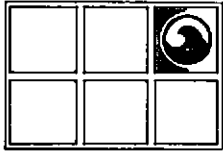


R0480



# GROUNDWATER TECHNOLOGY®

RECEIVED  
PROJECT  
99 JAN 24 AM 9:15

Groundwater Technology, Inc.

757 Arnold Drive, Suite D, Martinez, CA 94553 USA  
Tel: (510) 370-3990 Fax: (510) 370-3991

January 17, 1996

Mr. Dale Klettke  
Alameda County, Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA. 94502-6557

**SUBJECT:** Quarterly Groundwater Monitoring and Sampling Report  
Former Sears Store 1058  
2633 Telegraph Avenue, Oakland, California  
GTI Project 020200094

Dear Mr. Klettke:

On behalf of Sears, Roebuck and Co., Groundwater Technology, Inc. presents the monthly groundwater monitoring data collected on September 15 and October 20, 1995, and the quarterly monitoring and sampling data collected on November 15 and December 11, 1995, from the site referenced above. Well MW-8 was initially sampled on November 15, but the sample container was broken in transit. The well was resampled on December 11. 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, the monitoring wells, except MW-3, were purged and sampled. 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 methods 3510/8015. Additionally, groundwater samples from monitoring well MW-1 were analyzed for dissolved benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA method 8020. Groundwater samples from monitoring wells MW-2, MW-4, MW-5, MW-6, MW-7 and MW-8 were analyzed for BTEX and for TPH-as-gasoline by EPA methods 8020/modified 8015. Groundwater samples from monitoring wells MW-2, MW-5, MW-6, MW-7 and MW-8 were analyzed for dissolved cadmium, chromium, lead, nickel and zinc by EPA methods 6010 and 7421. Groundwater samples from monitoring well MW-4 were analyzed for lead by EPA method 7421. 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) 671-2387.

Sincerely,  
**Groundwater Technology, Inc.**

Michael J. Wray  
Project Manager

**Attachments**

cc: Bernadine Palka, PE

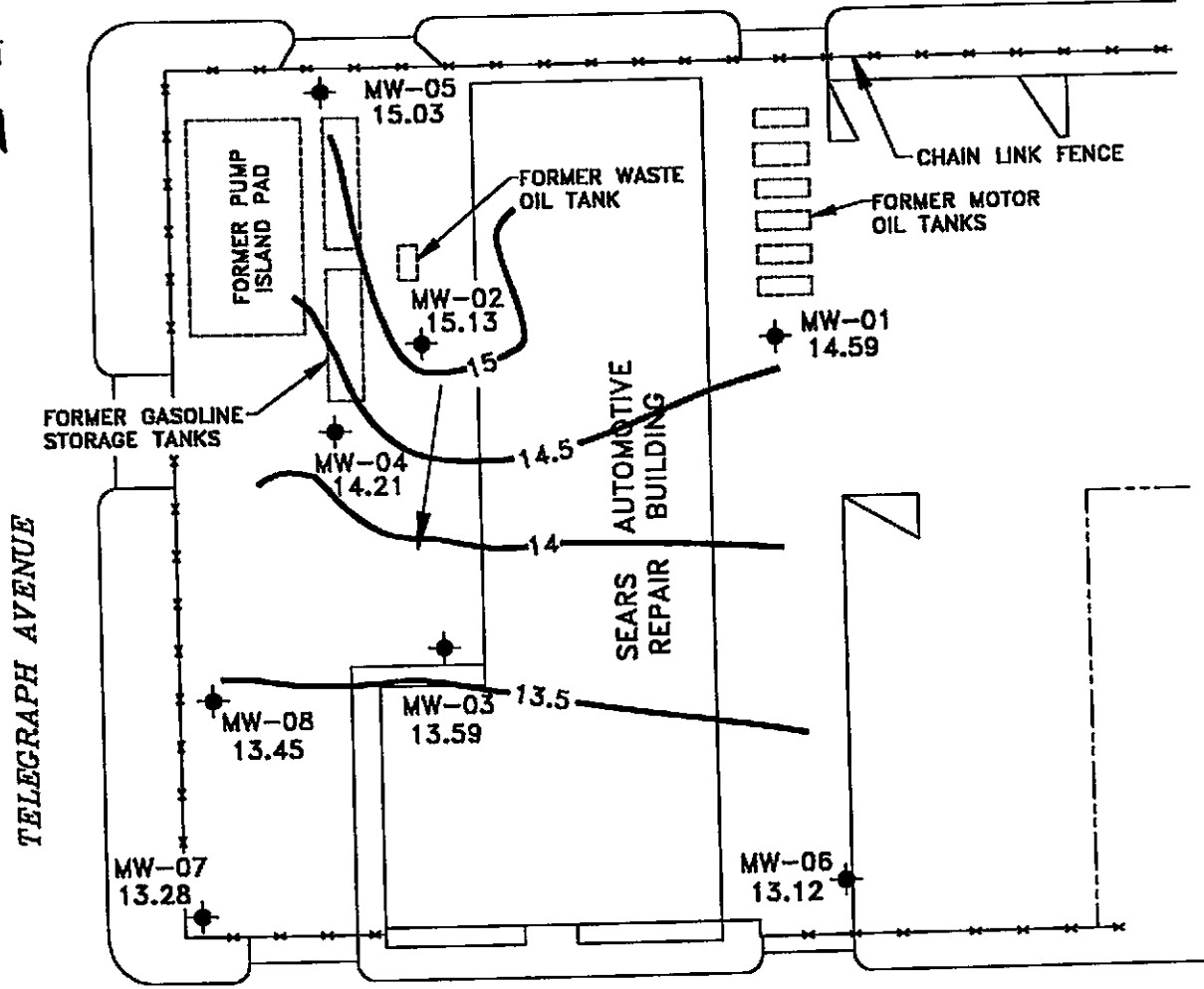
## ATTACHMENT 1

### Figures

1. Potentiometric Surface Map (11/15/95)
2. Concentrations of Benzene, TPH-as-Gasoline and TPH-as-Motor Oil in Groundwater (11/15/95)

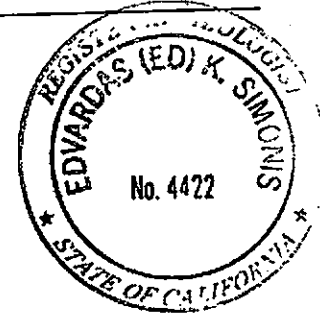


27th STREET



**LEGEND**

- MONITORING WELL
- POTENTIOMETRIC SURFACE ELEVATION (FT)
- SEPARATE-PHASE HYDROCARBONS
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION



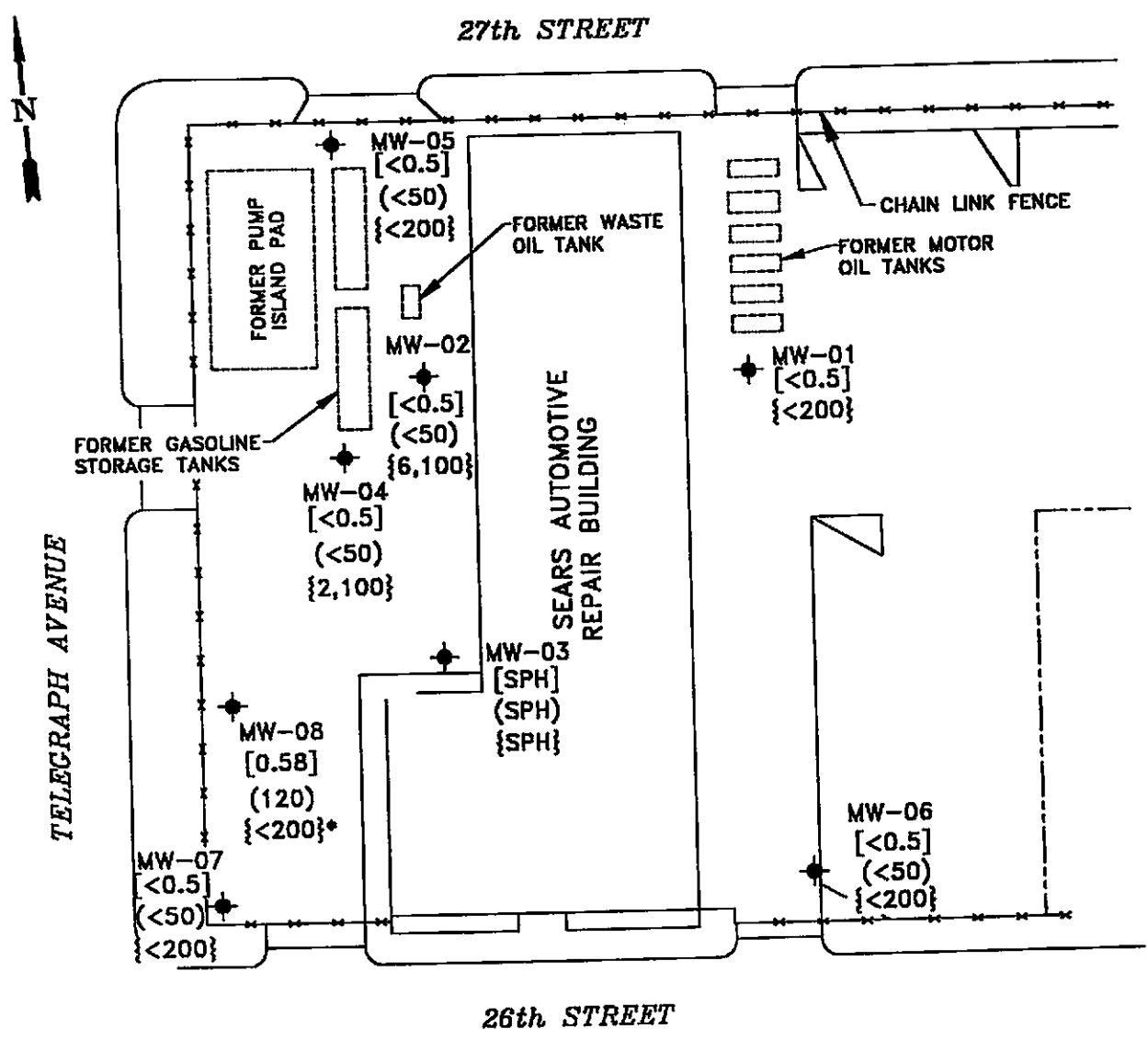
NOTE:  
 1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

**GROUNDWATER TECHNOLOGY**

0 FEET 40 SCALE

**POTENTIOMETRIC SURFACE MAP (11/15/95)**

CLIENT: SEARS, ROEBUCK AND CO. SITE NO. 1058	FILE: S0094PSM, (1:40)	PROJECT NO.: 020200094	PM	PE/RG <i>gcs</i>
	REV.	FIGURE: 1		
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES. SS	DET. SS	DATE: 1/5/96	



**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}
- \* GROUNDWATER SAMPLE COLLECTED ON 12/11/95



				<b>CONCENTRATIONS OF BENZENE, TPH-AS GASOLINE &amp; TPH-AS-MOTOR OIL IN GROUNDWATER (11/15 &amp; 12/11/95)</b>			
<b>CLIENT:</b> SEARS, ROEBUCK AND CO. SITE NO. 1058			<b>FILE:</b> S0094BT		<b>PROJECT NO.:</b> 02020094		<b>PM</b> 
<b>LOCATION:</b> 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA			<b>REV.</b>		<b>FIGURE:</b> 2		<b>PE/RG</b> 
			<b>DES.</b> SS	<b>DET.</b> SS	<b>DATE:</b> 1/5/96		

## **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		

**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		

**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	13.23		
10/20/95	12.86	12.03	0.03	13.47		
11/15/95	12.81	12.74	0.07	13.48		



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

Sears Store 1058  
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing 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		

**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		

**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		

**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		
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		

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	--	*<250	--	--
	12/01/94	0.4	0.4	<0.3	6.6	--	*<250	--	--
	03/08/95	<0.3	0.6	<0.3	2.7	--	*<250	--	--
	06/09/95	<0.3	1.4	4.7	5.6	--	*<250	--	--
	08/29/95	0.3	0.9	3.9	2.8	--	*<250	--	--
	11/15/95	<0.5	<0.5	<0.5	27	--	*<200	--	--
MW-2	12/30/92	0.7	<0.3	<0.3	3	190	--	1	*ND
	03/24/93	0.6	<0.3	<0.3	2	120	--	<1	*ND
	06/21/93	0.3	<0.3	<0.3	0.7	82	**<100	--	*ND
	09/16/93	<0.3	<0.3	<0.3	<0.5	28	**<100	--	*ND
	12/01/93	<0.3	<0.3	<0.3	1	68	--	--	*ND
	12/30/93	--	--	--	--	--	310	--	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	47	<100	--	ND
	06/30/94	<0.3	<0.3	<0.3	<0.5	<10	100	--	ND
	09/27/94	<0.3	<0.3	<0.3	<0.5	<10	*<250	--	<sup>d</sup> 15
	12/01/94	<0.3	<0.3	<0.3	<0.5	54	<sup>f</sup> 1,300	--	<sup>g</sup> 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	--	<sup>h</sup> 20
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	6,100	--	ND
MW-3	12/30/92	11	0.9	<0.3	2	910	--	20	*ND
	03/24/93	28	0.7	1	8	3,300	--	28	**15
	06/21/93	21	5	2	19	**2,600	32,000	26	<sup>o</sup> 5
	09/16/93	--	--	--	--	--	--	--	--
	12/01/93	--	--	--	--	--	--	--	--
	03/09/94	2	1.4	4.5	13	2,000	**5,700	**63	*ND
	06/30/94	--	--	--	--	--	--	--	--
	09/27/94	--	--	--	--	--	--	--	--
	12/01/94	--	--	--	--	--	--	--	--
	03/08/95	--	--	--	--	--	--	--	--
	06/09/95	--	--	--	--	--	--	--	--
	08/29/95	--	--	--	--	--	--	--	--
	11/15/95	--	--	--	--	--	--	--	--
	MW-4	12/30/92	2	<0.3	1	<0.5	1,200	--	<1
03/24/93		<0.3	<0.3	<0.3	<0.5	750	--	2	* <sup>7</sup>
06/21/93		<0.3	2	<0.3	0.5	660	19,000	--	*ND
09/16/93		0.3	<0.3	2	3	410	2,500	--	*ND
12/01/93		<0.3	<0.3	<0.3	<0.5	150	390	--	*ND
03/09/94		0.7	0.8	2	3.6	1,500	780	--	*ND
06/30/94		<0.3	1.7	0.5	1.0	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	--	<sup>a</sup> 5
03/08/95		<0.3	<0.3	<0.3	<0.5	360	1,000	--	<sup>a</sup> 5
06/09/95		<0.3	0.4	<0.3	<0.5	64	1,100	--	<sup>a</sup> 5
08/29/95		<0.3	<0.3	<0.3	<0.5	<50	1,200	--	<sup>a</sup> 5
11/15/95		<0.5	<0.5	<0.5	<0.5	<50	2,100	--	ND



**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-5	12/30/92	<0.3	<0.3	<0.3	<0.5	37	--	<1	<sup>bc</sup> 5
	03/24/93	<0.3	<0.3	<0.3	0.5	19	--	2	<sup>ac</sup> 341
	06/21/93	<0.3	<0.3	<0.3	<0.5	<10	<100	--	<sup>o</sup> ND
	09/16/93	0.3	<0.3	<0.3	1	<10	<100	--	<sup>o</sup> ND
	12/01/93	<0.3	<0.3	<0.3	1	17	--	--	<sup>o</sup> ND
	12/30/93	--	--	--	--	--	<100	--	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	22	<100	--	<sup>o</sup> 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	--	<sup>d</sup> 7
	08/29/95	<0.3	<0.3	<0.3	<0.5	<50	<250	--	<sup>h</sup> 36
11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	ND	
MW-6	12/27/93	<0.3	<0.3	<0.3	<0.5	<10	<100	<1	<sup>a</sup> 70
	03/09/94	<0.3	<0.3	<0.3	<0.5	15	<100	--	<sup>o</sup> 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	--	<sup>g</sup> 8
	12/01/94	<0.3	<0.3	<0.3	<0.5	<10	<250	--	<sup>g</sup> 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	--	<sup>h</sup> 24
	11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	<sup>g</sup> 31
MW-7	12/27/93	<0.3	<0.3	1	2	140	<100	<1	<sup>a</sup> 40
	03/09/94	<0.3	<1.0	1.5	4.1	620	<100	--	<sup>o</sup> 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	<sup>o</sup> <250	--	ND
	12/01/94	<0.3	<0.3	<0.3	1.1	<10	<sup>o</sup> <250	--	<sup>g</sup> 28
	03/08/95	<0.3	<0.3	<0.3	<0.5	<10	<sup>o</sup> <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	--	<sup>h</sup> 13
11/15/95	<0.5	<0.5	<0.5	<0.5	<50	<200	--	ND	
MW-8	12/27/93	0.4	4	0.4	1	390	<100	<1	<sup>a</sup> 18
	03/09/94	0.6	0.8	0.5	1.5	420	<100	--	<sup>o</sup> 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	<sup>o</sup> <250	--	<sup>g</sup> 9
	12/01/94	5.4	<0.3	0.7	1.3	230	<sup>o</sup> <250	--	<sup>o</sup> ND
	03/08/95	<0.3	<0.3	<0.3	<0.5	230	<sup>o</sup> <250	--	ND
	06/09/95	<0.3	<0.3	<0.3	<0.5	<50	<sup>o</sup> <250	--	ND
	08/29/95	0.9	0.4	<0.3	0.8	200	<sup>o</sup> <250	--	<sup>h</sup> 15
	11/15/95	0.58	<0.5	<0.5	0.54	120	--	--	<sup>g</sup> 21
	12/11/95	--	--	--	--	--	<sup>o</sup> <200	--	--

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)  
\* = 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

**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:

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

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

## Groundwater Sampling

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

Groundwater samples are collected from each well using a new, prepackaged disposable bailer and string. The water sample is decanted from the bailer into laboratory-provided containers (appropriate for the analyses required) so that there is no headspace in the containers. Samples collected for benzene, toluene, ethylbenzene, xylene, and total petroleum hydrocarbons (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/Telegraph  
Store #: 1058  
Project Manager: Mike Wray

Technician: Hector Meano  
Schedule:  
Job No. 020200094.030542

**PREPARATORY COMMENTS**

Visit Date: 9/15/95 Arrival Time: 8:00am Departure Time: 9:00am

Called Project Manager? YES  NO  Time: \_\_\_\_\_ Who: \_\_\_\_\_

If you did not call, why not? NO REASON.

Weather: Rain Snow Sunny  Cloudy Temperature: 65°

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

MW-1:	DTB_21.72	DTW <u>11.71</u>	DTP _____	PT _____
MW-2:	DTB_21.79	DTW <u>11.42</u>	DTP _____	PT _____
MW-3:	DTB_24.67	DTW <u>13.00</u>	DTP <u>12.86</u>	PT <u>0.14</u>
MW-4:	DTB_22.97	DTW <u>11.99</u>	DTP _____	PT _____
MW-5:	DTB_25.27	DTW <u>11.00</u>	DTP _____	PT _____
MW-6:	DTB_22.05	DTW <u>11.35</u>	DTP _____	PT _____
MW-7:	DTB_21.70	DTW <u>11.65</u>	DTP _____	PT _____
MW-8:	DTB_22.14	DTW <u>12.70</u>	DTP _____	PT _____

NOTES: \_\_\_\_\_  
MW-1 INSTALLED NEW CAP + LOCK  
THERE ARE TWO WATER DRUMS WITH NON CLAS STICKERS.  
6/9/95, WELL LIDS HAVE NO 9/16 BOLTS.

HOURS ESTIMATED: 3:00 HOURS USED: 2:00

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

**SITE VISIT FORM**  
**GROUNDWATER TECHNOLOGY, INC.**

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

Technician: HECTOR MERINO  
Schedule: 10/20/95  
Job No. 020200094.030542

**PREPARATORY COMMENTS**

Visit Date: 10/20/95 Arrival Time: 9:30 Departure Time: 12:00

Called Project Manager? YES NO Time: \_\_\_\_\_ Who: \_\_\_\_\_

If you did not call, why not? \_\_\_\_\_

Weather: Rain Snow Sunny Cloudy Temperature: \_\_\_\_\_

**WELL GAUGING - TASK Nr: 030542 [MONTHLY]**

Decon IP between each well. IP #: \_\_\_\_\_

MW	DTB	DTW	DTP	PT
MW-1:	DTB_21.72	DTW <u>11.80</u>	DTP _____	PT _____
MW-2:	DTB_21.79	DTW <u>11.32</u>	DTP _____	PT _____ <u>11.42(DTW)</u>
MW-3:	DTB_24.67	DTW <u>12.86</u>	DTP <u>12-83</u>	PT <u>0.03</u>
MW-4:	DTB_22.97	DTW <u>12.00</u>	DTP _____	PT _____
MW-5:	DTB_25.27	DTW <u>11.02</u>	DTP _____	PT _____
MW-6:	DTB_22.05	DTW <u>11.32</u>	DTP _____	PT _____
MW-7:	DTB_21.70	DTW <u>11.64</u>	DTP _____	PT _____
MW-8:	DTB_22.14	DTW <u>12.69</u>	DTP _____	PT _____

NOTES: I P. QUIT, HAD TO GO TO THE OFFICE AND GET NEW ONE. \*  
ALL CARS + LOCKS ARE IN GOOD WORKING CONDITION.  
I CLEANED UP DIRT BUILD UP INSIDE WELL BOWES.  
ALL WELLS MISSING 9/16 BOLTS. THERE ARE NO DEUTYS ON SITE!  
NOTE: DID NOT BILL TIME DRIVING BACK TO OFFICE. //

MAP SHOWS  
PREVIOUS  
STORAGE  
LOCATION

HOURS ESTIMATED: 300 HOURS USED: 300

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

**SITE VISIT FORM  
GROUNDWATER TECHNOLOGY, INC.**

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

Technician: HECTOR MERINO  
Schedule: 11-15-95  
Job No. 020200094.030543

**WELL WATER SAMPLING - TASK Nr: 030804 [QUARTERLY]**  
Gauge wells for volume of water & bail 3 well Vol.s. DECON  
all equipment & change gloves, string, etc. between each well.

Well ID	DTB	DTW	SAT. THICK	#GAL. BAILED
MW-1:	DTB_21.72	DTW <u>11.61</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>
MW-2:	DTB_21.79	DTW <u>11.37</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>
MW-3:	DTB_24.67	DTW <u>12.81</u>	SAT. THICK <u>0.07</u>	#GAL. BAILED <u>—</u>
MW-4:	DTB_22.97	DTW <u>11.96</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>
MW-5:	DTB_25.27	DTW <u>11.95</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>6</u>
MW-6:	DTB_22.05	DTW <u>11.20</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>
MW-7:	DTB_21.70	DTW <u>11.60</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>
MW-8:	DTB_22.14	DTW <u>12.67</u>	SAT. THICK <u>—</u>	#GAL. BAILED <u>5</u>

MIN-3 DTP 12.74

NOTES:

MONITORED ALL WELLS, SAMPLED 7 WELLS, MW3 HAS  
Product 107 (NOTE: NEED TO BUY 9/16 HARDENED BOLTS  
FOR WELLS). OSH? TWO DRUMS ARE LEFT ON SITE WITH  
NON CLASS BABLES.

HOURS ESTIMATED: 6.00      HOURS USED 4.00

FINAL CHECKS

TRAVEL.      2.00  
TOTAL.      6.00

Are Wells Locked?  YES  NO Why Not?

Are Manholes Bolted Down? YES  NO Why Not?

NO BOLTS

Project Name: Sears - Telegraph  
 Site Address: 2633 Telegraph Ave., Oakland  
 Project Number: 020200095.030543

Date: 11/15/95  
 Page 1 of 8  
 Project Manager: Mike Wray

Well ID: MW5 DTW Measurements: Initial: 11.95 Calc Well Volume:  $\frac{2.1}{13.32}$  gal  
 Well Diameter: 2 Recharge: 11.82 Well Volume:  $\times 3$  6.5 gal  
 DTB: 25.27

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

Calibrated YSI 1 to 7+4 Buffer Solution @ 11:00 on 11-15-95

Time	Temp <input checked="" type="checkbox"/> C F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
11:11	19.2	0.72	6.99	1	cloudy	
11:12	20.1	0.73	6.73	2		
11:13	21.2	0.76	6.53	3		
11:14	22.6	0.77	6.41	4		
11:15	22.7	0.77	6.40	5		
11:16	22.9	0.76	6.40	6		✓

Project Name: Sears - Telegraph  
 Site Address: 2633 Telegraph Ave., Oakland  
 Project Number: 020200095.030543

Date: 11/15/95  
 Page 2 of 8  
 Project Manager: Mike Wray

Well ID: MW-1  
 Well Diameter: 2

DTW Measurements:  
 Initial: 11.61      Calc Well Volume: 1.6 gal  
 Recharge: 11.56      Well Volume: 5 gal  
 DTB: 21.72

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

Instruments Used  
 YSI: X \_\_\_\_\_      Other: \_\_\_\_\_  
 Hydac: \_\_\_\_\_  
 Omega: \_\_\_\_\_

Time	Temp		Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
	<u>X</u>	<u>C</u> <u>F</u>					
11:26	22.1	0.62	6.34	1	↓ BROWN CLOUDY		
11:27	22.3	0.62	6.31	2			
11:28	22.1	0.61	6.29	3			
11:29	22.2	0.61	6.30	4			
11:30	22.1	0.62	6.29	5			



Project Name: Sears - Telegraph  
 Site Address: 2633 Telegraph Ave., Oakland  
 Project Number: 020200095.030543

Date: 11/15/95  
 Page 4 of 8  
 Project Manager: Mike Wray

Well ID: Mw-7  
 Well Diameter: 2

DTW Measurements:  
 Initial: 11.96  
 Recharge: 11.94  
 DTB: 21.70  
 Calc Well Volume: 1.5 gal  
 Well Volume: X3 5 gal

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

Instruments Used  
 YSI: X  
 Hydac: \_\_\_\_\_  
 Omega: \_\_\_\_\_  
 Other: \_\_\_\_\_

Time	Temp <u>X</u> C F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
11:49	21.8	0.57	6.28	1	Cloudy	Grey
11:50	22.0	0.56	6.31	2	↓	
11:51	22.2	0.61	6.35	3	cloudy	
11:52	22.3	0.61	6.40	4	↓	
11:53	22.3	0.54	6.43	5	↓	



Project Name: Sears - Telegraph  
 Site Address: 2633 Telegraph Ave., Oakland  
 Project Number: 020200095.030543

Date: 11/15/95  
 Page 5 of 8  
 Project Manager: Mike Wray

Well ID: MW-8  
 Well Diameter: 2

DTW Measurements:  
 Initial: 12.67 Calc Well Volume: 1.5 gal  
 Recharge: 12.66 Well Volume: 5 gal  
 DTB: 22.14

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

Instruments Used  
 YSI: X \_\_\_\_\_ Other: \_\_\_\_\_  
 Hydac: \_\_\_\_\_  
 Omega: \_\_\_\_\_

Time	Temp <u>X</u> C F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
12:02	22.0	0.67	6.39	1	cloudy	
12:03	22.4	0.70	6.34	2		
12:04	22.7	0.71	6.36	3		
12:05	22.7	0.73	6.40	4		
12:06	22.6	0.72	6.39	5	↓	



Project Name: Sears - Telegraph

Date: 11/15/95

Site Address: 2633 Telegraph Ave., Oakland

Page 7 of 8

Project Number: 020200095.030543

Project Manager: Mike Wray

Well ID: Mw.4

DTW Measurements:

Initial: 11.96

Calc Well Volume: 1.7 gal

Well Diameter: 2

Recharge: 11.89

Well Volume: 5 gal

DTB: 22.97

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

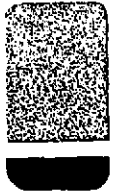
Instruments Used  
 YSI: X \_\_\_\_\_ Other: \_\_\_\_\_  
 Hydac: \_\_\_\_\_  
 Omega: \_\_\_\_\_

Time	Temp <u>X</u> C F	Conductivity	pH	Purge Volume Gallons	Turbidity	Comments
12:40	22.2	0.60	6.40	1	cloudy	
12:41	22.4	0.63	6.38	2	↓	
12:42	22.7	0.61	6.37	3		
12:43	23.0	0.63	6.38	4		
12:44	22.9	0.61	6.39	5		





**ATTACHMENT 4**  
**Laboratory Reports**  
**and Chain-of-Custody Record**



# GTEL

ENVIRONMENTAL  
LABORATORIES, INC.

**Midwest Region**

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

December 8, 1995

Mike Wray  
Groundwater Technology, Inc.  
4057 Port Chicago Hwy  
Concord, CA 94520

---

RE: GTEL Client ID: 020200094  
Login Number: W5110417  
Project ID (number): 020200094  
Project ID (name): SEARS/2633 TELEGRAPH AVE/BERKELEY/CA

---

Dear Mike Wray:

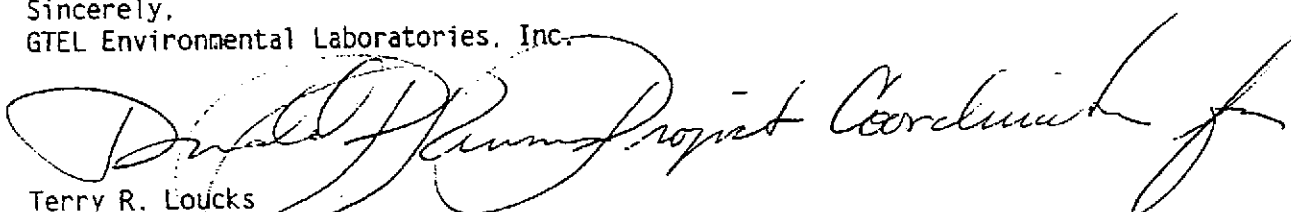
Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 11/18/95 under Chain-of-Custody Number(s) 40301.

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.

GTEL is certified by the 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

**ANALYTICAL RESULTS**  
Results For Multiple Methods

GTEL Client ID: 020200094  
 Login Number: W5110417  
 Project ID (number): 020200094  
 Project ID (name): SEARS/2633 TELEGRAPH AVE/BERKELEY/CA

Method: See Below  
 Matrix: Aqueous

	GTEL Sample Number	W5110417-02	W5110417-04	W5110417-05	W5110417-06
	Client ID	MW5	MW6	MW7	MW8
	Date Sampled	11/15/95	11/15/95	11/15/95	11/15/95
EPA 6010A	Date Prepared	11/27/95	11/27/95	11/27/95	11/27/95
EPA 6010A	Date Analyzed	11/28/95	11/28/95	11/28/95	11/28/95
EPA 6010A	Dilution Factor	1.00	1.00	1.00	1.00
EPA 7421	Date Prepared	11/28/95	11/28/95	11/28/95	11/28/95
EPA 7421	Date Analyzed	11/29/95	11/29/95	11/29/95	11/29/95
EPA 7421	Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:
<b>Inorganics (MT, WC)</b>			
Cadmium	EPA 6010A	20 ug/L	< 20
Chromium	EPA 6010A	30 ug/L	< 30
Lead	EPA 7421	4.0 ug/L	< 4.0
Nickel	EPA 6010A	40 ug/L	< 40
Zinc	EPA 6010A	20 ug/L	< 20

**Notes:**

**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA 6010A:**

Digestion for Total Metals by EPA Method 3010A.

**EPA 7421:**

Digestion for Total Metals by EPA Method 3020A.

**EPA 6010A, EPA 7421:**

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including Update 1.

**W5110417-02:**

All the samples were filtered as per client request. The results indicate dissolved metals at the time of filtration.



ANALYTICAL RESULTS  
Results For Multiple Methods

GTEL Client ID: 020200094  
 Login Number: W5110417  
 Project ID (number): 020200094  
 Project ID (name): SEARS/2633 TELEGRAPH AVE/BERKELEY/CA

Method: See Below  
 Matrix: Aqueous

	GTEL Sample Number	W5110417-07	W5110417-08	--	--
	Client ID	MW2	MW4	--	--
	Date Sampled	11/15/95	11/15/95	--	--
EPA 6010A	Date Prepared	11/27/95	11/27/95	--	--
EPA 6010A	Date Analyzed	11/28/95	11/28/95	--	--
EPA 6010A	Dilution Factor	1.00	1.00	--	--
EPA 7421	Date Prepared	11/28/95	11/28/95	--	--
EPA 7421	Date Analyzed	11/29/95	11/29/95	--	--
EPA 7421	Dilution Factor	1.00	1.00	--	--

Analyte	Reporting		Concentration:		
	Limit	Units			
Cadmium	EPA 6010A	20.	ug/L	< 20.	< 20.
Chromium	EPA 6010A	30.	ug/L	< 30.	< 30.
Lead	EPA 7421	4.0	ug/L	< 4.0	< 4.0
Nickel	EPA 6010A	40.	ug/L	< 40.	< 40.
Zinc	EPA 6010A	20.	ug/L	< 20.	< 20.

Notes:

## Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

## EPA 6010A:

Digestion for Total Metals by EPA Method 3010A.

## EPA 7421:

Digestion for Total Metals by EPA Method 3020A.

## EPA 6010A, EPA 7421:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including Update 1.

Project Number: 020200094  
 (030543)  
 Sears  
 2633 Telegraph Ave.  
 Berkeley, CA  
 Work Order Number: W5-11-0417  
 Date Reported: 12-05-95

## ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Lubricating Oil<sup>b</sup> in Water  
 GC/FID<sup>a</sup>

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, ug/L	Reporting Limit, ug/L
GTEL No.	Client ID					
02	MW-5	11-15-95	11-20-95	12-01-95	<200	200
03	MW-1	11-15-95	11-20-95	12-01-95	<200 <sup>c</sup>	200
04	MW-6	11-15-95	11-20-95	12-01-95	<200	200
05	MW-7	11-15-95	11-20-95	12-01-95	<200	200
07	MW-2	11-15-95	11-20-95	12-01-95	6100	200
08	MW-4	11-15-95	11-20-95	12-01-95	2100	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 C, 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 Chromatographic data indicates the presence of material lighter than lubricating oil in this sample.

SENT BY: SEQUOIA ANALYTICAL

12-7-95 ; 13:23 ;

WALNUT CREEK→

316 845 0506;# 2



**Sequoia Analytical**

480 Chesapeake Drive  
404 N. Wight Lane  
819 Striker Avenue, Suite 1

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 864-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 864-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

GTEL Wichita Login: W5-11-0417

GTEL 4080 Pike Lane, Ste. C Concord, CA 94520 Attention: Justin Ward	Client Project ID: #W5-11-0417 Sample Matrix: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 511-1950	Sampled: Nov 16, 1995 Received: Nov 22, 1995 Reported: Dec 1, 1995
---	--	--

QC Batch Number:	GC112895	GC112895	GC112895	GC112895	GC112895	GC112895
	802009A	802009A	802009A	802009A	802009A	802009A

**TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION**

Analyte	Reporting Limit µg/L	Sample I.D. 511-1950 MW-5	Sample I.D. 511-1952 MW-6	Sample I.D. 511-1953 MW-7	Sample I.D. 511-1954 MW-8	Sample I.D. 511-1955 MW-2	Sample I.D. 511-1956 MW-4
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	120	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	0.58	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	0.54	N.D.	N.D.
Chromatogram Pattern:	..	..	..	Gasoline & Unidentified Hydrocarbons >C8	..	..	..

**Quality Control Data**

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	11/28/95	11/28/95	11/28/95	11/28/95	11/28/95	11/28/95
Instrument Identification:	HP-9	HP-9	HP-9	HP-9	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	90	87	89	83	90	92

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL #1271

Kenneth L. Wilmer  
Project Manager

SENT BY: SEQUOIA ANALYTICAL

112- 7-95 ; 13:23 ;

WALNUT CREEK→

316 945 0506;# 3



**Sequoia Analytical**

680 Chesapeake Drive  
404 N. Wiger Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

GTEL Wichita Login: W5-11-0417

<b>GTEL</b>	<b>Client Project ID:</b> #W5-11-0417	<b>Sampled:</b> Nov 15, 1995
4080 Pike Lane, Ste. C	<b>Sample Descript:</b> Water, MW-1	<b>Received:</b> Nov 22, 1995
Concord, CA 94520	<b>Analysis Method:</b> EPA 5030/8020	<b>Analyzed:</b> Nov 28, 1995
<b>Attention:</b> Justin Ward	<b>Lab Number:</b> 511-1951	<b>Reported:</b> Dec 1, 1995

QC Batch Number: GC112895802007A

Instrument ID: HP-7

**AROMATIC VOLATILE ORGANICS (EPA 8020)**

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
Ethyl Benzene.....	0.50	N.D.
Toluene.....	0.50	N.D.

Surrogates	Control Limit %	% Recovery
1,3,5-Trifluorobenzene.....	50 150.....	87
4-Bromofluorobenzene.....	50 150.....	93

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

SEQUOIA ANALYTICAL #1271

*[Signature]*  
Kenneth L. Wimer



**Sequoia Analytical**

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600  
619 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

GTEL Wichita Login: W5-11-0417

<b>GTEL</b>	<b>Client Project ID:</b> #W5-11-0417	<b>Sampled:</b> Nov 15, 1995
4080 Pike Lane, Sta. C	<b>Sample Descript:</b> Water, DUP	<b>Received:</b> Nov 22, 1995
Concord, CA 94520	<b>Analysis Method:</b> EPA 5030/8020	<b>Analyzed:</b> Nov 28, 1995
Attention: Justin Ward	<b>Lab Number:</b> 511-1957	<b>Reported:</b> Dec 1, 1995

QC Batch Number: GC112895802007A  
Instrument ID: HP-7

**AROMATIC VOLATILE ORGANICS (EPA 8020)**

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
Ethyl Benzene.....	0.50	N.D.
Toluene.....	0.50	N.D.

**INTERNAL STANDARDS**

Surrogates	Control Limit %	% Recovery
1,3,5-Trifluorobenzene.....	50 150.....	92
4-Bromofluorobenzene.....	50 150.....	104

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

SEQUOIA ANALYTICAL, #1271

Kenneth L. Wimer  
Project Manager



**Sequoia  
Analytical**

610 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

GTEL Wichita Login: W5-11-0417

GTEL  
4080 Pike Lane, Ste. C  
Concord, CA 94520  
Attention: Justin Ward

Client Project ID: #W5-11-0417  
Matrix: Liquid

QC Sample Group: 5111950-957

Reported: Dec 1, 1995

### QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC112895 802009A	GC112895 802009A	GC112895 802009A	GC112895 802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	K. Nili	K. Nili	K. Nili	K. Nili
MS/MSD #:	5111920	5111920	5111920	5111920
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/28/95	11/28/95	11/28/95	11/28/95
Analyzed Date:	11/28/95	11/28/95	11/28/95	11/28/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	20	19	64
MS % Recovery:	95	100	95	107
Dup. Result:	19	20	20	67
MSD % Recov.:	95	100	100	112
RPD:	0.0	0.0	5.1	4.4
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	4LCS112895	4LCS112895	4LCS112895	4LCS112895
Prepared Date:	11/28/95	11/28/95	11/28/95	11/28/95
Analyzed Date:	11/28/95	11/28/95	11/28/95	11/28/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	17	19	19	63
LCS % Recov.:	87	93	94	106


MS/MSD LCS Control Limits	71-139	72-126	72-130	71-120
---------------------------------	--------	--------	--------	--------

**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, #1271

  
Kenneth L. Wimer  
Project Manager



# Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600  
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600  
 819 Striker Avenue, Suite # Sacramento, CA 95834 (916) 921-9600

FAX (415) 364-9233  
 FAX (510) 988-9673  
 FAX (916) 921-0100

GTEL Wichita Login: W5-11-0417

GTEL 4080 Pike Lane, Ste. C Concord, CA 94520 Attention: Justin Ward	Client Project ID: #W5-11-0417 Matrix: Liquid	QC Sample Group: 5111850-957	Reported: Dec 1, 1995
---	--	------------------------------	-----------------------

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Chloro-benzene
QC Batch#:	GC112895	GC112895	GC112895
	802007A	802007A	802007A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030
Analyst:	I.Z.	I.Z.	I.Z.
MS/MSD #:	BLK112895	BLK112895	BLK112895
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	11/28/95	11/28/95	11/28/95
Analyzed Date:	11/28/95	11/28/95	11/28/95
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
Result:	11	11	10
MS % Recovery:	109	112	103
Dup. Result:	11	12	11
MSD % Recov.:	119	116	107
RPD:	3.6	3.5	3.8
RPD Limit:	0-30	0-30	0-30

LCS #:	LCS112895	LCS112895	LCS112895
Prepared Date:	11/28/95	11/28/95	11/28/95
Analyzed Date:	11/28/95	11/28/95	11/28/95
Instrument I.D.#:	HP-7	HP-7	HP-7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L
LCS Result:	10	10	9.3
LCS % Recov.:	101	101	93

MS/MSD	LCS	30-150	48-148	55-135
Control Limits				

**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, #1271

*(Signature)*  
 Kenneth L. Wilmer  
 Project Manager



# GTEL

ENVIRONMENTAL  
LABORATORIES, INC.

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

Project ID (Name): 2633 Telegraph  
Work Order Number: W5-12-0291

January 3, 1996

Mike Wray  
Groundwater Technology, Inc.  
4057 Port Chicago Hwy  
Concord, CA 94520

Dear Mike Wray:

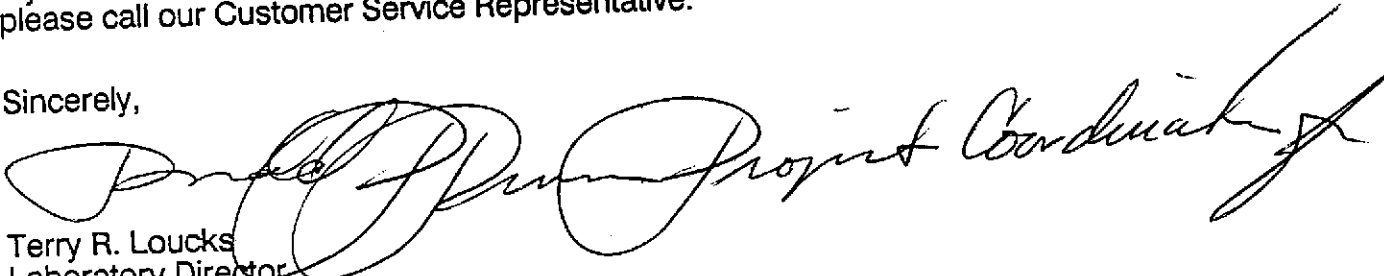
Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories on 12-15-95 under chain-of custody 40358.

A formal quality control/quality assurance 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.

GTEL is certified by the California Department of Health Services under Certification Number 1845.

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

Sincerely,

  
Terry R. Loucks  
Laboratory Director

GTEL Wichita, Ks



Project Number: 2633 Telegraph  
Work Order Number: W5-12-0291  
Date Reported: 01-03-96

### ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Lubricating Oil in Water  
GC/FID<sup>a</sup>

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, ug/L	Reporting Limit, ug/L
GTEL No.	Client ID					
01	MW-8	12-11-95	12-18-95	12-31-95	<200 <sup>c</sup>	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 Chromatographic data indicates the presence of material lighter than motor oil in the sample.



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

**CHAIN-OF-CUSTODY RECORD  
AND ANALYSIS REQUEST**

40358

**ANALYSIS REQUEST**

**OTHER**

Company Name: **GROUNDWATER TECHNOLOGY** Phone #: \_\_\_\_\_  
 Company Address: **4057 PORT HICHER GO HWY 263 TELEGRAPH** FAX #: \_\_\_\_\_  
 Project Manager: **MIKE WRAY** Client Project ID: (#) \_\_\_\_\_

I attest that the proper field sampling procedures were used during the collection of these samples.  
 (NAME) **HECTOR MENDOZA**  
 Sampler Name (Print): \_\_\_\_\_

Field Sample ID	GTEL Lab # (Lab Use) only	# CONTAINERS	Matrix						Method Preserved						Sampling						
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE	UNPRE-SERVED	OTHER (Specify)	DATE	TIME					
MW-8		2	X																		

<input type="checkbox"/>	BTEX 602 <input type="checkbox"/> 8020 <input type="checkbox"/> with MTBE <input type="checkbox"/>	<input type="checkbox"/>	BTEX/Gas Hydrocarbons PID/FID <input type="checkbox"/> with MTBE <input type="checkbox"/>	<input type="checkbox"/>	Hydrocarbons GC/FID Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Screen <input type="checkbox"/>	<input type="checkbox"/>	Hydrocarbon Profile (SIMPIS) <input type="checkbox"/>	<input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503 <input type="checkbox"/>	<input type="checkbox"/>	TPH/IR 418.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>	<input type="checkbox"/>	EDB by 504 <input type="checkbox"/> DECP by 504 <input type="checkbox"/>	<input type="checkbox"/>	EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>	<input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	<input type="checkbox"/>	EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	<input type="checkbox"/>	EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	<input type="checkbox"/>	EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	<input type="checkbox"/>	EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	<input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	<input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	<input type="checkbox"/>	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	<input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	<input type="checkbox"/>	CAM Metals TLLC <input type="checkbox"/> STLC <input type="checkbox"/>	<input type="checkbox"/>	Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	<input type="checkbox"/>	Organic Lead <input type="checkbox"/>	<input type="checkbox"/>	Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--	--------------------------	---	--------------------------	--	--------------------------	---	--------------------------	--	--------------------------	---	--------------------------	--	--------------------------	---	--------------------------	--	--------------------------	--	--------------------------	--	--------------------------	---	--------------------------	---	--------------------------	--	--------------------------	--	--------------------------	---	--------------------------	---	--------------------------	--	--------------------------	--	--------------------------	---------------------------------------	--------------------------	---	--------------------------

X TPH-AS-MOTOR OIL

**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:**

Lab Use Only Lot #: \_\_\_\_\_ Storage Location \_\_\_\_\_

No Seals 200

Work Order #: \_\_\_\_\_

**CUSTODY RECORD**

Relinquished by Sampler: _____	Date _____ Time _____	Received by: _____
Relinquished by: <b>John W. Wray</b>	Date <b>12/13/90</b> Time <b>12:00</b>	Received by: _____
Relinquished by: _____	Date _____ Time _____	Received by Laboratory: _____
	Date <b>12/14/91</b> Time <b>1:00</b>	Waybill # <b>667775973 - Sammy Decker</b>
	Date <b>12/15/95</b> Time <b>10:05</b>	