R0480

FLUOR DANIEL GTI

STID 1058

July 17, 1996

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

ENVIRONMENTAL PROTECTION
96 JUL 19 AM 9:26

SUBJECT: Quarterly Groundwater Monitoring and Sampling Report
Former Sears Store 1058
2633 Telegraph Avenue, Oakland, California
Fluor Daniel GTI Project 020200136

Dear Mr. Klettke:

On behalf of Sears, Roebuck and Co., Fluor Daniel GTI, Inc. presents the monthly groundwater monitoring data collected on April 19, and May 10, 1996, and the quarterly monitoring and sampling data collected on June 3, 1996, from the site referenced above. The eight groundwater monitoring wells were gauged to determine depth to groundwater and to check for the presence of separate-phase petroleum hydrocarbons. Separate-phase hydrocarbons were detected in monitoring well MW-3 which is consistent with past measurements. A potentiometric surface map is presented in attachment 1, figure 1. A summary of groundwater monitoring data is presented in attachment 2, table 1.

After measuring depth to water, monitoring wells MW-1, MW-2, MW-4 and MW-8 were purged and sampled. Based on correspondence from the Regional Board dated May, 1, 1996, the schedule for well sampling for wells MW5, MW6 & MW7 has been changed to semi-annual (first and third quarters). Groundwater monitoring and sample collection protocol, and field data sheets are presented in attachment 3. The groundwater samples were analyzed for total petroleum hydrocarbons (TPH)-as-motor oil by modified EPA method 8015 (GC/FID) for BTEX and for TPH-as-gasoline by EPA methods 8020/modified 8015. A summary of the groundwater analytical results is presented in table 2. A distribution map of dissolved benzene, TPH-as-gasoline and TPH-as-motor-oil concentrations is presented in figure 2. Laboratory reports and chain-of-custody records are included in attachment 4.

If you have any comments or questions, please contact me at (510) 370-3990.

Sincerely,
Fluor Daniel GTI, Inc.

Budget A. Baxter for

Michael J. Wray
Project Manager

Attachments

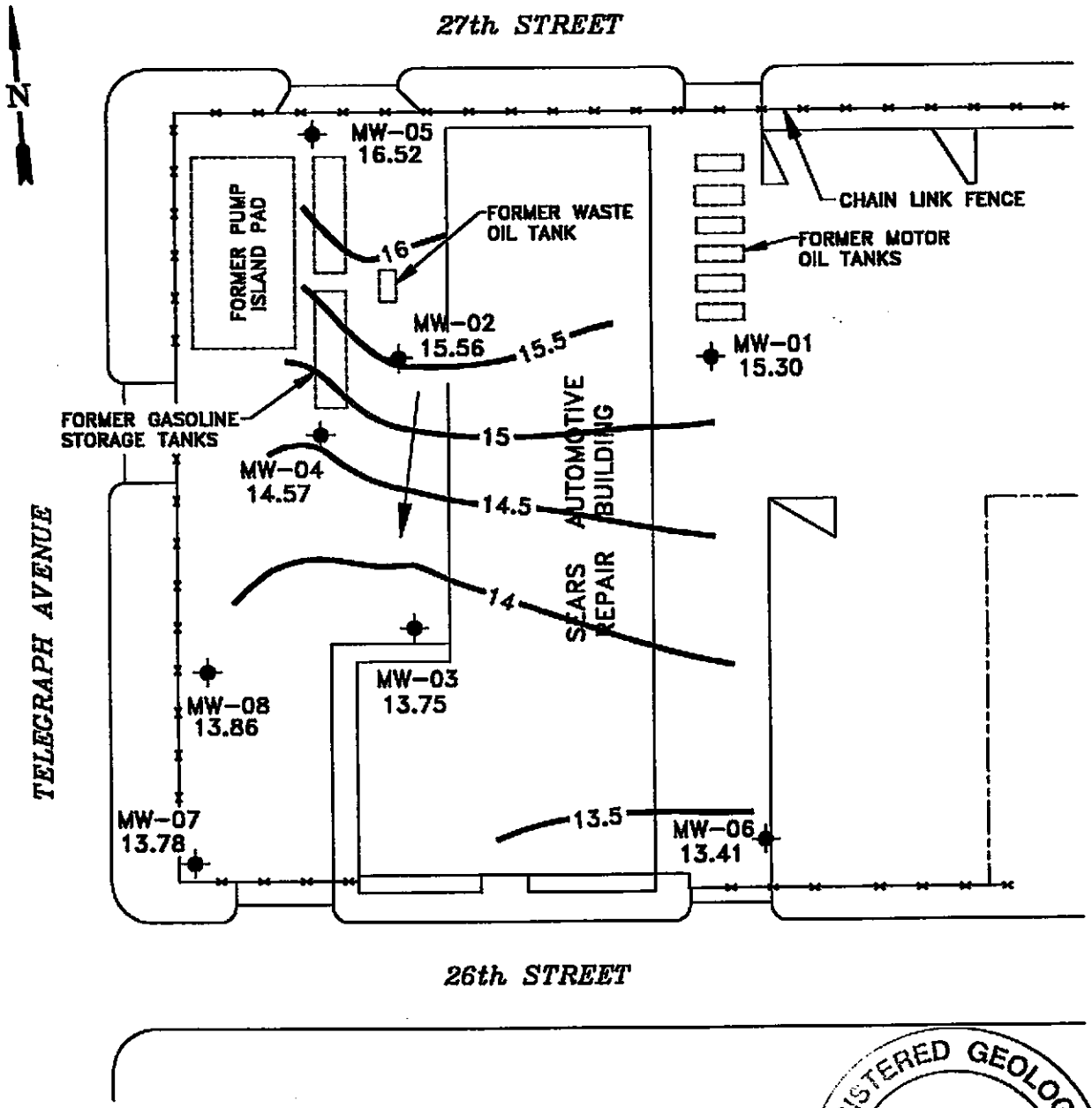
Scott M. DeMuth - Sears, Roebuck and Co.

757 Arnold Drive, Suite D / Martinez, CA 94553 USA (510) 370-3990 FAX (510) 370-3991

ATTACHMENT 1

Figures

1. Potentiometric Surface Map (06/04/96)
2. Concentrations of Benzene, TPH-as-Gasoline and TPH-as-Motor Oil in Groundwater (06/04/96)



REGISTERED GEOLOGIST
DENNIS P. MASLONKOWSKI
No. 5289
STATE OF CALIFORNIA

LEGEND

✦	MONITORING WELL
X.XX	POTENTIOMETRIC SURFACE ELEVATION (FT)
SPH	SEPARATE-PHASE HYDROCARBONS
⌒	POTENTIOMETRIC SURFACE CONTOUR
←	GROUNDWATER FLOW DIRECTION

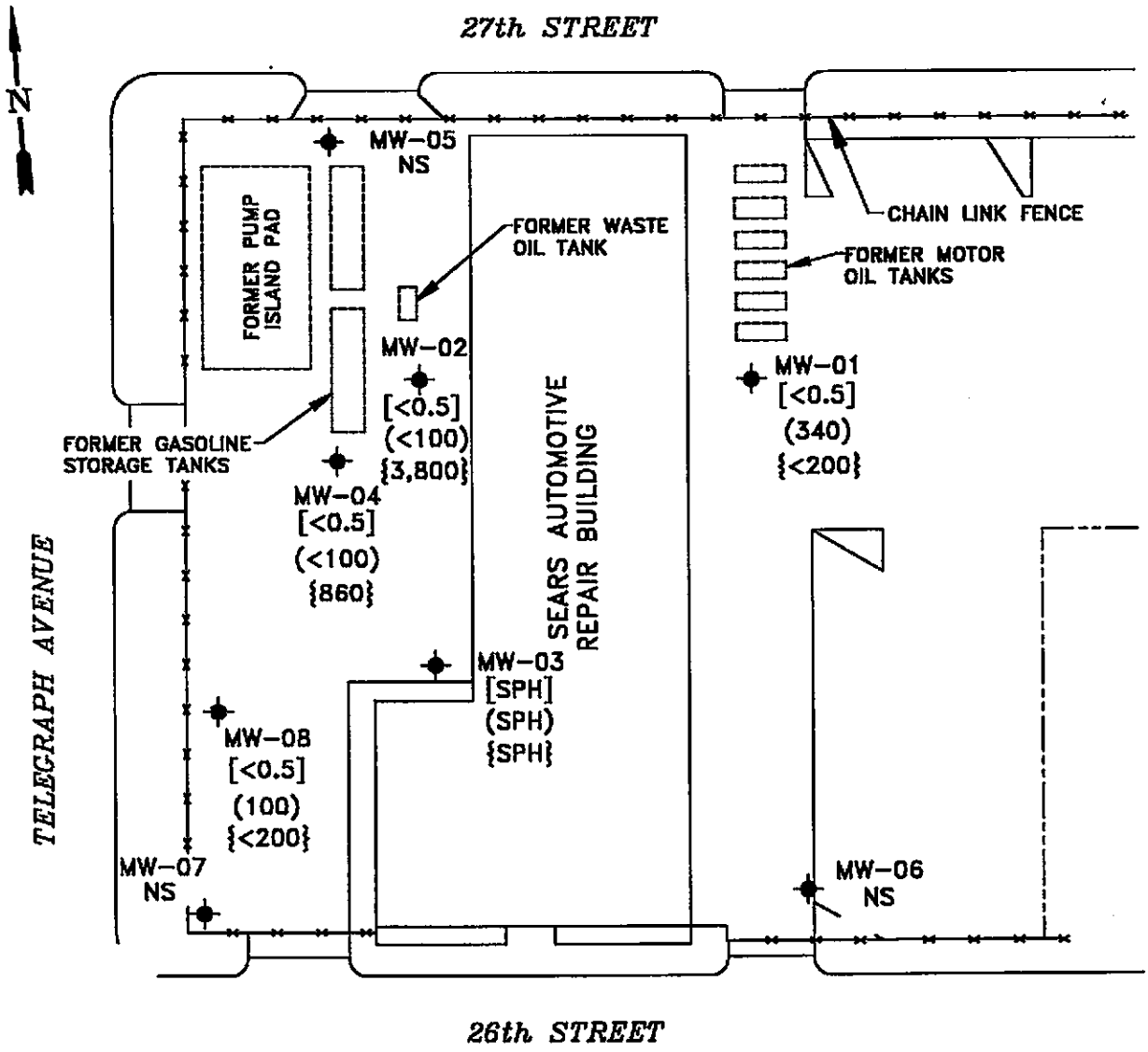
NOTE:
1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

FLUOR DANIEL GTI

0 FEET 40
SCALE

POTENTIOMETRIC SURFACE MAP (6/3/96)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: S0094PSM, (1:40)		PROJECT NO.: 020200094		PM	PE/RG
	REV.				FIGURE: 1	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. SS	DET. SS	DATE: 6/28/96			



LEGEND

✦	MONITORING WELL
SPH	SEPARATE-PHASE HYDROCARBONS
X.XX	POTENTIOMETRIC SURFACE ELEVATION (FT)
[ ]	BENZENE CONCENTRATIONS [ug/l]
( )	TPH-AS-GASOLINE (ug/l)
{ }	TPH-AS-MOTOR OIL {ug/l}
NS	NOT SAMPLED

REGISTERED GEOLOGIST
DENNIS P. MASLONKOWSKI
No. 5229
STATE OF CALIFORNIA

FLUOR DANIEL GTI

0 FEET 40
SCALE

CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE & TPH-AS-MOTOR OIL IN GROUNDWATER (6/3/96)

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: S0094BT		PROJECT NO.: 02020094	PM	PE/RG
	REV.			FIGURE: 2	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. SS	DET. SS	DATE: 6/28/96		

ATTACHMENT 2

Tables

1. Summary of Historical Groundwater Monitoring Data
2. Summary of Historical Groundwater Sample Analyses

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

(Table 1 continues)

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

(Table 1 continues)

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

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

(Table 1 continues)

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

(Table 1 continues)

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

(Table 1 continues)

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

(Table 1 continues)

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	--	--	26.79
		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

(Table 1 continues)

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

Notes: "--" indicates no datum for the cell, including "product not detected"
NM = Not monitored
NA = 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
MW-1	12/30/92	1	1	2	2	--	--	1	--
	03/24/93	0.4	1	0.3	10	--	--	1	--
	06/21/93	<0.3	1	2	6	--	**<100	--	--
	09/16/93	<0.3	0.7	<0.3	7	--	**<100	--	--
	12/01/93	0.4	1	2	7	--	--	--	--
	12/30/93	--	--	--	--	--	<100	--	--
	03/09/94	<0.3	<0.3	1	4.2	--	<100	--	--
	06/30/94	0.6	0.7	2.4	15	--	<100	--	--
	09/27/94	0.9	0.5	1.4	10	--	[a]<250	--	--
	12/01/94	0.4	0.4	<0.3	6.6	--	[a]<250	--	--
	03/08/95	<0.3	0.6	<0.3	2.7	--	[a]<250	--	--
	06/09/95	<0.3	1.4	4.7	5.6	--	[a]<250	--	--
	08/29/95	0.3	0.9	3.9	2.8	--	[a]<250	--	--
	11/15/95	<0.5	<0.5	<0.5	27	--	[a]<200	--	--
	03/05/96	<0.5	<1.0	<1.0	<2.0	--	[a]<200	--	--
	06/03/96	<0.5	<1.0	<1.0	3.4	340	[a]<200	--	--
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	[a]<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	--	[b]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
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	**15
	06/21/93	21	5	2	19	**2,600	32,000	26	[d]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-

(Table 2 continues)

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
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	–	[a]ND
	06/30/94	<0.3	1.7	0.5	1.0	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
	06/03/96	<0.5	<1.0	<1.0	<2.0	<100	860	–	ND
MW-5	12/30/92	<0.3	<0.3	<0.3	<0.5	37	–	<1	[b]5
	03/24/93	<0.3	<0.3	<0.3	0.5	19	–	2	[a]341
	06/21/93	<0.3	<0.3	<0.3	<0.5	<10	<100	–	[a]ND
	09/16/93	0.3	<0.3	<0.3	1	<10	<100	–	[a]ND
	12/01/93	<0.3	<0.3	<0.3	1	17	–	–	[a]ND
	12/30/93	–	–	–	–	–	<100	–	–
	03/09/94	<0.3	<0.3	<0.3	<0.5	22	<100	–	[a]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	–	[a]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
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	–	[a]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	–	[a]8
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	–	[a]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	–	[a]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
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	–	[a]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	–	[a]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

(Table 2 continues)

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
MW-8	12/27/93	0.4	4	0.4	1	390	<100	<1	[a]18
	03/09/94	0.6	0.8	0.5	1.5	420	<100	--	[a]ND
	06/30/94	0.9	<0.3	<0.3	1.1	250	<100	--	ND
	09/27/94	<0.3	<0.3	<0.3	<0.5	210	[e]<250	--	[g]9
	12/01/94	5.4	<0.3	0.7	1.3	230	[e]<250	--	[a]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	--	--	--

Source: GTEL Environmental Laboratories

Notes: "--" indicates no datum for the cell, including "not analyzed for this constituent". Values beginning with "<" indicate the 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 is 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

(Table 2 continues)

ATTACHMENT 3

Groundwater Monitoring and Sample Collection Protocol
and
Field Data Sheets

GROUNDWATER TECHNOLOGY GROUNDWATER MONITORING AND SAMPLE COLLECTION PROTOCOL

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 utilizes 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) baller 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 baller and string. The water sample is decanted from the baller 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 (TPH)-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
GROUNDWATER TECHNOLOGY, INC.

Project: Sears/#1Telegraph
Store #: 1058
Project Manager: Mike Wray

Technician: HECTOR MERINO
Schedule: 6/3/96
Job No. 020200136.030542

PREPATORY COMMENTS

Visit Date: 6/3/96 Arrival Time: 9:50 Departure Time: 13:00

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

If you did not call, why not? TALKED TO Bridget IN OFFICE

Weather: Rain Snow (Sunny) Cloudy Temperature: 90°

WELL GAUGING - TASK Nr: 030542 [MONTHLY]
Decon IP between each well. IP #: _____

MW-1:	DTB_21.72	DTW	10.90	DTP	_____	PT _____
MW-2:	DTB_21.79	DTW	10.94	DTP	_____	PT _____
MW-3:	DTB_24.67	DTW	12.93	DTP	12.50	PT .43
MW-4:	DTB_22.97	DTW	11.60	DTP	_____	PT _____
MW-5:	DTB_25.27	DTW	10.46	DTP	_____	PT _____
MW-6:	DTB_22.05	DTW	10.91	DTP	_____	PT _____
MW-7:	DTB_21.70	DTW	11.10	DTP	_____	PT _____
MW-8:	DTB_22.14	DTW	12.26	DTP	_____	PT _____

NOTES: MW-6 INSTALLED NEW 3210 lock
MONITORED AND Sampled 5 WELLS. (MONITORED ALL WELLS)
took WATER FROM MW3, NOT ENOUGH product IN MW3 FOR 40 mLS.

HOURS ESTIMATED: HOURS USED:

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

Project Name: Sears - #1 Telegraph
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 020200136.030543

Date: 6/3/96
Page 1 of 5
Project Manager: Mike Wray

Well ID: MW-1
Well Diameter: 2

DTW Measurements:
Initial: 10.90
Recharge:
DTB: 21.72

Calc Well Volume: 1.7 gal
Well Volume X3 5 gal

Purge Method
Peristaltic
Gear Drive
Submersible X

Pump Depth ft.
Hand Bailed
Air Lift
Other

Instruments Used
YSI: X
Hydac:
Omega:
Other:

CALIBRATED YSI TO 4+7 BUFFER SOLUTION @ 10:20 AM ON 6/3/96

Time	Temp X C / F	Conductivity MU/CM	pH	Purge Volume Gallons	Turbidity	Comments
10:35	25.0	1.00	8.17	1	cloudy	
10:36	25.2	0.58	8.16	2		
10:37	25.3	0.56	8.17	3		
10:38	25.3	0.55	8.18	4		
10:39	25.2	0.52	8.19	5		

Project Name: Sears - #1 Telegraph
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 020200136.030543

Date: 6/13/96
Page 2 of 5
Project Manager: Mike Wray

Well ID: MW-8
Well Diameter: 2

DTW Measurements:
Initial: 12.26
Recharge: _____
DTB: 22.14

Calc Well Volume: 1.6 gal
Well Volume: X3 5 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 mU/cm	pH	Purge Volume Gallons	Turbidity	Comments
10:50	22.9	0.53	6.75	1	cloudy	
10:51	23.0	0.60	6.75	2		
10:52	22.8	0.61	6.72	3		
10:53	22.7	0.65	6.67	4		
10:54	22.6	0.63	6.66	5	↓	

Project Name: Sears - #1 Telegraph
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 020200136.030543

Date: 6/3/96
Page 3 of 5
Project Manager: Mike Wray

Well ID: MW-2
Well Diameter: 2

DTW Measurements:
Initial: 10.94
Recharge:
DTB: 21.79

Calc Well Volume: 1.7 gal
Well Volume: x3 5 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 mV/cM	pH	Purge Volume Gallons	Turbidity	Comments
11:00	22.6	0.53	6.61	1	cloudy	
11:01	22.5	0.52	6.61	2		
11:02	22.3	0.52	6.60	3		
11:03	22.1	0.53	6.60	4		
11:04	22.1	0.53	6.60	5		DRY @ 5 gallons

Project Name: Sears - #1 Telegraph
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 020200136.030543

Date: 6/3/96
Page 4 **of** 5
Project Manager: Mike Wray

Well ID: MW-4
Well Diameter: 2

DTW Measurements:
Initial: 11.60
Recharge:
DTB: 22.97

Calc Well Volume: 1.8 gal
Well Volume: X3 5 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 mS/cm	pH	Purge Volume Gallons	Turbidity	Comments
11:02	22.3	0.55	6.58	1	dusty	
11:13	22.3	0.57	6.58	2		
11:14	22.3	0.55	6.57	3		
11:15	22.3	0.55	6.57	4		
11:16	22.3	0.56	6.57	5	↓	

Project Name: Sears - #1 Telegraph
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 020200136.030543

Date: 6/3/96
Page 5 **of** 5
Project Manager: Mike Wray

Well ID: MW-3
Well Diameter: 2

DTW Measurements:
Initial: 12.93
Recharge: _____
DTB: 24.67

Calc Well Volume: _____ gal
Well Volume x 3 _____ gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible _____

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

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

Time	Temp _____C _____F	Conductivity mS/cm	pH	Purge Volume Gallons	Turbidity	Comments
						DTW: 12.93 DTP: 12.50
						PT: .43

ATTACHMENT 4

Laboratory Reports
and Chain-of-Custody Record

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

Midwest Region
4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

June 19, 1996

Mike Wray
Fluor Daniel GTI
757 Arnold Drive Suite D
Martinez, CA 94555

RE: GTEL Client ID: 020200136
Login Number: W6060055
Project ID (number): 020200136
Project ID (name): Sears/1058/2633 Telegraph Ave./Oakland/CA

Dear Mike Wray:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 06/05/96 under Chain-of-Custody Number(s) 40592.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 1845.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Terry R. Loucks
Laboratory Director

Project ID (Number): 020200136
Project ID (Name): Sears #1058
2633 Telegraph Ave.
Oakland, CA
Work Order Number: W6-06-0055
Date Reported: 06-19-96

ANALYTICAL RESULTS

Hydrocarbon Screen in Water
GC/FID[a]

GTEL Sample Number		06			
Client Identification		MW-3			
Date Sampled		06-03-96			
Date Extracted		06-18-96[d]			
Date Analyzed		06-19-96			
Analyte	Reporting Limit ug/L	Concentration, ug/L			
TPH as Gasoline[b]	50	<5000			
TPH as Mineral Spirits	50	<5000			
TPH as Diesel Fuel	50	<5000			
TPH as Lubricating Oil[c]	200	**320000**			
Dilution Multiplier		100			

a ASTM Method D3328 (modified) is used for qualitative identification of fuel patterns. The method has been modified to include quantitation by applying calibration and quality assurance guidelines outlined in EPA's publication, Test Methods for Evaluating Solid Waste, SW846, Third Edition, Revision 0, November 1986. Extraction per EPA 3510. This method is equivalent to the California LUFT manual DHS method for diesel fuel.

b Due to potential loss of volatile components during sample extraction and concentration, quantitation of gasoline by this method should be treated as an estimate. For the most accurate gasoline analysis, a purge-and-trap procedure is recommended.

c Lubricating oil can not be qualitatively identified by type of oil because of chromatogrpahic likeness of different oil types. Due to non-volatility of certain oils, much of the oil present may never be quantified by this gas chromatographic method. Quantitation obtained for lubricating oil by this method should, therefore, be treated as an estimate. This method quantifies lubricating oil against 10-W-40 standards. For the most accurate analysis of lubricating oil, an infrared method is recommended.

d This sample was extracted outside of the method recommended holding time.

Project Number: 020200136
(030543)
Project Name: Sears #1058
2633 Telegraph Ave.
Oakland, CA
Work Order Number: W6-06-0055
Date Reported: 06-18-96

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Lubricating Oil[b] in Water
GC/FID[a]

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, ug/L	Reporting Limit, ug/L
GTEL No.	Client ID					
02	MW-1	06-03-96	06-06-96	06-07-96	<200[c]	200
03	MW-8	06-03-96	06-06-96	06-07-96	<200[c]	200
04	MW-2	06-03-96	06-06-96	06-07-96	3800	200
05	MW-4	06-03-96	06-06-96	06-07-96	860	200

a ASTM Method D3328(modified) is used for qualitative identification of fuel patterns. The method has been modified to include quantitation by applying calibration and quality assurance guidelines outlined in EPA's publication, Test Methods For Evaluating Solid Waste, SW846, Third Edition, Revision 0, November 1986. Extraction by EPA Method 3510.

b Lubricating oil can not be qualitatively identified by type of oil because of chromatographic likeness of different oil types. Due to non-volatility of certain oils, much of the oil present may never be quantified by this gas chromatographic method. Quantitation obtained for lubricating oil by this method should, therefore, be treated as an estimate. This method quantifies lubricating oil against 10-W-40 standards. For the most accurate analysis of lubricating oil, an infrared method is recommended.

c Material lighter than motor oil is present in this sample.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: 020200136
Login Number: W6060055
Project ID (number): 020200136
Project ID (name): Sears/1058/2633 Telegraph Ave./Oakland/CA

Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	W6060055-01	W6060055-02	W6060055-03	W6060055-04
Client ID	TRIP BLANK	MW-1	MW-8	MW-2
Date Sampled		06/03/96	06/03/96	06/03/96
Date Analyzed	06/14/96	06/14/96	06/14/96	06/14/96
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	1.0	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes (total)	2.0	ug/L	< 2.0	3.4	< 2.0	< 2.0
TPH as Gas	100	ug/L	--	340	100	< 100

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including Update 1.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: 020200136
Login Number: W6060055
Project ID (number): 020200136
Project ID (name): Sears/1058/2633 Telegraph Ave./Oakland/CA

Method: EPA 8020
Matrix: Aqueous

GTEL Sample Number	W6060055-05	W6060055-07	--	--
Client ID	MW-4	DUPLICATE	--	--
Date Sampled	06/03/96	06/03/96	--	--
Date Analyzed	06/14/96	06/14/96	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	< 0.5	--	--
Toluene	1.0	ug/L	< 1.0	< 1.0	--	--
Ethylbenzene	1.0	ug/L	< 1.0	< 1.0	--	--
Xylenes (total)	2.0	ug/L	< 2.0	< 2.0	--	--
TPH as Gas	100	ug/L	< 100	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". SW-846, Third Edition including Update 1.

GTEL ENVIRONMENTAL LABORATORIES, INC.

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

40592

Company Name: FLOUR DANIEL GROUNDWATER TECHNOLOGY
Phone #: (510) 370-3990
FAX #: (510) 370-3991
Company Address: 757 ARNOLD DR. SUITE D MARTINEZ
Site Location: 2633 TELEGRAPH OAKLAND
Project Manager: MIKE WRAY
Client Project ID: (#) 020200136 · 030543
(NAME) SEARS
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): HECTOR MERINO

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO3	H2SO4	ICE	UNPRESERVED	OTHER (Specify)	Sampling: DATE	TIME	ANALYSIS REQUEST: BTEX 602 ☐ 8020 ☐ with MTBE ☐	BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐	Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐	Hydrocarbon Profile (SIMDIS) ☐	Oil and Grease 413.1 ☐ 413.2 ☐ SM-503 ☐	TPH/IR 418.1 ☐ SM 503 ☐	EDB by 504 ☐ DBCP by 504 ☐	EPA 503.1 ☐ EPA 502.2 ☐	EPA 601 ☐ EPA 8010 ☐	EPA 602 ☐ EPA 8020 ☐	EPA 608 ☐ 8080 ☐ PCB only ☐	EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐	EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐	EPA 610 ☐ 8310 ☐	EP TOX Metals ☐ Pesticides ☐ Herbicides ☐	TCLP Metals ☐ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐	EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐	CAM Metals TTLC ☐ STLC ☐	Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐	Organic Lead ☐	Corrosivity ☐ Flash Point ☐ Reactivity ☐	OTHER: TPH-Modified 8015 (GRO)	EPA Method 8015 (Gas)
TRIP BLANK	01	4	X						X			X			6/1/96		X																				
MW-1	02	6	X						X			X	X			11:30		X																		X		
MW-8	03	6	X						X			X	X			11:40		X																		X		
MW-2	04	6	X						X			X	X			11:50		X																		X		
MW-4	05	6	X						X			X	X			12:00		X																		X		
MW-3	06	6	X						X			X	X			12:10																				X		
DUPLICATE	07	3	X						X			X	X			12:00		X																			X	

TAT
Priority (24 hr) ☐
Expedited (48 hr) ☐
7 Business Days ☐
Other ☐
Business Days ☐

Special Handling
GTEL Contact
Quote/Contract #
Confirmation #
P.O. #

QA/QC Level
Blue ☐ CLP ☐ Other ☐

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS
FAX ☐

REMARKS: SEARS FREE PRODUCT SAMPLE THAT WE SPOKE TO BRUCE ABOUT.
ATTN: SEFFERSON DOUGLES''

Lab Use Only Lot #: No Seals
Storage Location: 2°C
Work Order #:

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	6/4/96	12:15	Received by: John Webb
Relinquished by: John Webb	6/4/96	16:30	Received by:
Relinquished by:	10/5/96	0830	Received by Laboratory: Waybill # Tammy Deliscn