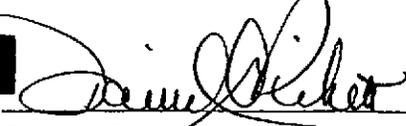
QC Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil Chromatogram Pattern:	500	N.D.
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


David A. Pichette
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**Sequoia
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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9902650-07

Sampled: 02/09/99
Received: 02/10/99
Analyzed: 02/19/99
Reported: 02/26/99

GC Batch Number: GC021999BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	59
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
Project Manager



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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: EW-01
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9902650-08

Sampled: 02/09/99
Received: 02/10/99
Extracted: 02/17/99
Analyzed: 02/19/99
Reported: 02/26/99

QC Batch Number: GC0217990HBPEXA
Instrument ID: GCHP5A

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit ug/L	Sample Results ug/L
Extractable HC as Motor Oil	500	1300
Chromatogram Pattern: Unidentified HC		C16-C36
Surrogates	Control Limits %	% Recovery
n-Pentacosane (C25)	50 150	126

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

David A. Pichette
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IT Corporation
 757 Arnold Dr., Suite D
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Client Proj. ID: Sears/Telegraph 1058
 Sample Descript: EW-01
 Matrix: LIQUID
 Analysis Method: 8015Mod/8020
 Lab Number: 9902650-08

Sampled: 02/09/99
 Received: 02/10/99
 Analyzed: 02/19/99
 Reported: 02/26/99

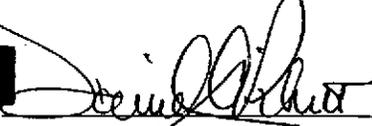
QC Batch Number: GC021999BTEX02A
 Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	720
Methyl t-Butyl Ether	2.5	14
Benzene	0.50	4.0
Toluene	0.50	N.D.
Ethyl Benzene	0.50	0.51
Xylenes (Total)	0.50	0.94
Chromatogram Pattern: Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


 David A. Pichette
 Project Manager



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IT Corporation
757 Arnold Dr., Suite D
Martinez, CA 94553
Attention: Ned Borglin

Client Proj. ID: Sears/Telegraph 1058
Sample Descript: TB/LB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9902650-09

Sampled: 02/09/99
Received: 02/10/99
Analyzed: 02/19/99
Reported: 02/26/99

C Batch Number: GC021999BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	92

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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IT Corporation
757 Arnold Dr., Suite D
Martinez
Attention: Ned Borglin

Client Project ID: Sears/Telegraph 1058

QC Sample Group: 9902650

Reported: Mar 1, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015A
Analyst: A. PORTER

ANALYTE Diesel

QC Batch #: GC0217990HBPEXA

Sample No.: 9902667-01

Date Prepared: 2/17/99

Date Analyzed: 2/19/99

Instrument I.D.#: GCHP5B

Sample Conc., ug/L: N.D.

Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 860

% Recovery: 86

Matrix

Spike Duplicate, ug/L: 840

% Recovery: 84

Relative % Difference: 2.4

RPD Control Limits: 0-50

LCS Batch#: BLK021799AS

Date Prepared: 2/17/99

Date Analyzed: 2/19/99

Instrument I.D.#: GCHP5B

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 720

LCS % Recovery: 72

Percent Recovery Control Limits:

MS/MSD 50-150

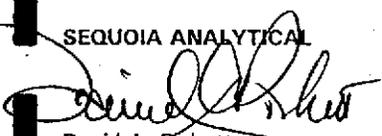
LCS 60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL


David A. Pichette
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IT Corporation
757 Arnold Dr., Suite D
Martinez
Attention: Ned Borglin

Client Project ID: Sears/Telegraph 1058

QC Sample Group: 9902650

Reported: Mar 1, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: BTF

ANALYTE Gasoline

QC Batch #: GC021799BTEX30A

Sample No.: GW9902679-1MS

Date Prepared: 2/17/99

Date Analyzed: 2/17/99

Instrument I.D.#: GCHP30

Sample Conc., ug/L: 74

Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 300

% Recovery: 90

Matrix

Spike Duplicate, ug/L: 320

% Recovery: 98

Relative % Difference: 8.5

RPD Control Limits: 0-25

LCS Batch#: GWLCS021799A

Date Prepared: 2/17/99

Date Analyzed: 2/17/99

Instrument I.D.#: GCHP30

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 250

LCS % Recovery: 100

Percent Recovery Control Limits:

MS/MSD 60-140

LCS 70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

David A. Pichette
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IT Corporation
757 Arnold Dr., Suite D
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Attention: Ned Borglin

Client Project ID: Sears/Telegraph 1058

QC Sample Group: 9902650

Reported: Mar 1, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: BTF

ANALYTE Gasoline

QC Batch #: GC022299BTEX03A

Sample No.: GW9902477-04MS
Date Prepared: 2/22/99
Date Analyzed: 2/22/99
Instrument I.D.#: GCHP03

Sample Conc., ug/L: N.D.
Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 250
% Recovery: 98

Matrix
Spike Duplicate, ug/L: 270
% Recovery: 108

Relative % Difference: 9.7

RPD Control Limits: 0-25

LCS Batch#: GWLCS022299A

Date Prepared: 2/22/99
Date Analyzed: 2/22/99
Instrument I.D.#: GCHP03

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 280
LCS % Recovery: 112

Percent Recovery Control Limits:

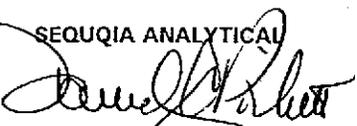
MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL


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IT Corporation
757 Arnold Dr., Suite D
Martinez
Attention: Ned Borglin

Client Project ID: Sears/Telegraph 1058

QC Sample Group: 9902650

Reported: Mar 1, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: TLP

ANALYTE Gasoline

QC Batch #: GC021999BTEX02A

Sample No.: GW9902650-07

Date Prepared: 2/19/99

Date Analyzed: 2/19/99

Instrument I.D.#: GCHP02

Sample Conc., ug/L: N.D.

Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 290

% Recovery: 116

Matrix

Spike Duplicate, ug/L: 250

% Recovery: 100

Relative % Difference: 15

RPD Control Limits: 0-25

LCS Batch#: GC021999BTEX02A

Date Prepared: 2/19/99

Date Analyzed: 2/19/99

Instrument I.D.#: GCHP02

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 220

LCS % Recovery: 88

Percent Recovery Control Limits:

MS/MSD 60-140

LCS 70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

David A. Pichette
Project Manager



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
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 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT Project Name: Sears telegraph #2603 1058
 Mailing Address: 757 Arnold DR. Suite D Billing Address (if different):
 City: Martinez State: CA Zip Code: 94533 Job # 116603, 03054300
 Telephone: (925) 370-3790 FAX #: (925) 370-3991 P.O. #:
 Report To: NEO Berlin Sampler: Steve Kelso QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days
 5 Working Days 24 Hours

Analyses Requested
 Drinking Water
 Waste Water
 Other

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested						Comments	
1. MW-1	2-9-99 11:45		2	LITERS									
2. MW-1	2-9-99 11:45		3	VOA									
3. MW-6	2-9-99 12:00		2	LITERS									
4. MW-6	2-9-99 12:00		3	VOA									
5. MW-5	2-9-99 12:15		2	LITERS									
6. MW-5	2-9-99 12:15		3	VOA									
7. MW-4	2-9-99 12:30		2	LITERS									
8. MW-4	2-9-99 12:30		3	VOA									
9.													
10. DUP	2-9-99 12:30		3	VOA									

Relinquished By: <u>[Signature]</u>	Date: <u>2/9/99</u>	Time: <u>1230</u>	Received By: <u>[Signature]</u>	Date: <u>2.9.99</u>	Time: <u>1230</u>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

Pink - Client
Yellow - Sequoia
White - Sequoia

