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IT CORPORATION
A Member of The IT Group

Transmittal Letter

Date: January 15, 1999

To: Mr. Dale Klettke, CHMM

Company: Alameda County Health Care Services Agency

Address: 1131 Harbor Bay Parkway, Suite 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:

We are sending you herewith the Fourth Quarter 1998 Groundwater Monitoring and Sampling Report dated January 15, 1999, for the Sears Store No. 1058 located at 2633 Telegraph Avenue, in Oakland, California. If you have comments or questions, please contact me at (925) 370-3990 extension 222.

Sincerely,
IT Corporation

Ned Borglin
Staff Scientist

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

757 Arnold Drive, Suite D, Martinez, California 94553 (925) 370-3990, (925) 370-3991 (Fax)

IT CORPORATION

A Member of The IT Group

January 15, 1999

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

Subject: Fourth Quarter 1998 Groundwater Monitoring and Sampling Report
Former Sears 1058, 2633 Telegraph Avenue, Oakland, California
IT Corporation Project 103232

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 November 10, 1998, from the above referenced site. 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 present in monitoring well MW-3; therefore, the well was not sampled. 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, six of the seven 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 EPA Methods 8020/modified 8015, and TPH as motor oil (TPH-mo) using modified EPA Method 8015 (GC/FID).

Static groundwater elevations for the fourth quarter 1998 ranged from 13.50 to 16.39 feet above mean sea level. Groundwater elevations have increased by 0.5 foot since third quarter 1998 (August 11, 1998). The apparent groundwater flow is to the south at an average hydraulic gradient of 0.02 foot per foot, and is consistent with previous quarterly data.

Results of quarterly sampling indicated no detectable benzene concentrations in any of the sampled monitoring wells. Except for monitoring well EW-1, none of the monitoring wells contained detectable concentrations of MTBE. Monitoring wells MW-1, MW-4, MW-8, MW-9 and EW-1 contained detectable concentrations of TPH-g. Monitoring wells MW-2, MW-4, and EW-1 contained detectable concentrations of TPH-mo. A 0.03-foot-thick layer of separate-phase hydrocarbons was measured in monitoring well MW-3. Previous analyses of dissolved hydrocarbons in MW-3 indicate

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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 for applicable remediation methods to address the dissolved-phase plume and separate-phase hydrocarbons. A remedial action plan (RAP) will be prepared, based on data from pilot tests conducted in 1996, and submitted to Alameda County Health Care Services Agency for approval.

The pilot test report concluded that according to the 1995 Lawrence Livermore National Laboratory (LLNL) report 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 (high-molecular weight) hydrocarbons adsorbed on the vadose zone will not need to be actively remediated. The SPH will require removal, however."

The RAP will focus on separate-phase hydrocarbons removal by installation of a passive skimmer in monitoring well MW-3. A small fenced compound will be needed to house a 55-gallon drum into which the skimmer will be manually emptied on a regular basis.

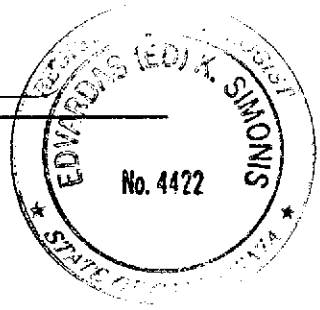
If you have any comments or questions, please contact me at (925) 370-3990 extension 266.

Sincerely,
IT CORPORATION
Submitted by:

Melissa Gossell
West Zone Project Manager

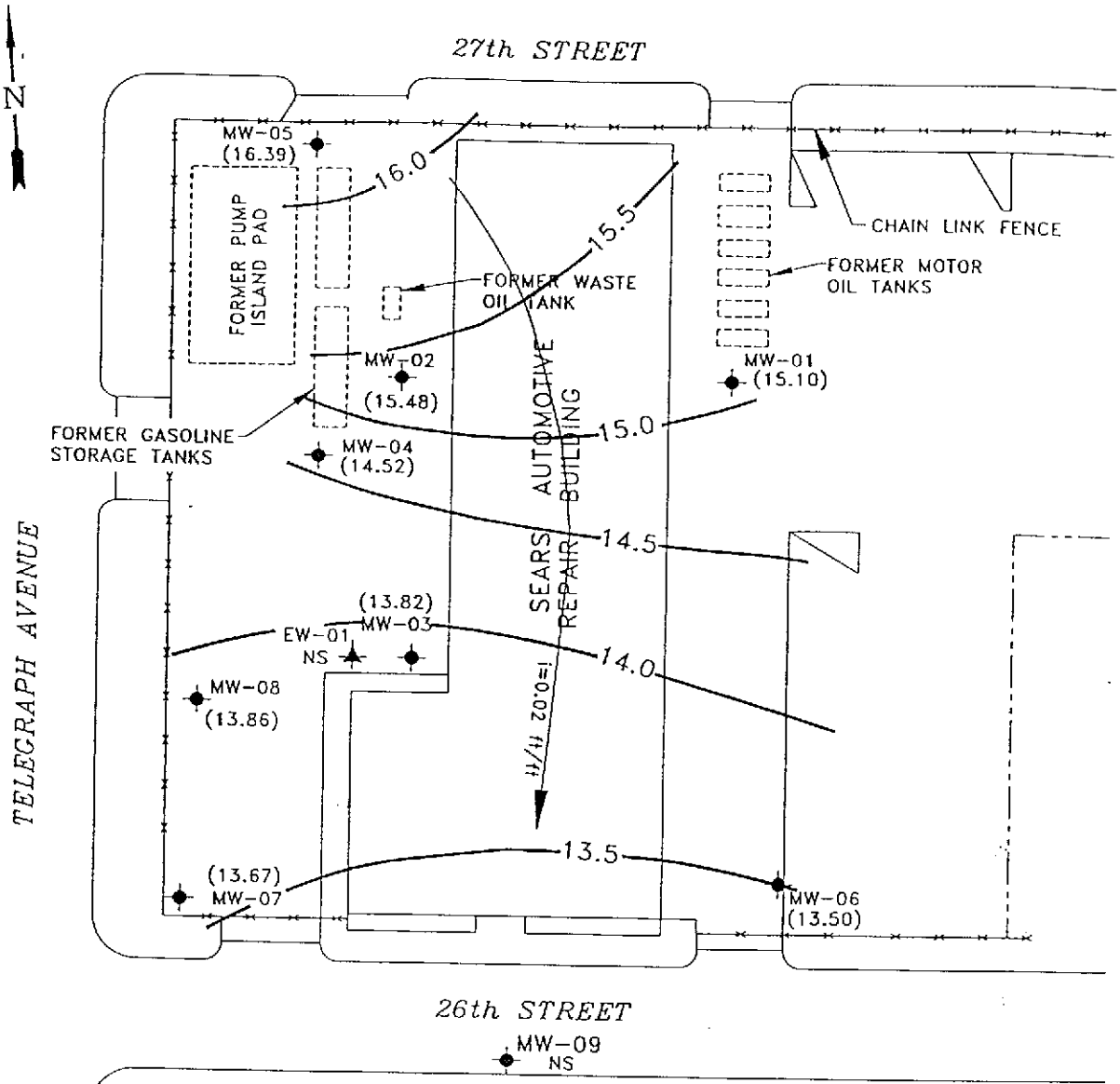
IT CORPORATION
Approved by:

Ed K. Simonis, R.G.
Senior Geologist



Attachments:
1. Figures
2. Tables
3. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheets
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



LEGEND

- MONITORING WELL
- EXTRACTION WELL
- ( ) POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- NS NOT SURVEYED
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 ft
- i=0.02 GROUNDWATER FLOW DIRECTION AND AVERAGE GRADIENT (ft/ft)

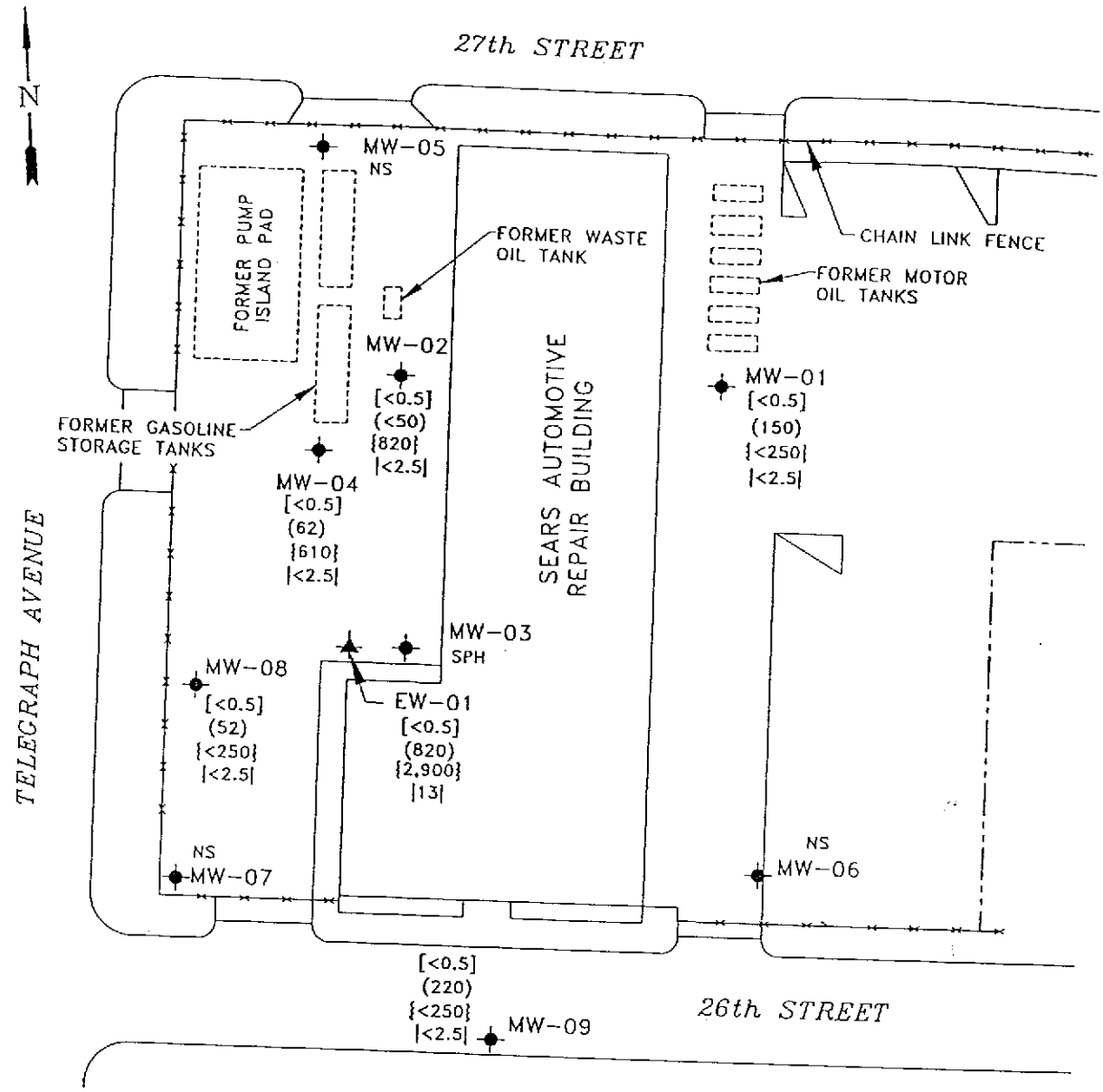
REGISTERED GEOLOGIST
EDVARDAS (EDI) K. SIMONIS
No. 4422
STATE OF CALIFORNIA

FLUOR DANIEL GTI

0 FEET 40
SCALE

POTENTIOMETRIC SURFACE MAP (GAUGED 11/10/98)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: PSMN1098 (1:40)	PROJECT NO.: 103232	PM	PE/RG
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV.		FIGURE: 1	
	DES. BP	DET. ML	DATE: 12/1/98	



LEGEND

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

REGISTERED GEOLOGIST
EDWARDAS (ED) K. SIMONIS
No. 4422
STATE OF CALIFORNIA

FLUOR DANIEL GTI

0 FEET 40
SCALE

CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE, TPH-AS-MOTOR OIL & MTBE IN GROUNDWATER SAMPLED (11/10/98)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: BENN1098	PROJECT NO.: 103232	PM	PE/RG
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV.			FIGURE: 2
	DES. BP	DET. ML	DATE: 12/5/98	

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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	--	--	14.51
		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
		05/20/98	10.89	--	--	15.31
		08/11/98	11.60	--	--	14.60
		11/10/98	11.10	--	--	15.10

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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	--	--	15.56
		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
		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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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	13.36
		10/22/93	NM	12.96	NA	NA
		11/03/93	13.13	13.02	0.11	13.30
		11/24/93	12.94	12.92	0.02	13.42
		12/01/93	12.71	12.69	0.02	13.65
		12/27/93	12.77	12.73	0.04	13.60
		01/05/94	12.85	12.83	0.02	13.51
		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	13.51
		07/28/94	12.93	12.89	0.04	13.44
		08/31/94	13.04	13.01	0.03	13.32
		09/27/94	13.13	13.02	0.11	13.30
		10/28/94	13.30	13.08	0.22	13.22
		11/15/94	11.05	11.02	0.03	15.31
		12/01/94	11.90	11.88	0.02	14.46
		01/04/95	11.80	11.76	0.01	14.55
		02/01/95	12.00	11.98	0.02	14.36
		03/08/95	12.35	12.30	0.05	14.03
		04/03/95	12.09	12.05	0.04	14.28
		05/18/95	12.43	12.40	0.03	13.93
		06/09/95	12.60	12.58	0.02	13.76
		07/13/95	12.55	12.46	0.09	13.87
		08/03/95	12.64	12.61	0.03	13.73
		08/29/95	12.65	12.62	0.03	13.71
		09/15/95	13.00	12.86	0.14	13.45*
		10/20/95	12.86	12.03	0.03	13.50*
		11/15/95	12.81	12.74	0.07	13.59*
		01/15/96	12.60	12.47	0.13	13.84*
		03/05/96	11.68	11.64	0.04	14.69
		04/19/96	12.36	12.34	0.02	14.00
		05/10/96	11.93	11.91	0.02	14.43
		06/03/96	12.93	12.50	0.43	13.75
		09/04/96	12.60	12.55	0.05	13.79
		12/02/96	12.11	12.00	0.03	14.25
		02/26/97	12.03	12.02	0.01	14.32
		06/09/97	12.39	12.35	0.04	13.98
		08/25/97	12.28	12.25	0.03	14.04
		11/28/97	12.13	12.10	0.03	14.24
		02/12/98	11.85	11.82	0.03	14.51
		05/20/98	12.51	12.48	0.03	13.85
		08/11/98	12.97	12.79	0.18	13.51
		11/10/98	12.54	12.51	0.03	13.82

* Corrected elevations. Review of calculations indicated that these elevations were incorrect in past reports.

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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	--	--	14.99
		12/27/93	11.80	--	--	14.97
		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	--	--	14.20
		07/28/94	11.97	--	--	14.27
		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	--	--	14.46
		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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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	--	--	15.60
		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
		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	--	--	16.40
		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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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
		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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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
		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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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
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

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 Elev.	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elev.
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

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	–	[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
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	–	[d]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	–	–	–
	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

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	[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
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	--
	12/01/93	<0.3	<0.3	<0.3	<0.5	150	390	--	[a]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

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	[a,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
	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
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	--	[N]D	--
	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	--	[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	--	[g]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

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	[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
	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
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	--	[d]9	--
	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

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
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

Notes:

--	=	No datum 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 a 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 which 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:

(Product thickness) x (0.8) + (Water elevation) = 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 samples 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, ethyl benzene, 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 then 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: 103232.00 Technician: AM
Site: SEARS/#1058/Oakland, CA Scheduled: 11/09/98
Project Mgr: Melissa Gossell Site Mgr: B. Pierskalla

11-10-98

PREPARATORY COMMENTS

Visit Date: 9:30 Arrival Time: 9:30 Departure Time: 14:00

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: 030543 [Quarterly]

SITE ADDRESS: 2633 Telegraph Avenue, Oakland, CA

cc: Melissa Gossell, Ned Borglin

Notify Tom Peacock 72 hrs in advance (510) 567-6782 DONE: 11/5/98 Left message @ 8:05 AM J Ellings

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: 103232.00 Technician: [illegible]
Site: SEARS/#1058/Oakland, CA Scheduled: 11/09/98
Project Mgr: Melissa Gossell Site Mgr: B. Pierskalla

GROUNDWATER SAMPLING (Continued) - Task Nr: 030543 [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 Sequioa 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? Yes. IF NO, EXPLAIN _____.

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

HOURS ESTIMATED FOR MARCH/AUG 6.0 (5 Onsite, 1 Travel) JUNE/DEC 5.0

Hours Estimated	6.00	Hours Used	6.00

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: 103232.00 Technician:
Site: SEARS/#1058/Oakland, CA Scheduled: 11/09/98
Project Mgr: Melissa Gossell Site Mgr: B. Pierskalla

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

Technician: H MERINO
Schedule:
Job No. 103232.030543

PREPATORY COMMENTS

Visit Date: 11-10-98 Arrival Time: 9:00 Departure Time: 14:00

Called Project Manager? YES (NO) Time:_____ Who:_____

If you did not call, why not?_____

Weather: (Rain) Snow Sunny (Cloudy) Temperature:_____

WELL GAUGING - TASK Nr: 030543 [MONTHLY]

Decon IP between each well. IP #:_____

MW-1:	DTB_21.72	DTW	11.10	DTP	_____	PT	_____ S
MW-2:	DTB_21.79	DTW	11.02	DTP	_____	PT	_____ S
MW-3:	DTB_24.67	DTW	12.54	DTP	12.51	PT	0.03 NS
MW-4:	DTB_22.97	DTW	11.65	DTP	_____	PT	_____ S
MW-5:	DTB_25.27	DTW	10.59	DTP	_____	PT	_____
MW-6:	DTB_22.05	DTW	10.82	DTP	_____	PT	_____
MW-7:	DTB_21.70	DTW	11.21	DTP	_____	PT	_____
MW-8:	DTB_22.14	DTW	12.26	DTP	_____	PT	_____ S
MW-9:	DTB_20.30	DTW	11.81	DTP	_____	PT	_____ S
EW-1	DTB_22.30	DTW	12.55	DTP	_____	PT	_____ S

NOTES: Monitored and Sampled all Wells

HOURS ESTIMATED: HOURS USED: 6.00

* NOTE: Make sure all wells are locked - Replace any locks which are damaged or missing.

SITE VISIT FORM
FLUOR DANIEL GTI

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

Technician:
Schedule:
Job No. 103232.030543

TECHNICIAN'S COMMENTS

TOTAL HOURS ESTIMATED: HOURS USED:

TRAVEL TIME ESTIMATED: TRAVEL TIME USED:

TECHNICIAN

Store Number 1058 Address/City/State/ZIP 2633 TELEGRAPH AVE OAKLAND CA

Sears Facility Contact and Phone #

Fluor Daniel GTI Representative H MERINO

Accumulation Start Date 11-10-98 Completion Date: 11-10-98

Exact Drum Storage Location BEHIND OLD SEARS GARAGE NEXT TO FENCE, CLOSE TO 26TH ST. SIDE OF PROPERTY EAST SIDE

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			O or B	H / N / U	
GASOLINE IMPACTED PURGE WATER	4	A,B,C,D	O or B	H / N (U)	WATERDP BLACK BOTTOM
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!

BULK MATERIAL INVENTORY FORM

Store Number 1058 Address/City/State/ZIP OAKLAND CA

Sears Facility Contact and Phone #

Fluor Daniel GTI Representative H MERINO

Accumulation Start Date 11-10-98 Completion Date 11-10-98

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 _____ ÷ 2 ÷ 27 = _____ Yds^3

Calculation for a rectangular or square shaped soil pile:

Length _____ X Width _____ X Height _____ ÷ 27 = _____ Yds^3

Calculation for a conical (cone) shaped soil pile:

.04 X Radius _____ X Radius _____ X Height _____ = _____ Yds^3

DRUMMED MATERIAL INVENTORY FORM

Store Number 1058 City/State OAKLAND CA.

Fluor Daniel GTI Representative H. MERWO

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

DRUM ID	ACCUMU-LATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific)	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	5-20-98	PURGEWATER	GROUND WATER	NO	55
B	8-11-98	↓	↓	NO	55
C	8-11-98	↓	↓	NO	55
D	11-10-98	↓	↓	NO	55

EXAMPLE

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

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

Project Number: 103232.030543

Page 1 of 1

Project Manager: Melissa Gossell

Well ID: MW-1

Well Diameter: 2

DTW Measurements:
Initial: 11.10
Recharge: 11.25
DTB: 21.72

Calc Well Volume: 1.7 gal
Well Volume: x3 5.1 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible X

Pump Depth_____ft.
Hand Bailed_____
Air Lift_____
Other_____

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
10:48	20.8	0.59	6.31	1	CLOUDY	
10:50	21.4	0.58	6.34	2	↓	
10:52	21.9	0.59	6.37	3		
10:54	22.0	0.60	6.30	4		
10:56	22.0	0.61	6.30	5		

Project Number: 103232.030543

Project Manager: Melissa Gossell

Well ID: MW-9

Well Diameter: 2

DTW Measurements: Initial: 11.81 Recharge: 12.10 DTB: 20.36

Calc Well Volume: 1.3 gal

Well Volume: X3 4.1 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible X

Pump Depth_____ft.
Hand Bailed_____
Air Lift_____
Other_____

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
11:08	19.1	0.18	6.43	1	CLOUDY	GREY
11:09	19.3	0.71	6.42	2	↓	↓
11:10	20.1	0.73	6.43	3		
11:11	20.5	0.75	6.45	4		
11:12	20.7	0.75	6.46	5	↓	✓

Site Address: 2633 Telegraph Ave., Oakland
Project Number: 103232.030543

Page 2 of 1
Project Manager: Melissa Gossell

Well ID: MW-8
Well Diameter: 2

DTW Measurements:
Initial: 12.26 Calc Well Volume: 1.6 gal
Recharge: 12.89 Well Volume: x3 4.8 gal
DTB: 22.14

Purge Method
Peristaltic_____
Gear Drive_____
Submersible x

Pump Depth_____ft.
Hand Bailed_____
Air Lift_____
Other_____

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

Time	Temp x C ✓ F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
11:24	21.9	0.66	6.37	1	cloudy	
11:25	22.1	0.67	6.38	2		
11:26	22.2	0.68	6.39	3		
11:27	22.2	0.68	6.40	4		
11:28	22.1	0.69	6.40	5	✓	

Site Address: 2633 Telegraph Ave., Oakland
Project Number: 103232.030543

Page 4 of 7
Project Manager: Melissa Gossell

Well ID: MW-2
Well Diameter: 2

DTW Measurements
Initial: 11.02
Recharge: 11.15
DTB: 21.79

Calc Well Volume: 1.7 gal
Well Volume: X3 5.2 gal

Purge Method
Peristaltic
Gear Drive
Submersible X

Pump Depth ft.
Hand Bailed
Air Lift
Other

Instruments Used
YSI: X
Hydac:
Omega:
Other:

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
1:39	21.3	0.61	6.38	1	CLOUDY	
1:40	21.9	0.62	6.37	2		
1:41	22.1	0.62	6.38	3		
1:42	22.2	0.62	6.39	4		
1:43	22.1	0.62	6.39	5		DRY @ 5 GALLONS

Project Number: 103232.030543

Project Manager: Melissa Gossell

Well ID: FW-1

Well Diameter: 4

DTW Measurements: Initial: 12.55 Recharge: 13.02 DTB: 22.30

Calc Well Volume: 6.3 gal

Well Volume: X3 19.1 gal

Purge Method
Peristaltic_____
Gear Drive_____
Submersible X

Pump Depth_____ ft.
Hand Bailed_____
Air Lift_____
Other_____

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
12:10	22.0	0.84	6.54	5	cloudy	
12:13	22.4	0.86	6.55	10	↓	
12:16	22.4	0.84	6.56	15		
12:19	22.7	0.89	6.58	20		

Project Address: 2000 Telegraph Ave., Oakland
Project Number: 103232.030543
Page 1 of 1
Project Manager: Melissa Gossell

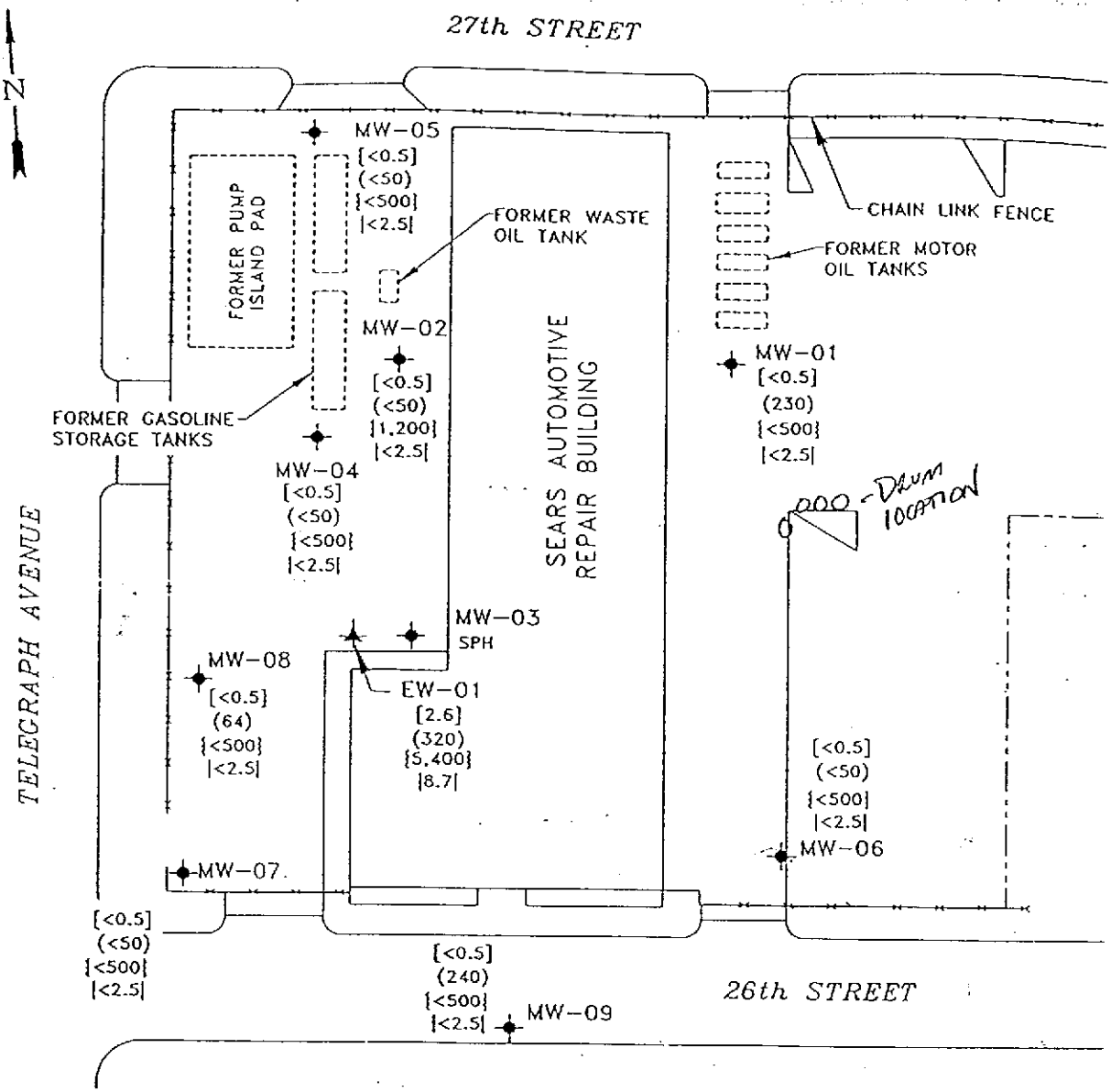
Well ID: MW-3
Well Diameter: 4
DTW Measurements:
Initial: /
Recharge:
DTB: 24.67
Calc Well Volume: gal
Well Volume: X3 gal

Purge Method
Peristaltic
Gear Drive
Submersible X

Pump Depth ft.
Hand Bailed
Air Lift
Other

Instruments Used
YSI: X
Hydac:
Omega:
Other:

Time	Temp C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
						P.T. IN WELL



LEGEND

- MONITORING WELL
- EXTRACTION WELL
- [ ] BENZENE CONCENTRATIONS {ug/l}
- ( ) TPH-AS-GASOLINE (ug/l)
- { } TPH-AS-MOTOR OIL {ug/l}
- | | METHYL TERT-BURYL ETHER (MTBE) |ug/L|
- SPH SEPARATE-PHASE HYDROCARBONS

FLUOR DANIEL GTI

0 FEET 40
SCALE

CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE, TPH-AS-MOTOR OIL & MTBE IN GROUNDWATER SAMPLED (8/11/98)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: BEN81198	PROJECT NO.: 103232	PM	PE/RG
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV.			FIGURE: 2
	DES. BP	DET. ML	DATE: 9/9/98	

[redacted] SEQUOIA ANALYTICAL [redacted]
CHAIN OF CUSTODY

[redacted] 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233 [redacted]
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: FLUOR DANIEL GTI
Address: 757 ARNOLD DR. SUITE D
City: MARTINEZ State: CA Zip Code: 94553
Telephone: (925) 370-3990 FAX #: (925) 370-3991
Report To: MELISSA GOSSELL Sampler: LEONA NERINO

Project Name: SEARS #1058 TELEGRAPH
Billing Address (if different): 103232.030543
P.O. #:
QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

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

☐ Drinking Water ☒ Waste Water ☐ Other

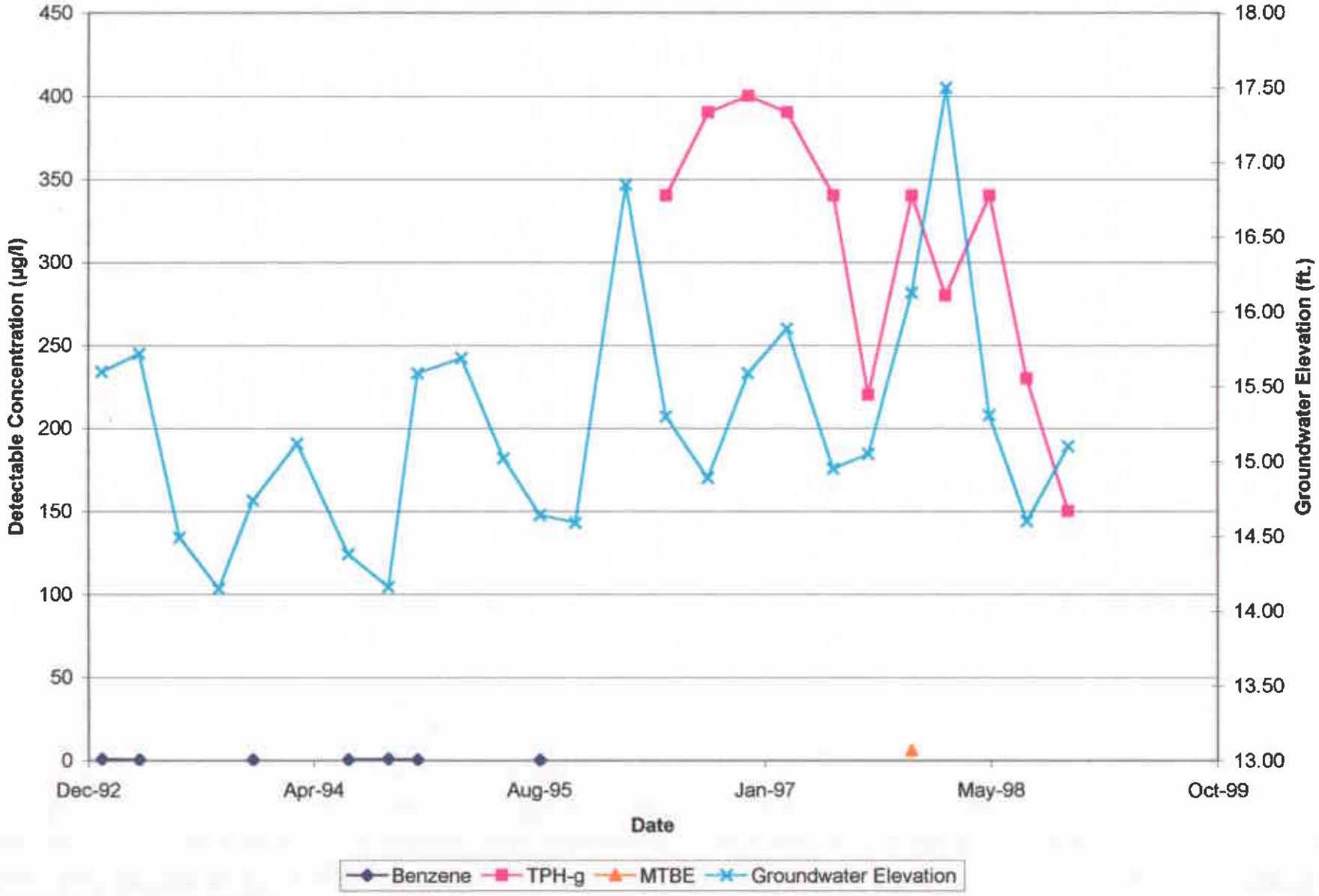
Analyses Requested

	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	BTEX/MTBE/TPH-G	TPH/HYDRO	BTEX 8020								Comments
1.	MW-9	11 12:30	GW	5	40ML GLASS		X	X									
2.	MW-1	12:40		5			X	X									
3.	MW-8	12:50		5			X	X									
4.	MW-2	10 1:00		5			X	X									
5.	MW-4	1:10		5			X	X									
6.	EW-1	1:25		5			X	X									
7.	DUPMW4	1:10		3	40ML				X								
8.	TBLB	98	DI	1					X								
9.																	
10.																	

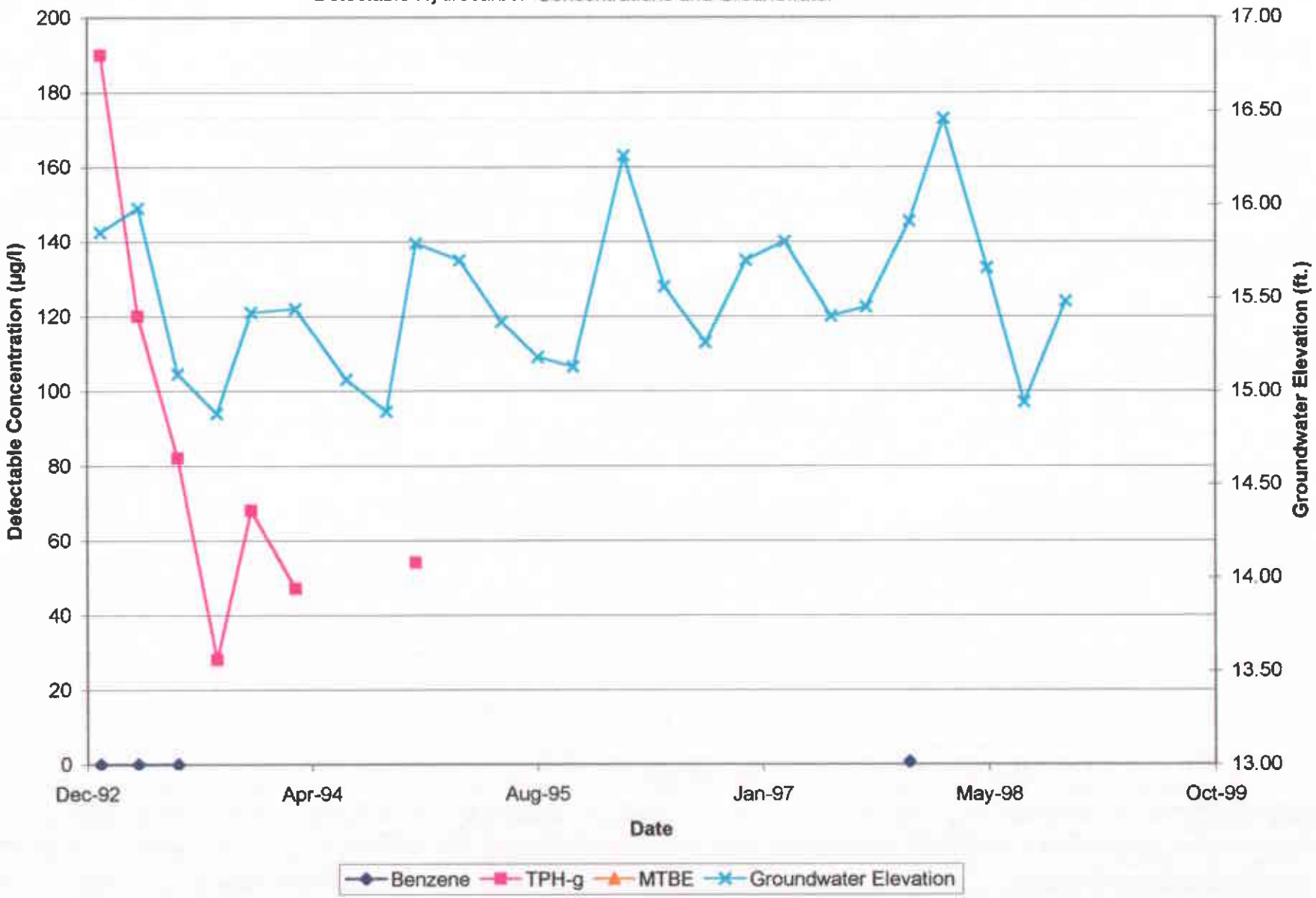
Relinquished By: [signature]	Date: 11/11/98	Time: 1631	Received By: [signature]	Date: 11.11.98	Time: 1631
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment ____ Page ___ of ___

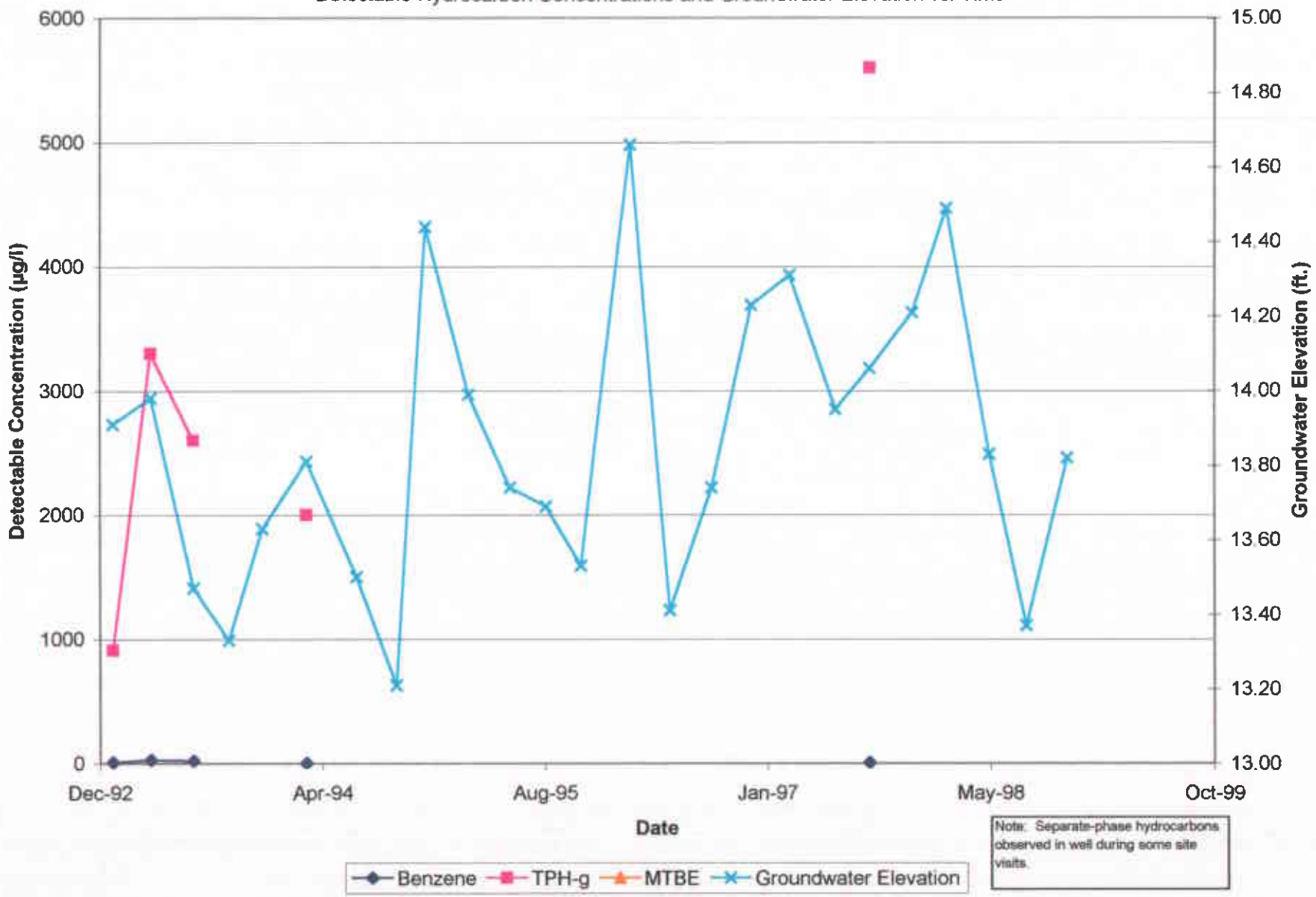
Graph 1, MW-1
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



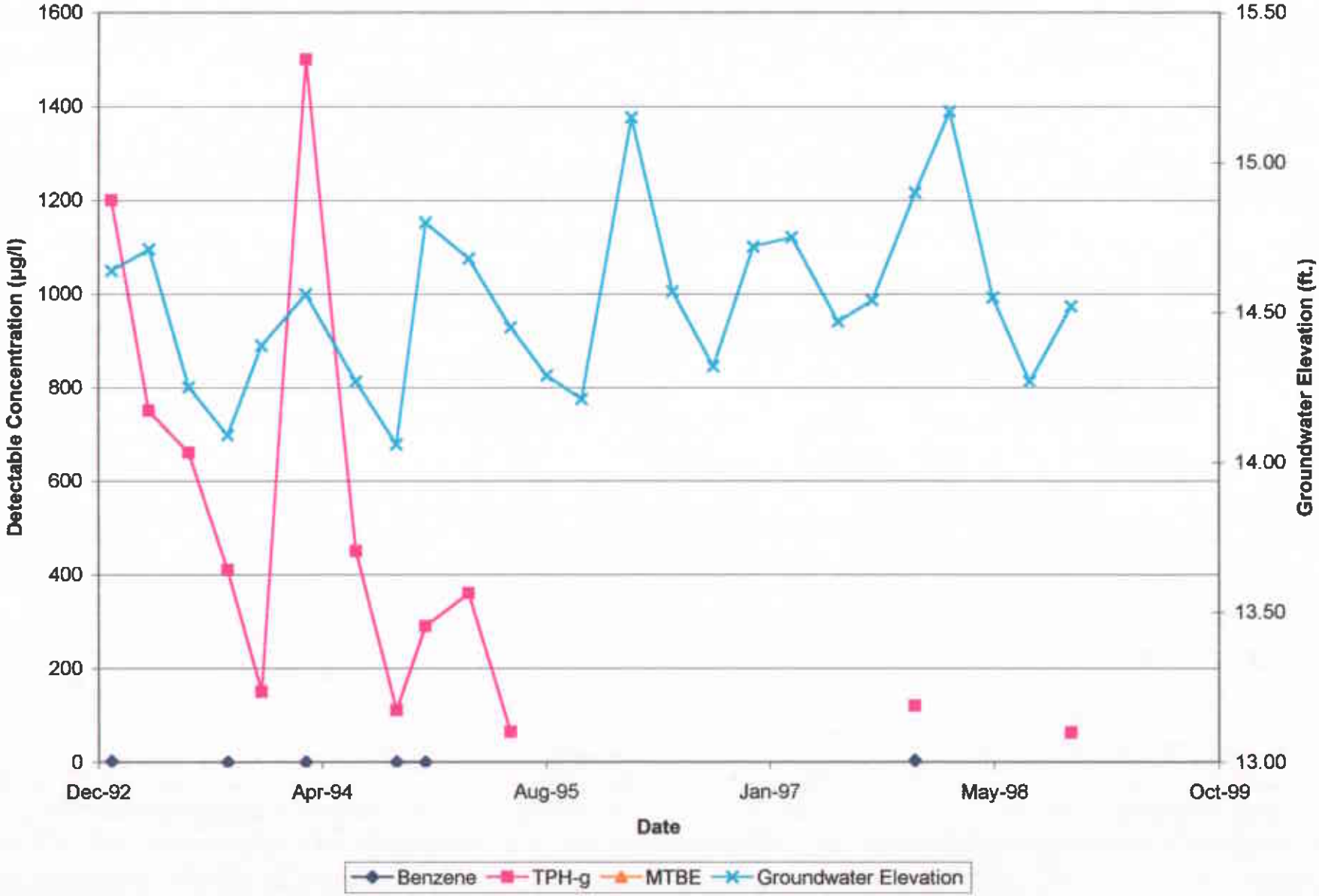
Graph 2, MW-2
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



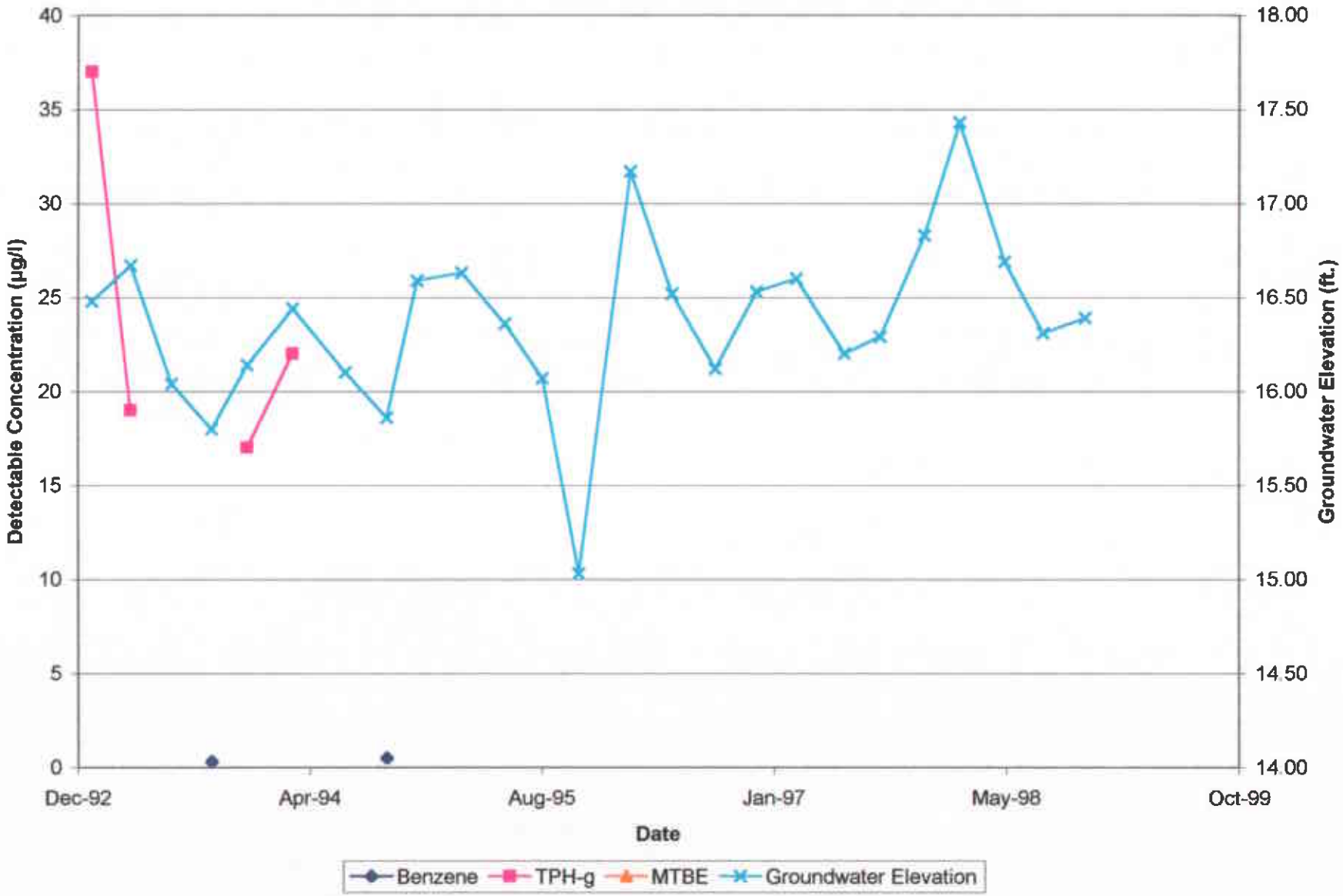
Graph 3, MW-3
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



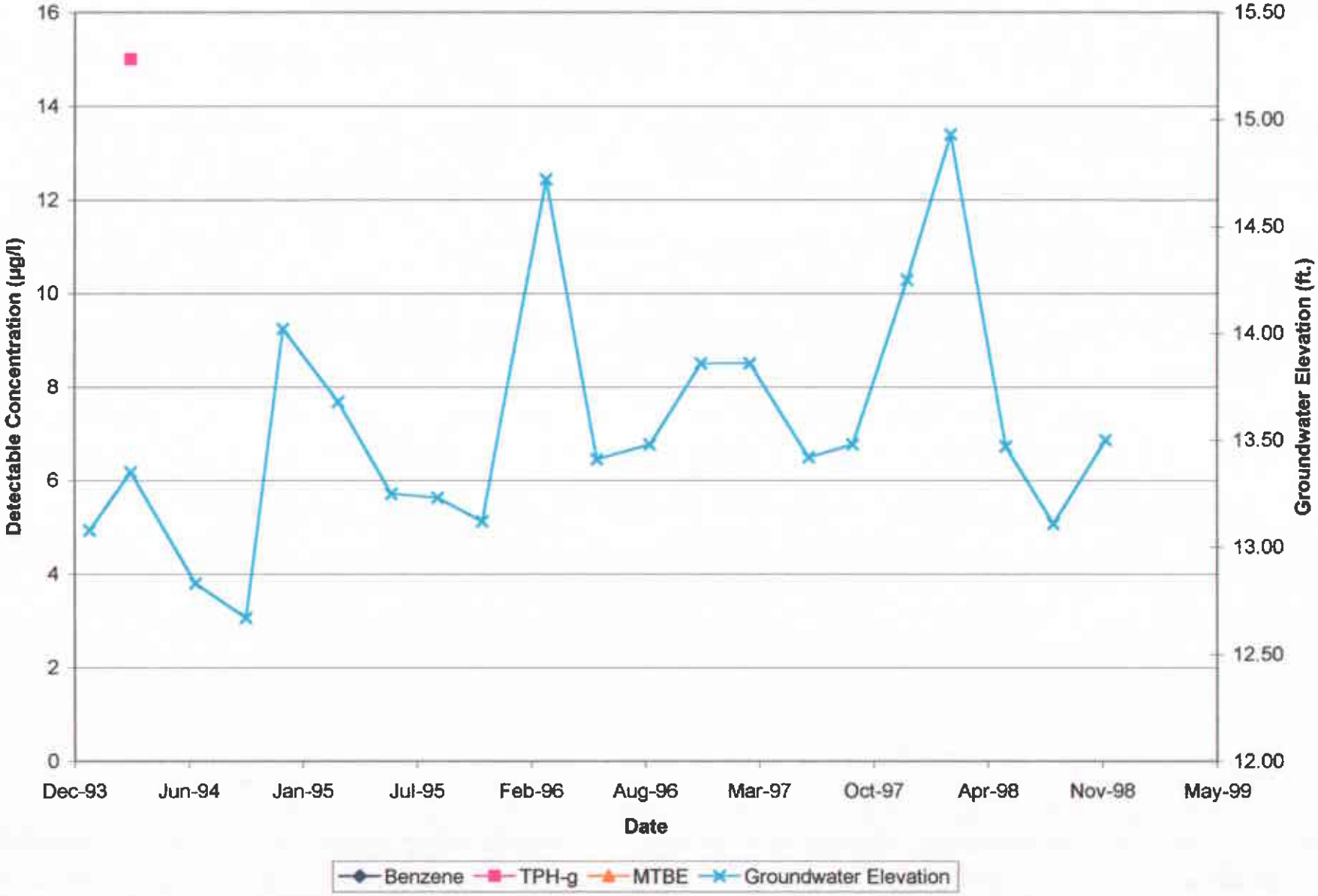
Graph 4, MW-4
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



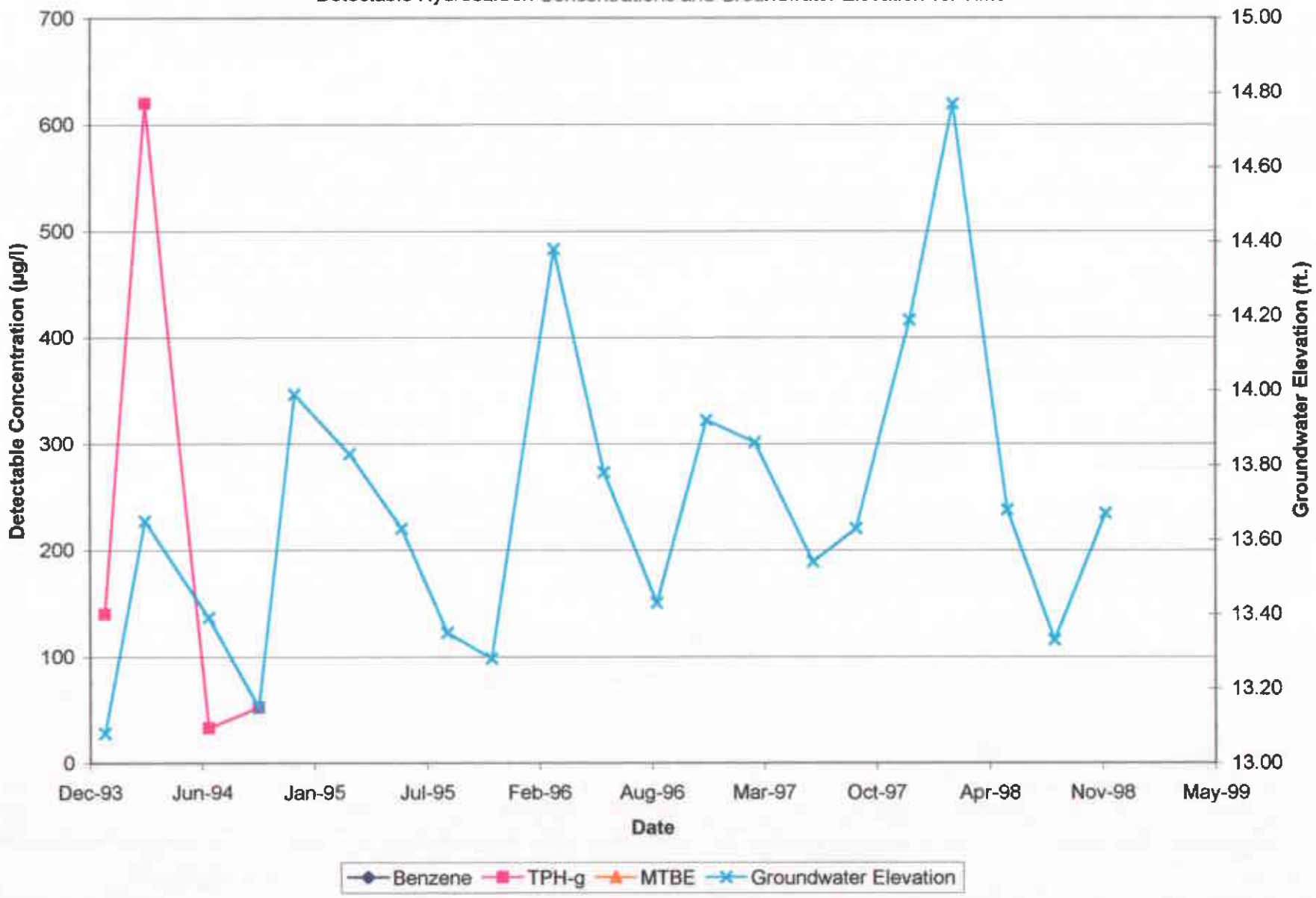
Graph 5, MW-5
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



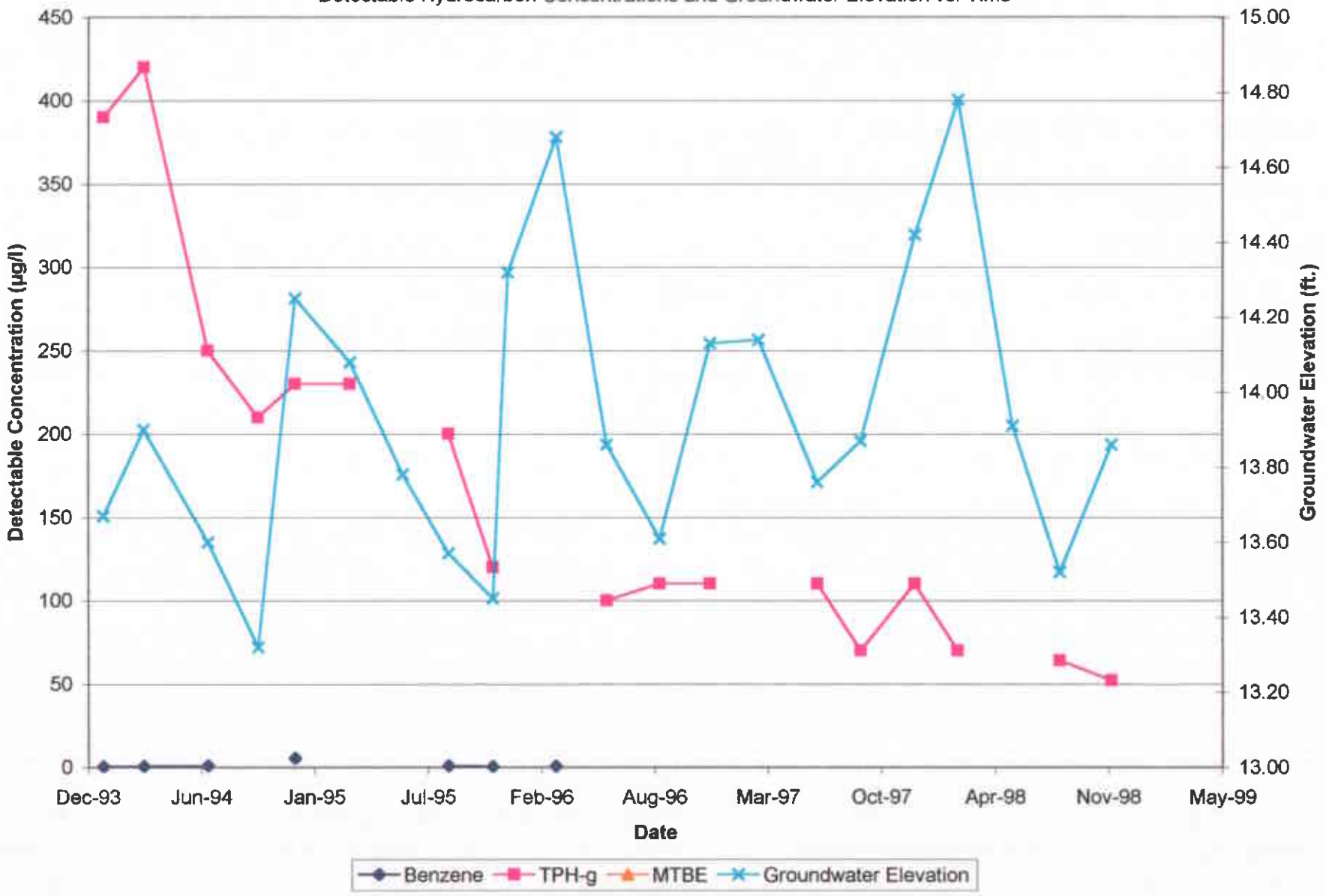
Graph 6, MW-6
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



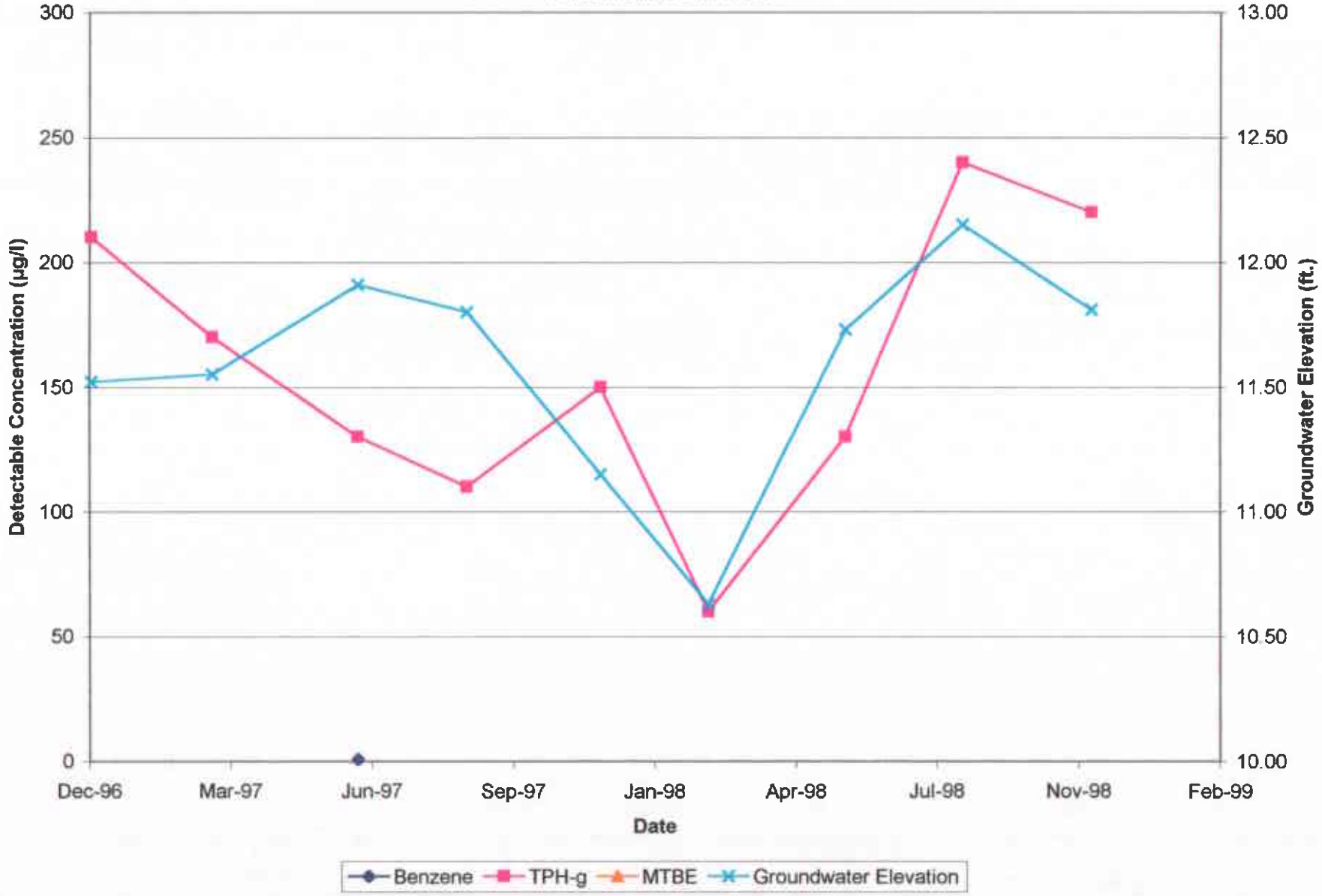
Graph 7, MW-7
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



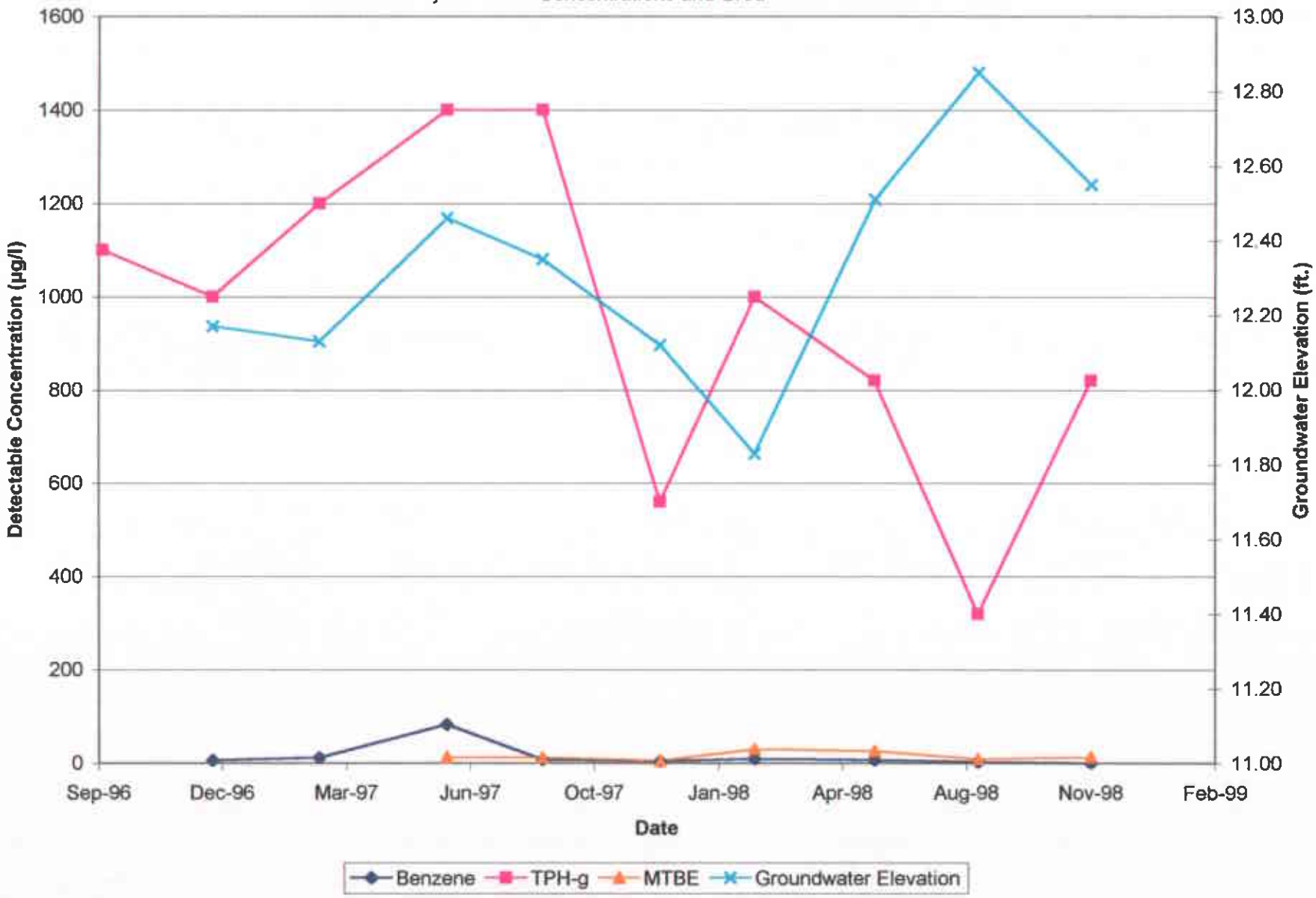
Graph 8, MW-8
Sears Store No. 1058, 2633 Telegraph Avenue
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

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

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553
Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Lab Proj. ID: 9811732

Received: 11/11/98
Reported: 11/30/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 14 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

David A. Pichette
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

QC Batch Number: 8110361

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-9
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-01

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/24/98
Reported: 11/30/98

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil Chromatogram Pattern:	0.25	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	102

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-02

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/25/98
Reported: 11/30/98

QC Batch Number: 8110361

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil Chromatogram Pattern:	0.25	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	93

*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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811732-02

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110310

Purgeable Total Petroleum Hydrocarbons as Gasoline/BTEX/MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**150**
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:		Gasoline

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

QC Batch Number: 8110361

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-03

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/25/98
Reported: 11/30/98

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil Chromatogram Pattern:	0.25	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	107

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811732-03

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110310

Purgeable Total Petroleum Hydrocarbons as Gasoline/BTEX/MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	**52**
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:		**Gasoline**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	109

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-04

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/25/98
Reported: 11/30/98

QC Batch Number: 8110361

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil Chromatogram Pattern:	0.25	0.82 Motor oil

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

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811732-04

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110315

Purgeable Total Petroleum Hydrocarbons as Gasoline/BTEX/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	95

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-05

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/25/98
Reported: 11/30/98

QC Batch Number: 8110361

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil	0.25	0.61
Chromatogram Pattern:		Motor oil

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	72

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811732-05

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110315

Purgeable Total Petroleum Hydrocarbons as Gasoline/BTEX/MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	62
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:		Gasoline

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	105

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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: EW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9811732-06

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/20/98
Analyzed: 11/25/98
Reported: 11/30/98

QC Batch Number: 8110361

Fuel Fingerprint : Motor Oil

Analyte	Detection Limit mg/L	Sample Results mg/L
Extractable HC as Motor Oil	0.25	2.9
Chromatogram Pattern:		Motor oil

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	84

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

Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: EW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9811732-06

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110315

Purgeable Total Petroleum Hydrocarbons as Gasoline/BTEX/MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	820
Methyl t-Butyl Ether	2.5	13
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	0.75
Chromatogram Pattern:		Gasoline

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	109

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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680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: DUP MW-4
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9811732-07

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110315

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	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, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553

Attention: Melissa Gossell

Client Proj. ID: SEARS #1058 Telegraph
Sample Descript: TBLB
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9811732-08

Sampled: 11/10/98
Received: 11/11/98
Extracted: 11/18/98
Analyzed: 11/18/98
Reported: 11/30/98

QC Batch Number: 8110315

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
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Fluor Daniel GTI
757 Arnold Dr., Suite D
Martinez, CA 94553
Attention: Melissa Gossell

Client Project ID: SEARS #1058 Telegraph
Matrix: LIQUID
Work Order #: 9811732

Reported: Nov 30, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	8110310	8110310	8110310	8110310
Analy. Method:	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	-	-	-	-
MS/MSD #:	P811193-10	P811193-10	P811193-10	P811193-10
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/18/98	11/18/98	11/18/98	11/18/98
Analyzed Date:	11/18/98	11/18/98	11/18/98	11/18/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
Result:	118	108	105	320
MS % Recovery:	113	107	105	106
Dup. Result:	105	96.5	94.2	283
MSD % Recov.:	99.8	95.8	94.2	94
RPD:	11.7	11.2	10.8	12.3
RPD Limit:	0-5	0-6	0-4	0-5
LCS #:	LCS111898	LCS111898	LCS111898	LCS111898
Prepared Date:	11/18/98	11/18/98	11/18/98	11/18/98
Analyzed Date:	11/18/98	11/18/98	11/18/98	11/18/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
LCS Result:	110	103	101	310
LCS % Recov.:	110	103	101	103

MS/MSD	82-119	80-117	66-125	73-119
LCS	84-116	81-117	79-115	80-114
Control Limits				

SEQUOIA ANALYTICAL
Elap #2245

David A. Pichette
Project Manager

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.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
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Fluor Daniel GTI	Client Project ID:	SEARS #1058 Telegraph	
757 Arnold Dr., Suite D	Matrix:	LIQUID	
Martinez, CA 94553			
Attention: Melissa Gossell	Work Order #:	9811732	Reported: Nov 30, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	8110315	8110315	8110315	8110315
Analy. Method:	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M	EPA 8015M/8020M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	-	-	-	-
MS/MSD #:	P811197-02	P811197-02	P811197-02	P811197-02
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/18/98	11/18/98	11/18/98	11/18/98
Analyzed Date:	11/18/98	11/18/98	11/18/98	11/18/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
Result:	96.4	97.5	102	298
MS % Recovery:	96.4	90.6	92.3	90.2
Dup. Result:	106	107	107	321
MSD % Recov.:	106	100	97.3	97.8
RPD:	9.49	9.29	4.78	7.43
RPD Limit:	0-5	0-6	0-4	0-5
LCS #:	LCS111898	LCS111898	LCS111898	LCS111898
Prepared Date:	11/18/98	11/18/98	11/18/98	11/18/98
Analyzed Date:	11/18/98	11/18/98	11/18/98	11/18/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	100 µg/L	100 µg/L	100 µg/L	300 µg/L
LCS Result:	102	101	101	309
LCS % Recov.:	102	101	101	103
MS/MSD Control Limits	82-119	80-117	66-125	73-119
LCS Control Limits	84-116	81-117	79-115	80-114

SEQUOIA ANALYTICAL
Elap #2245

David A. Pichette
Project Manager

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.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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Fluor Daniel GTI	Client Project ID:	SEARS #1058 Telegraph	
757 Arnold Dr., Suite D	Matrix:	LIQUID	
Martinez, CA 94553			
Attention: Melissa Gossell	Work Order #:	9811732	Reported: Nov 30, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	8110361
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3520B
Analyst:	-
LCS/LCSD #:	P811289
Sample Conc.:	N.D.
Prepared Date:	11/20/98
Analyzed Date:	11/24/98
Instrument I.D.#:	-
Conc. Spiked:	1.0 mg/L
Result:	0.949
LCS % Recovery:	94.9
Dup. Result:	0.936
LCSD % Recov.:	93.6
RPD:	1.38
RPD Limit:	0-35

MS/MSD	28-138
LCS	28-138
Control Limits	

SEQUOIA ANALYTICAL
Elap #2245

David A. Pichette
Project Manager

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.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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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 • (510) 988-9600 FAX (510) 988-9673

Company Name: FLUORDANIEL GTI	Project Name: SEARS #1058 TELEGRAPH
Address: 757 ARNOLD DR. SUITE D	Billing Address (if different):
City: MARTINEZ State: CA Zip Code: 94553	103232.030543
Telephone: (925) 370-3990 FAX #: (925) 370-3991	P.O. #:
Report To: MELISSA GOSSELL Sampler: HECTOR MERINO	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

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

☐ Drinking Water ☒ Waste Water ☐ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	BTEX/MTBE/TPH-G	TPH/MTBE/OIL	BTEX 8020							Comments
1. MW-9	11 12:30	GW	5	40ML GLASS	01	X	X								
2. MW-1	12:40		5		02	X	X								
3. MW-8	12:50		5		03	X	X								
4. MW-2	10 13:00		5		04	X	X								
5. MW-4	13:10		5		05	X	X								
6. EW-1	13:25		5		06	X	X								
7. DUPMW4	13:12		3	40ML	07			X							
8. TBLB	98 —	DI	1		08			X							
9.															
10.															

Relinquished By: [signature]	Date: 11/11/98	Time: 1631	Received By: [signature]	Date: 11-11-98	Time: 1631
Relinquished By: [signature]	Date: 11-11-98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 11-11-98	Time: 1810

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