R0480

GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387
FAX: (415) 685-9148

May 20, 1994

Project No. 020204554

Ms. Bernadine Palka
Sears, Roebuck and Company
3333 Beverly Road, Building A2-281A
Department 824C
Hoffman Estates, IL 60179

SUBJECT: *Quarterly Monitoring and Sampling Report*
February through April 1994
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California

Dear Ms. Palka:

Groundwater Technology, Inc. is pleased to submit this *Quarterly Monitoring and Sampling Report* for February through April 1994. This report presents the results of monitoring well gauging and sample analyses for the former Sears Automotive Center located at 2633 Telegraph Avenue, Oakland, California (Attachment 1, Figure 1). The monitoring and sampling activities were performed and this report prepared according to the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites*, dated August 10, 1990, the *State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Field Manual*, and the sampling requirements approved by Alameda County Health Care Services Agency, October 7, 1992, and amended in correspondence to Sears, dated June 1, 1993.

SUMMARY OF WORK COMPLETED

Monitoring Well Gauging

On February 8, March 9, and April 1, 1994, the depth to groundwater was measured in monitoring wells MW-1 through MW-8. Groundwater monitoring data are presented in Attachment 2, Table 1. The wells were monitored during each event using an INTERFACE PROBE™ Well Monitoring System, which can detect both water and separate-phase product levels.

Groundwater monitoring data were used to construct potentiometric surface maps (Figures 2 through 4). The local groundwater gradient was approximately 0.01 foot per foot (ft/ft) to the southeast on February 8, 1994, and approximately 0.02 ft/ft to the south/southeast on March 9 and April 1, 1994. No separate-phase hydrocarbons were detected in the wells during this reporting period.

Monitoring Well Sampling and Results

On March 9, 1994, groundwater samples were collected from monitoring wells MW-1 through MW-8 and analyzed for hydrocarbon constituents. The groundwater samples from monitoring wells MW-2, MW-5, MW-6, and MW-7 were analyzed for dissolved metals. The groundwater samples collected from wells MW-2 through MW-8 were analyzed for dissolved lead. Before sampling, the wells were purged of approximately 3 well-casing volumes. The temperature, conductivity, and pH of the purge water were measured during purging. Well purge data are included in Attachment 3.

Groundwater samples were collected using disposable, polyurethane bailers and placed in appropriate containers. The sample containers were labeled and placed in an ice-chilled, insulated cooler for transport under chain-of-custody protocol to a California-certified laboratory for the analyses described below. A summary of historical groundwater analytical results is presented in Table 2.

- Groundwater samples from wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using Environmental Protection Agency (EPA) Methods 5030/8020 and total petroleum hydrocarbons-as-motor oil (TPH-M) using modified EPA Method 8015.

- Groundwater samples from wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 were analyzed for total petroleum hydrocarbons-as-gasoline (TPH-G) using modified EPA Method 8015.

- A groundwater sample from well MW-3 was analyzed for total oil and grease (TOG) in water using EPA Method 413.1.

- Groundwater samples collected from wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 were analyzed for dissolved lead using EPA Method 7421; and samples collected from wells MW-2, MW-4, MW-5, MW-6, and MW-7 were analyzed for dissolved cadmium, chromium, nickel, and zinc using EPA Method 6010.

The laboratory reports and chain-of-custody records are included in Attachment 4. Figures 5 and 6 illustrate the distribution of TPH-G and TPH-M concentrations in the groundwater, respectively.

Aromatic Volatile Organic Compounds (VOCs). Concentrations of aromatic VOCs were detected in samples collected in March 1994 from wells MW-1 through MW-8 as follows: benzene from nondetectable to 2 micrograms per liter (μg/l); toluene from nondetectable to 1.4 μg/l; ethylbenzene from nondetectable to 4.5 μg/l; and xylenes from nondetectable to 13 μg/l. The results of BTEX analyses are summarized in Table 2.

Total Petroleum Hydrocarbons. Concentrations of TPH-G at 47 μg/l, 2,[illegible] μg/l, [illegible] μg/l, 22 μg/l, 15 μg/l, [illegible] μg/l, and 420 μg/l were detected in samples collected in March 1994 from wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8, respectively. Concentrations of TPH-M was detected only in samples from wells MW-3 and MW-4, at concentrations of [illegible] μg/l and [illegible] μg/l, respectively. The sample collected from well MW-3 contained 63 μg/l TOG. The results of TPH-G, TPH-M, and TOG analyses are summarized in Table 2.

Metals. No detectable concentrations of dissolved lead were found in the groundwater samples collected from wells MW-2 through MW-8. Cadmium, chromium, nickel, and zinc were not detected in the groundwater samples from wells MW-2, MW-4, MW-5, MW-6 and MW-7. The analytical results for metals are summarized in Table 2.

WORK TO BE COMPLETED FROM MAY THROUGH JULY 1994

Below is the schedule of planned work tasks at the site for May through July 1994:

Date	Task
05/94	Monthly well gauging.
06/94	Monthly well gauging and quarterly sampling.
07/94	Monthly well gauging and preparation of *Quarterly Monitoring and Sampling Report* for May through July 1994.

Additional assessment work is scheduled to be conducted starting in May 1994 and completed by mid-June 1994. The assessment work is designed to further delineate the distribution of hydrocarbons in the groundwater. The following activities will be conducted:

- Install two to three additional monitoring wells downgradient of wells MW-6 and MW-7.
- Prepare and submit a report to Alameda County Health Care Services Agency describing the findings of the further assessment.

If you have any questions or comments concerning this report, please call our Concord office at (510) 671-2387.

Sincerely,
Groundwater Technology, Inc.
Written/Submitted by

Elleen S. Wray
Project Geologist

Michael J. Wray
Project Manager

Groundwater Technology, Inc.
Reviewed/Approved by

Julie S. Menack
Certified Engineering Geologist
No. 1838

For:
Frank J. Gorry
Vice President, Operations Manager
National Industry Division

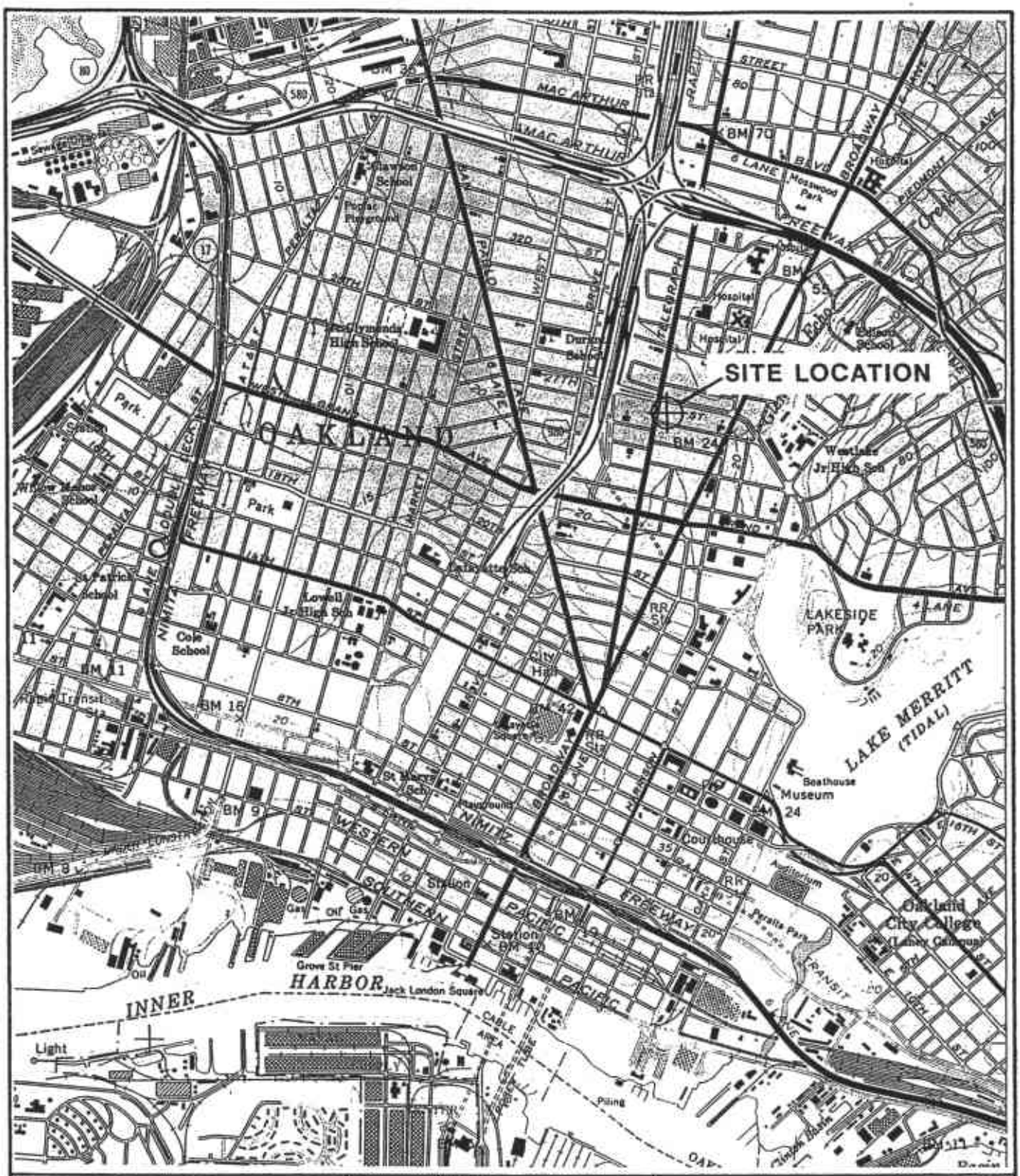
Attachment 1 Figures
Attachment 2 Tables
Attachment 3 Well Purge Data
Attachment 4 Laboratory Reports and Chain-of-Custody Record

cc: Thomas Peacock, Alameda County Health Services Agency
Richard Hiett, Regional Water Quality Control Board

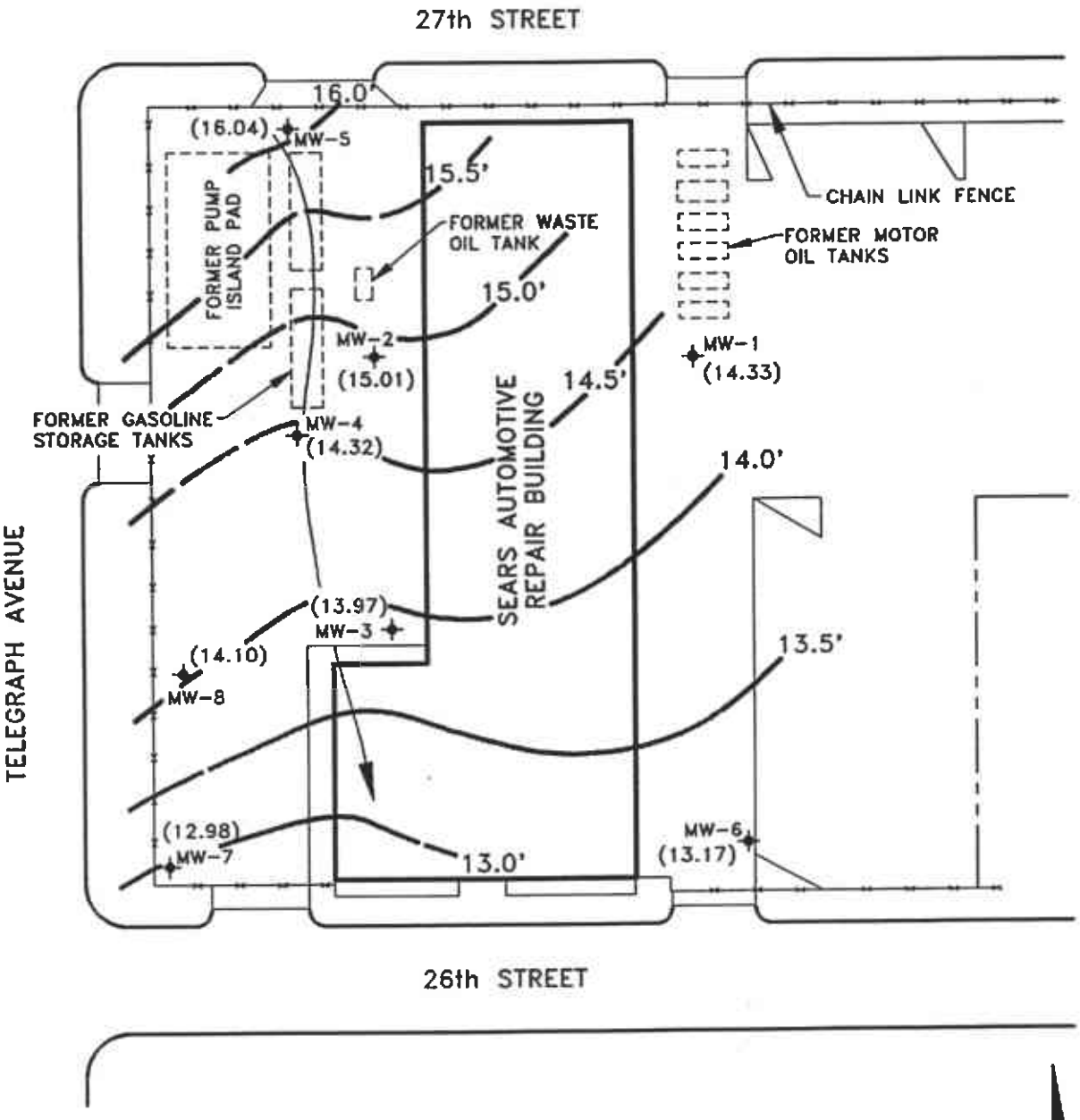
4554R034.202

ATTACHMENT 1

Figures

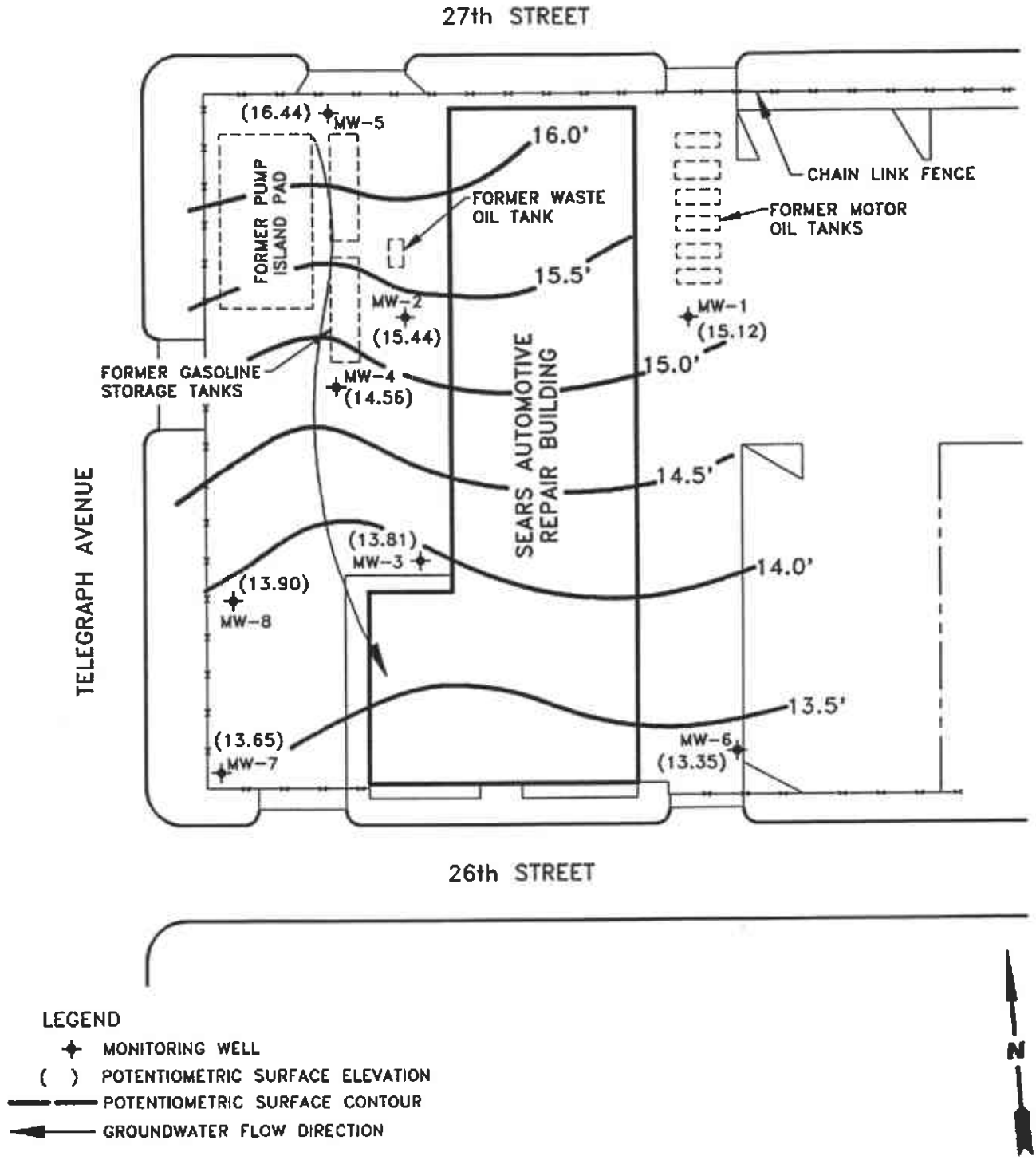


GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387	N	SCALE: 0 FEET 2000	**SITE LOCATION MAP**
		CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	DATE: 8/18/92
		LOCATION: 2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	FIGURE: 1



GROUNDWATER TECHNOLOGY	0 FEET 40 SCALE	**POTENTIOMETRIC SURFACE MAP (2/8/94)**

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: PSM2894/SPD93	PROJECT NO: 020204554	PM	RG/PE	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV: 2			FIGURE: 2	
	DES: EW	DET: ML	DATE: 5/24/94		

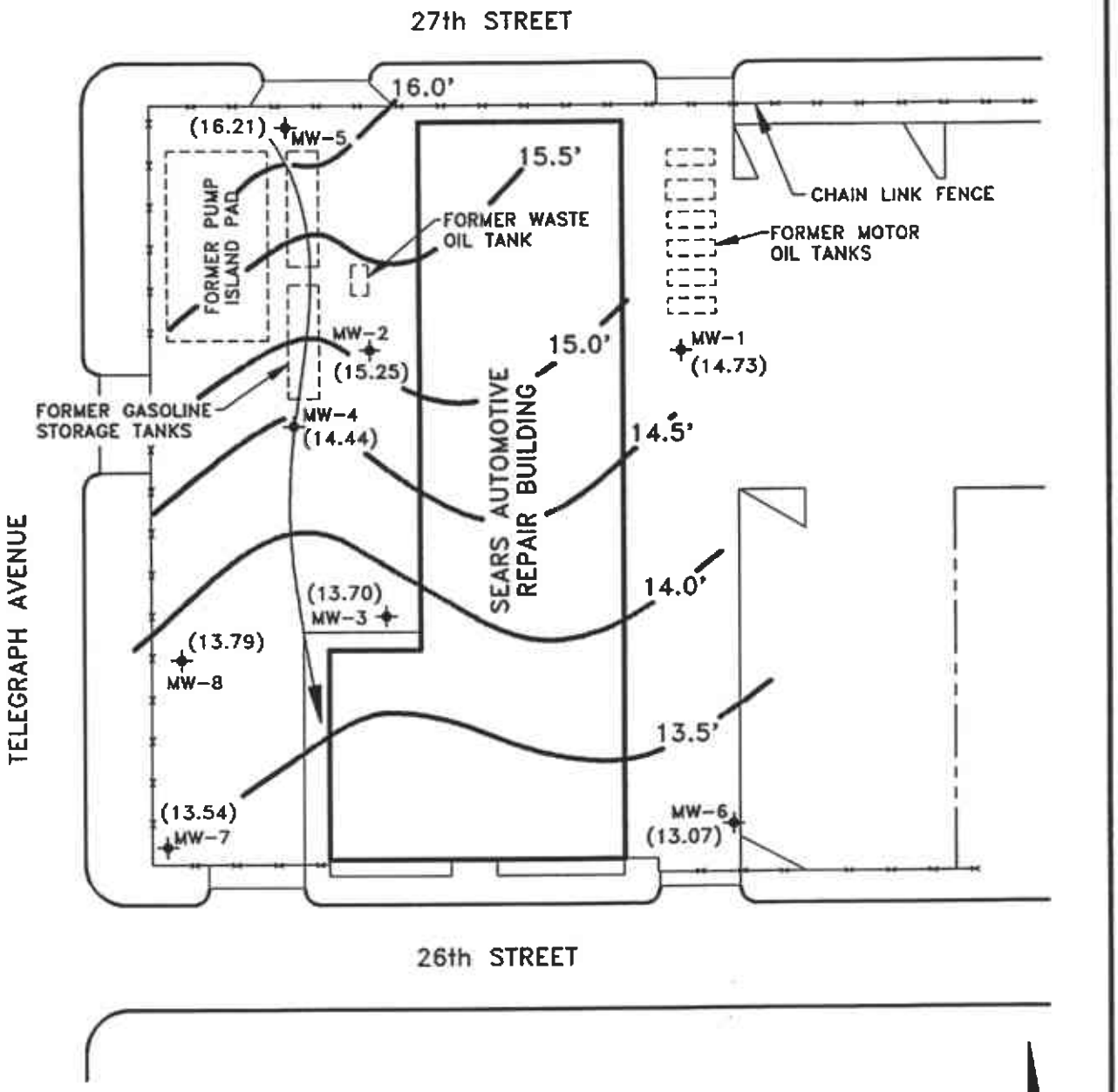


GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

POTENTIOMETRIC SURFACE MAP (3/9/94)

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: PSM3994/SPD93	PROJECT NO: 020204554	PM	RG/PE	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV: 2			FIGURE: 3	
	DES: EW	DET: ML	DATE: 5/24/94		

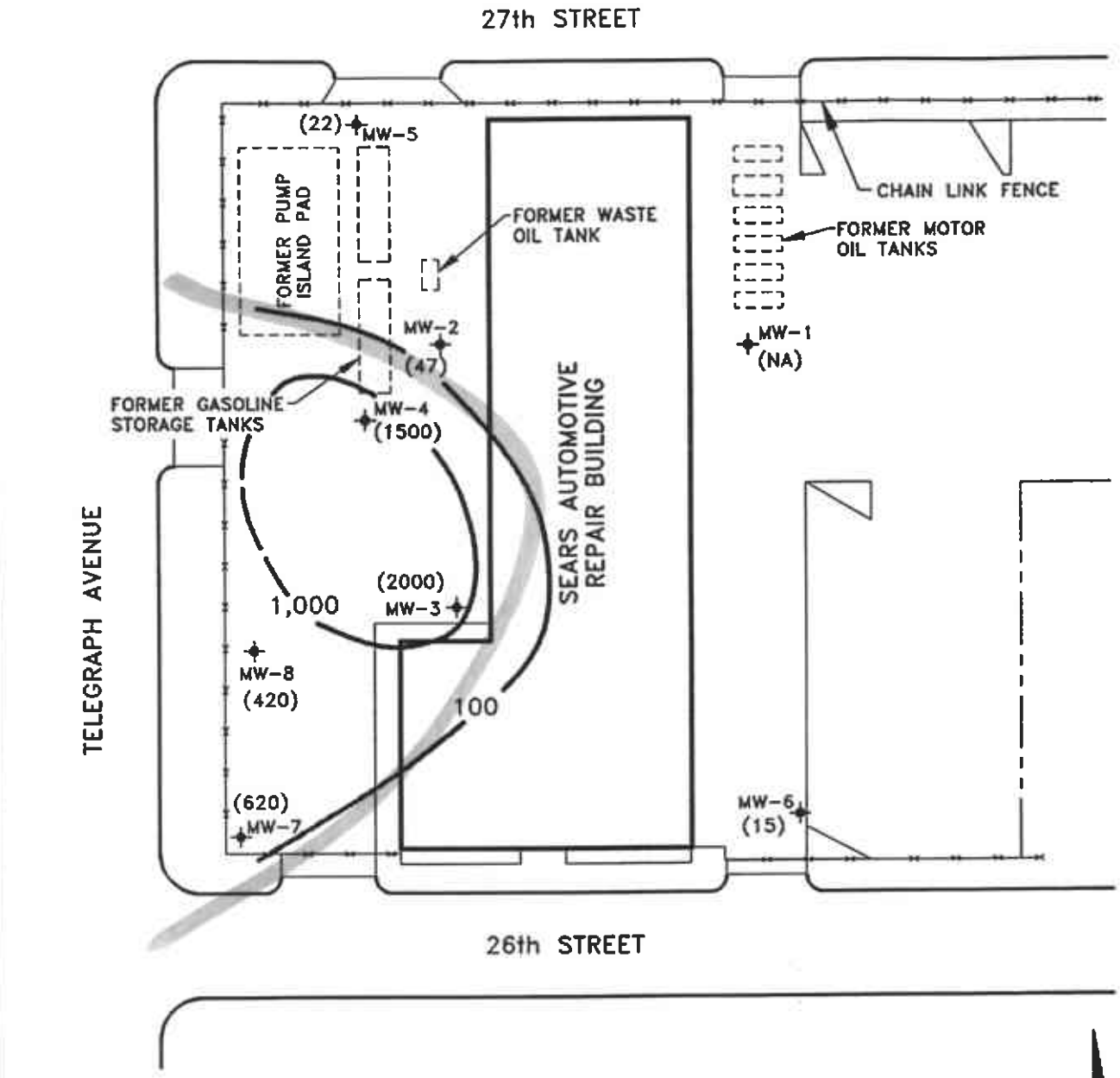


GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

POTENTIOMETRIC SURFACE MAP (4/1/94)

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: PSM4194/SPD93	PROJECT NO: 020204554	PM	RG/PE	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV: 2			FIGURE: 4	
	DES: EW	DET: ML	DATE: 5/@$/94		

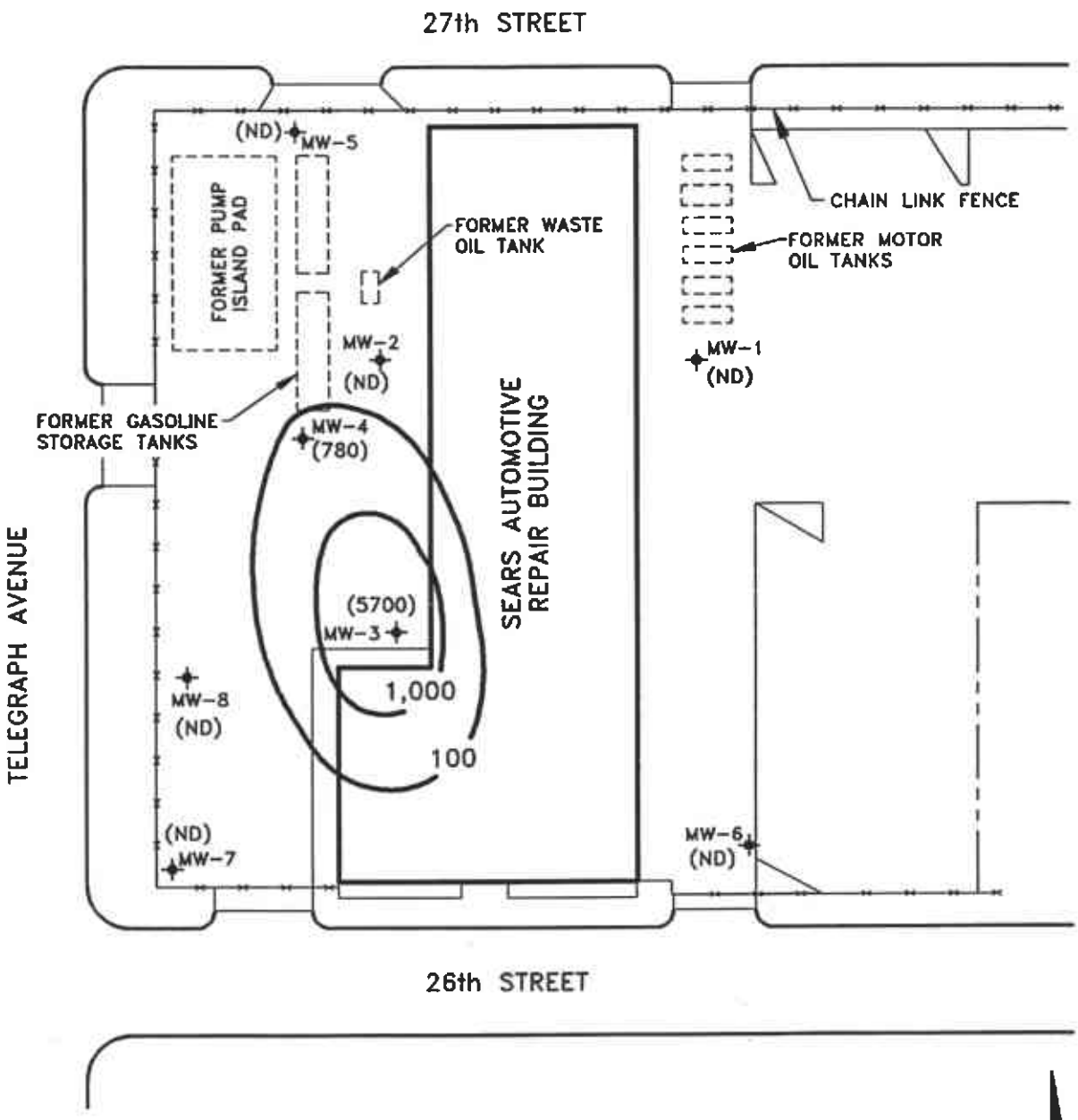


GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

TPH-AS-GASOLINE CONCENTRATIONS IN GROUNDWATER (MARCH 1994)

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: TPHG394		PROJECT NO: 020204554	PM	RG/PE
	REV: 2				
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	DES: EW	DET: ML	DATE: 5/24/94	FIGURE: 5	



GROUNDWATER TECHNOLOGY	0 FEET 40 SCALE	TPH-AS-MOTOR OIL CONCENTRATIONS IN GROUNDWATER (MARCH 1994)

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: TPHMO394	PROJECT NO: 020204554	PM	RG/PE	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV: 2			FIGURE: 6	
	DES: EW	DET: ML	DATE: 5/24/94		

ATTACHMENT 2

Tables

TABLE 1
SUMMARY OF HISTORICAL MONITORING DATA
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California

Well No.	Casing Elev	Date	DTW	DTP	PT	Groundwater Elevation
MW-1	26.20	12/30/92	10.60	--	--	15.60
		02/26/93	10.14	--	--	16.06
		03/24/93	10.48	--	--	15.72
		04/27/93	11.30	--	--	14.90
		05/28/93	11.43	--	--	14.77
		06/21/93	11.71	--	--	14.49
		07/22/93	11.87	--	--	14.33
		08/13/93	11.94	--	--	14.26
		09/16/93	12.05	--	--	14.15
		10/22/93	12.00	--	--	14.20
		11/03/93	12.10	--	--	14.10
		11/24/93	11.97	--	--	14.23
		12/01/93	11.46	--	--	14.74
		12/27/93	11.58	--	--	14.62
		01/05/94	11.69	--	--	14.51
		02/08/94	11.87	--	--	14.33
		03/09/94	11.08	--	--	15.12
		04/01/94	11.47	--	--	14.73
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

TABLE 1
SUMMARY OF HISTORICAL MONITORING DATA
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California

Well No.	Casing Elev	Date	DTW	DTP	PT	Groundwater Elevation
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	NM	NM
		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
MW-4	26.17	12/30/92	11.53	--	--	14.64
		02/26/93	11.35	--	--	14.82
		03/24/93	11.46	--	--	14.71
		04/27/93	11.74	--	--	14.43
		05/28/93	11.77	--	--	14.40
		06/21/93	11.92	--	--	14.25
		07/22/93	11.95	--	--	14.22
		08/13/93	12.01	--	--	14.16
		09/16/93	12.08	--	--	14.09
		10/22/93	12.03	--	--	14.14
		11/03/93	12.10	--	--	14.07
		11/24/93	12.02	--	--	14.15
		12/01/93	11.78	--	--	14.39
		12/27/93	11.80	--	--	14.37
		01/05/94	11.91	--	--	14.26
		02/08/94	11.85	--	--	14.32
		03/09/94	11.61	--	--	14.56
		04/01/94	11.73	--	--	14.44

TABLE 1
SUMMARY OF HISTORICAL MONITORING DATA
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California

Well No.	Casing Elev	Date	DTW	DTP	PT	Groundwater Elevation
MW-5	26.98	12/30/92	10.50	--	--	16.48
		02/26/93	10.12	--	--	16.86
		03/24/93	10.31	--	--	16.67
		04/27/93	10.75	--	--	16.23
		05/28/93	10.80	--	--	16.18
		06/21/93	10.94	--	--	16.04
		07/22/93	11.01	--	--	15.97
		08/13/93	11.07	--	--	15.91
		09/16/93	11.18	--	--	15.80
		10/22/93	11.19	--	--	15.79
		11/03/93	11.23	--	--	15.75
		11/24/93	12.00	--	--	14.98
		12/01/93	10.84	--	--	16.14
		12/27/93	10.81	--	--	16.17
		01/05/94	10.96	--	--	16.02
		02/08/94	10.94	--	--	16.04
		03/09/94	10.54	--	--	16.44
		04/01/94	10.77	--	--	16.21
MW-6	24.32	12/27/93	11.24	--	--	13.08
		01/05/94	11.39	--	--	12.93
		02/8/94	11.15	--	--	13.17
		03/09/94	10.97	--	--	13.35
		04/01/94	11.25	--	--	13.07
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
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

Elevation in feet above mean sea level
DTW = Depth to water (in feet)
DTP = Depth to product (in feet)
PT = Product thickness (in feet)
NM = Not monitored
* = Sheen observed (<0.01 foot)
-- = Product not detected

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California
Results in micrograms per liter [µg/l] except where noted otherwise

Well ID	Date	B	T	E	X	TPH-G	TPH-M	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	--	--
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	--	[c]ND
MW-3	12/30/92	11	0.9	<0.3	2	910	--	20	[a]ND
	03/24/93	28	0.7	1	8	3,300	--	28	*[a]15
	06/21/93	21	5	2	19	**2,600	32,000	26	[cd]5
	09/16/93	--	--	--	--	--	--	--	--
	12/01/93	--	--	--	--	--	--	--	--
	03/09/94	[illegible]	1.4	4.5	13	[illegible]	[illegible]	***63	[a]ND
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	[illegible]	0.8	2	3.6	[illegible]	[illegible]	--	[a]ND
MW-5	12/30/92	<0.3	<0.3	<0.3	<0.5	37	--	<1	[bc]5
	03/24/93	<0.3	<0.3	<0.3	0.5	19	--	2	*[c]341
	06/21/93	<0.3	<0.3	<0.3	<0.5	<10	<100	--	[c]ND
	09/16/93	0.3	<0.3	<0.3	1	<10	<100	--	[c]ND
	12/01/93	<0.3	<0.3	<0.3	1	17	--	--	[c]ND
	12/30/93	--	--	--	--	--	<100	--	--
	03/09/94	<0.3	<0.3	<0.3	<0.5	22	<100	--	[c]ND
MW-6	12/27/93	<0.3	<0.3	<0.3	<0.5	<10	<100	<1	[a]70
	03/09/94	<0.3	<0.3	<0.3	<0.5	15	<100	--	[c]ND

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER SAMPLE ANALYTICAL RESULTS
Former Sears Automotive Center
2633 Telegraph Avenue, Oakland, California
Results in micrograms per liter [µg/l] except where noted otherwise

Well ID	Date	B	T	E	X	TPH-G	TPH-M	TPH (mg/l)	Dissolved Metals
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	[illegible]	<100	--	[c] ND
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	[illegible]	<100	--	[a] ND

BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes (EPA Methods 5030, 8020)
TPH-G	=	Total petroleum hydrocarbons-as-gasoline (EPA Methods 5030 and modified EPA Method 8015)
TPH-M	=	Total petroleum hydrocarbons-as-motor oil (modified EPA Method 8015)
TPH	=	Total petroleum hydrocarbons (EPA Method 418.1 [SM 5520 FC])
mg/l	=	Milligrams per liter
--	=	Not analyzed
ND	=	Nondetectable (detection limits for each compound are listed in laboratory reports, included in Appendix D)
*	=	Water samples were not filtered, analytical results represent total metals present, not dissolved concentrations.
**	=	Uncategorized hydrocarbon compound not included in this hydrocarbon concentration.
***	=	Total oil and grease by EPA Method 413.1
a	=	Dissolved lead
b	=	Dissolved lead only analyte detected
c	=	Dissolved lead, cadmium, total chromium, nickel, and zinc.
d	=	Cadmium only analyte detected.

ATTACHMENT 3

Well Purge Data

Project Name: SEARS/TELEGRAPH AVE. Date: 3/9/94

Job Number: 020204559.061002 ~~020503392.6104~~ Page 1 of 8

Site Address: 2533 Telegraph Ave., Oakland, Calif. Project Manager: Mike Wray

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Well ID MW-5

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = 2.4 gal
Well Volume = 7.2 gal

Purge Method	Pump Depth ✓ ft
____ Peristaltic	____ Hand Bailed
____ Gear Drive	____ Air Lift
____ Submersible	____ Other

Instruments Used	
____ YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____ HYDAC pH/ F/umbo	____ DRT-15C TURBID
____ OMEGA pH/ C	~~HORIBA~~ Other

TIME	TEMP C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1200	19.4	7.11	.786	2.4	CLOUDY H2O
1203	19.5	7.11	.738	4.8	CLOUDY H2O
1207	19.6	7.51	.732	7.2	BROWNISH, CLOUDY H2O
1209	19.5	7.43	.715	8.0	BROWNISH CLOUDY H2O

Project Name: SEARS/TELEGRAPH AVE. Date: 3/9/94

Job Number: 20455A.061002 (~~020508892.6104~~) Page 2 of 8

Site Address: 2533 Telegraph Ave., Oakland, Calif. Project Manager: Mike Wray

---

Well ID MW-1

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = -- 1.7 gal
3 Well Volume = 5.2 gal

Purge Method	Pump Depth ____ ft
____ Peristaltic	✓ Hand Bailed
____ Gear Drive	____ Air Lift
____ Submersible	____ Other

Instruments Used	
____ YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____ HYDAC pH/ F/umbo	____ DRT-15C TURBID
____ OMEGA pH/ C	Horiba Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1218	19.4	7.54	.737	1.5	REDDISH BROWN H2O
1221	19.2	7.82	.783 (.783)	3.0	" "
1223	19.2	7.45	.798	5.0	" "
1224	19.2	7.47	.784	6.0	REDDISH BROWN H2O

Project Name: SEARS/TELEGRAPH AVE.
Job Number: 020204554.061002 ~~020503392.6104~~
Site Address: 2533 Telegraph Ave., Oakland, Calif.

Date: 3/9/94
Page 3 of 8
Project Manager: Mike Wray

Well ID MW-6
Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = 1.8 gal
3 Well Volume = 5.4 gal

Purge Method	Pump Depth ____ ft
____ Peristaltic	✓ Hand Bailed
____ Gear Drive	____ Air Lift
____ Submersible	____ Other

Instruments Used	
____ YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____ HYDAC pH/ F/umbo	____ DRT-15C TURBID
____ OMEGA pH/ C	HORIBA Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1240	18.9	7.35	.610	1.5	REDDISH BROWN H2O
1242	19.0	7.38	.612	3.1	" "
12:44	19.0	7.36	.606	5.0	" "
1245	19.0	7.44	.604	6.0	REDDISH BROWN H2O

Project Name: SEARS/TELEGRAPH AVE.

Job Number: 020204559.061002 ~~020503302.6104~~

Site Address: 2533 Telegraph Ave., Oakland, Calif.

Date: 3/9/94

Page 4 of 8

Project Manager: Mike Wray

Well ID MW-7

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = 1.7 gal
3 Well Volume = 5.1 gal

Purge Method	Pump Depth	ft
____ Peristaltic	✓	Hand Bailed
____ Gear Drive	____	Air Lift
____ Submersible	____	Other

Instruments Used		
____ YSI 3650 pH/ C/mmbo	____	OMEGA Cond.
____ HYDAC pH/ F/umbo	____	DRT-15C TURBID
____ OMEGA pH/ C	HORIBA	Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1256	19.4	7.44	.584	1.5	Brownish, Cloudy H20
1258	19.6	7.32	.606	3.1	Brownish Cloudy H20
1300	19.8	7.34	.609	5.0	" "
1301	19.7	7.12	.613	6.0	Brownish Cloudy H20

Project Name: SEARS/TELEGRAPH AVE.

Job Number: 020204554.061002 ~~020503392.6104~~

Site Address: 2533 Telegraph Ave., Oakland, Calif.

Date: 3/9/94

Page 5 of 8

Project Manager: Mike Wray

Well ID MW-8

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = 1.6 gal
3 Well Volume = 4.8 gal

Purge Method	Pump Depth	
____ Peristaltic	✓	ft
____ Gear Drive	____	Hand Bailed
____ Submersible	____	Air Lift
	____	Other

Instruments Used		
____	YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____	HYDAC pH/ F/umbo	____ DRT-15C TURBID
____	OMEGA pH/ C	Horiba Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1314	20.1	7.14	.819	1.5	GREENISH, CLOUDY H2O, ODOR
1316	20.4	7.20	.819	3.0	" "
1318	20.4	6.89	.818	4.5	" "
1319	20.4	7.12	(.819) .819	5.5	" "

Project Name: SEARS/TELEGRAPH AVE. Date: 3/9/94

Job Number: 204554 061002 020503392.~~0104~~ Page 6 of 8

Site Address: 2533 Telegraph Ave., Oakland, Calif. Project Manager: Mike Wray

---

Well ID MW-2

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = 1.7 gal
3 Well Volume = 5.2 gal

Purge Method	Pump Depth ____ ft
____ Peristaltic	✓ ____ Hand Bailed
____ Gear Drive	____ Air Lift
____ Submersible	____ Other

Instruments Used	
____ YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____ HYDAC pH/ F/umbo	____ DRT-15C TURBID
____ OMEGA pH/ C	Hole Bk Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1330	19.0	6.88 ~~6.8~~	.708	1.5	Cloudy H2O SHEEN ON TOP
1333	19.3	7.00	.707	3.2	" "
1336	19.3	6.99	.695	5.0	" "
1338	19.4	6.84	.696	6.0	" "

Project Name: SEARS/TELEGRAPH AVE. Date: 3/9/94

Job Number: 020503392.6104 (204554 061002) Page 7 of 8

Site Address: 2533 Telegraph Ave., Oakland, Calif. Project Manager: Mike Wray

Well ID MW-4

Well Dia 2"

DTW Measurements
Initial = ft
Recharge ft

Calc Well Volume = 1.8 gal
3 Well Volume = 5.5 gal

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

Instruments Used	
YSI 3650 pH/ C/mmbo	OMEGA Cond.
HYDAC pH/ F/umbo	DRT-15C TURBID
OMEGA pH/ C	Horiba Other

TIME	TEMP ✓C F	pH	Conductivity (2 Mar)	PURGE VOLUME	COMMENTS
1347	19.8	6.90	.746	1.7	GRAYISH H2O, SHEEN ON TOP
1349	20.1	7.13	.746	3.4	" "
1352	20.2	6.98	.744	5.0	" "
1354	20.4	6.99	.733	6.0	" "

Project Name: SEARS/TELEGRAPH AVE. 204554, 061002

Job Number: 020503392 ~~.6104~~

Site Address: 2533 Telegraph Ave., Oakland, Calif.

Date: 3/9/94

Page 8 of 8

Project Manager: Mike Wray

Well ID MW-3

Well Dia 2"

DTW Measurements
Initial = ____ ft
Recharge ____ ft

Calc Well Volume = -- 1.9 gal
3 Well Volume = 5.9 gal

Purge Method	Pump Depth ✓ ft
____ Peristaltic	____ Hand Bailed
____ Gear Drive	____ Air Lift
____ Submersible	____ Other

Instruments Used	
____ YSI 3650 pH/ C/mmbo	____ OMEGA Cond.
____ HYDAC pH/ F/umbo	____ DRT-15C TURBID
____ OMEGA pH/ C	Horiba Other

TIME	TEMP ✓ C / F	pH	Conductivity	PURGE VOLUME	COMMENTS
1403	17.9	9.01	.914	1.8	GRAY H2O, SHEEN ON TOP, ODOR
1406	18.0	7.32	.915	3.6	" "
1408	18.0	7.11	.913	5.0	" "
1410	17.9	7.02	.911	6.0	" "

ATTACHMENT 4

Laboratory Reports
and
Chain-of-Custody Record

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020204554
Project ID: 2633 Telegraph, Oakland
Work Order Number: C4-03-0454

April 6, 1994

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

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 03/10/94, under chain of custody record 28321.

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.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

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

Sincerely,
GTEL Environmental Laboratories, Inc.

for

Rashmi Shah
Laboratory Director

ANALYTICAL RESULTS

Dissolved Metals in Water

GTEL Sample Number			01	02	03	04
Client Identification			MW-2	MW-4	MW-5	MW-6
Date Sampled			03/09/94	03/09/94	03/09/94	03/09/94
Date Prepared[c]			03/10/94	03/10/94	03/10/94	03/10/94
Date Analyzed (Method 6010)			03/23/94	03/23/94	03/23/94	03/23/94
Analyte	EPA Method[a]	Detection Limit, ug/L	Concentration, ug/L			
Cadmium	EPA 6010[b]	5	<5	<5	<5	<5
Chromium, total	EPA 6010[b]	10	<10	<10	<10	<10
Nickel	EPA 6010[b]	20	<20	<20	<20	<20
Zinc	EPA 6010[b]	20	<20	<20	<20	<20
Detection Limit Multiplier			1	1	1	1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.
b. Inductively Coupled Argon Plasma(ICP)
c. Unpreserved water sample passed through a 0.45 micron filter and analyzed as a dissolved metal. Sample was lab/field filtered on 03/10/94.

ANALYTICAL RESULTS

Dissolved Metals in Water

GTEL Sample Number			05	031094 MET		
Client Identification			MW-7	METHOD BLANK		
Date Sampled			03/09/94	--		
Date Prepared[c]			03/10/94	03/10/94		
Date Analyzed (Method 6010)			03/23/94	03/23/94		
Analyte	EPA Method[a]	Detection Limit, ug/L	Concentration, ug/L			
Cadmium	EPA 6010[b]	5	<5	<5		
Chromium, total	EPA 6010[b]	10	<10	<10		
Nickel	EPA 6010[b]	20	<20	<20		
Zinc	EPA 6010[b]	20	<20	<20		
Detection Limit Multiplier			1	1		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.
b. Inductively Coupled Argon Plasma(ICP)
c. Unpreserved water sample passed through a 0.45 micron filter and analyzed as a dissolved metal. Sample was lab/field filtered on 03/10/94.

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

28321

Company Name: GROUNDWATER TECHNOLOGY
Phone #: 510 671-2387
FAX #:
Company Address: 4057 PORTICA CA 60
Site location: 2633 TELEGRAPH, OAKLAND
Project Manager: E. WRAY
Client Project ID: (#) 02020455.06100
(NAME) SEARS TELEGRAPH
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): ANTHONY SMITH

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	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 ☐	TPH - MOTOR OIL (8015)	TOTAL OIL GREASE (5520 D&F)	DISSOLVED LEAD
B-LB	01		X						X			X			3/9/94		X																				
MW-1	02		X						X			X	X			1625	X																		X		
MW-2	~~03~~ 01		X						X			X	X			1545		X																		X	X	X
MW-3	04		X						X		X	X	X			1425		X																		X	X	X
MW-4	~~05~~ 02		X						X			X	X			1525		X																		X		X
MW-5	~~06~~ 03		X						X			X	X			1600		X																		X		X
MW-6	~~07~~ 04		X						X			X	X			1615		X																		X		X
MW-7	~~08~~ 05		X						X			X	X			1450		X																		X		X
MW-8	09		X						X			X	X			1510		X																		X		X
DMW-4	10		X						X			X			3/9/94	1525	X																				

TAT
- Priority (24 hr) ☐
- Expedited (48 hr) ☐
- Business Days ☐
- Other AS CONTRACTED
- Business Days ☐

Special Handling
- GTEL Contact
- Quote/Contract #
- Confirmation #
- PO #

QA / QC LEVEL
- LUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS
- FAX ☐

REMARKS: TPH - MOTOR OIL - UNPRESERVED, DISSOLVED LEAD SAMPLES ARE UNACIDIFIED, PLEASE FILTER & PRESERVE

Lab Use Only Lot # 2°C *C4030454 ADDITIONAL ANALYSIS CB 3/
Storage Location: A 1/2
Work Order # C4030201

CUSTODY RECORD

	Relinquished by Sampler:	Date	Time	Received by:
	A Smith	3/9/94		Clayton Congdon
	Relinquished by: Clayton Congdon	3/10/94	1300	Received by: Joan Weber
	Relinquished by: Joan Weber	3-10-94	13.15	Received by Laboratory: Maurice Balsbach

Waybill #

7/91

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080 Pike Lane
Suite C
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
FAX (510) 825-0720

Client Number: 020204554
Project ID: 2633 Telegraph, Oakland
Work Order Number: C4-03-0201

March 22, 1994

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

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 03/10/94, under chain of custody record 28321.

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.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

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

Sincerely,
GTEL Environmental Laboratories, Inc.

Rashmi Shah
Laboratory Director

ANALYTICAL RESULTS

Dissolved Lead in Water by Graphite Furnace AA

EPA Methods 7421[1]

GTEL Sample Number		03	04	05	06
Client Identification		MW-2	MW-3	MW-4	MW-5
Date Sampled		03/09/94	03/09/94	03/09/94	03/09/94
Date Prepared[2]		03/10/94	03/10/94	03/10/94	03/10/94
Date Analyzed		03/15/94	03/15/94	03/15/94	03/15/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Lead, Dissolved	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1

GTEL Sample Number		07	08	09	031094 MET
Client Identification		MW-6	MW-7	MW-8	METHOD BLANK
Date Sampled		03/09/94	03/09/94	03/09/94	--
Date Prepared[2]		03/10/94	03/10/94	03/10/94	03/10/94
Date Analyzed		03/15/94	03/15/94	03/15/94	03/15/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Lead, Dissolved	5	<5	<5	<5	<5
Detection Limit Multiplier		1	1	1	1

1. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, November 1986.
2. Unpreserved water sample was passed through a 0.45 micron filter and analyzed as a dissolved metal. Sample was lab filtered on 03/10/94.

GTEL ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL RESULTS

TPH as Motor Oil in Water

Method: Modified EPA 8015[a]

GTEL Sample Number		02[b]	03[b]	04[c]	05[c]
Client Identification		MW-1	MW-2	MW-3	MW-4
Date Sampled		03/09/94	03/09/94	03/09/94	03/09/94
Date Extracted		03/11/94	03/11/94	03/11/94	03/11/94
Date Analyzed		03/16/94	03/16/94	03/16/94	03/19/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
TPH as motor oil	100	<100	<100	5700	780
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		89.4	85.1	69.7	113

GTEL Sample Number		06	07	08[b]	09[b]
Client Identification		MW-5	MW-6	MW-7	MW-8
Date Sampled		03/09/94	03/09/94	03/09/94	03/09/94
Date Extracted		03/11/94	03/11/94	03/11/94	03/11/94
Date Analyzed		03/16/94	03/16/94	03/16/94	03/16/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
TPH as motor oil	100	<100	<100	<100	<100
Detection Limit Multiplier		1	1	1	1
OTP surrogate, % recovery		80.2	86.2	87.9	101

a. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986. Modification for TPH as diesel as per California State Water Resources Board LUFT Manual procedures. O-Terphenyl surrogate recovery acceptability limits are 50-150%.

b. Hydrocarbon pattern not characteristic of motor oil.

c. Uncategorized compounds present not indicative of motor oil.

ANALYTICAL RESULTS

TPH as Motor Oil in Water

Method: Modified EPA 8015[a]

GTEL Sample Number		GCI 031494			
Client Identification		METHOD BLANK			
Date Sampled		–			
Date Extracted		03/11/94			
Date Analyzed		03/14/94			
Analyte	Detection Limit, ug/L	Concentration, ug/L			
TPH as motor oil	100	<100			
Detection Limit Multiplier		1			
OTP surrogate, % recovery		90.6			

a. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986. Modification for TPH as diesel as per California State Water Resources Board LUFT Manual procedures. O-Terphenyl surrogate recovery acceptability limits are 50-150%.

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		01	02	03	04
Client Identification		TB - LB	MW-1	MW-2	MW-3
Date Sampled		03/09/94	03/09/94	03/09/94	03/09/94
Date Analyzed		03/14/94	03/14/94	03/15/94	03/17/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	<0.3	<0.3	2
Toluene	0.3	<0.3	<0.3	<0.3	1.4
Ethylbenzene	0.3	<0.3	1	<0.3	4.5
Xylene, total	0.5	<0.5	4.2	<0.5	13
TPH as Gasoline	10	NR	NR	47	2000
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		102	105	107	114

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%. NR = Not Requested.

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		05	06	07	08
Client Identification		MW-4	MW-5	MW-6	MW-7
Date Sampled		03/09/94	03/09/94	03/09/94	03/09/94
Date Analyzed		03/14/94	03/15/94	03/14/94	03/15/94
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	0.7	<0.3	<0.3	<0.3
Toluene	0.3	0.8	<0.3	<0.3	1.0
Ethylbenzene	0.3	2	<0.3	<0.3	1.5
Xylene, total	0.5	3.6	<0.5	<0.5	4.1
TPH as Gasoline	10	1500	22	15	620
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		104	88.3	105	103

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%.

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		09	10	E031494-1	
Client Identification		MW-8	DMW-4	METHOD BLANK	
Date Sampled		03/09/94	03/09/94	–	
Date Analyzed		03/15/94	03/14/94	03/14/94	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	0.6	0.6	<0.3	
Toluene	0.3	0.8	3.3	<0.3	
Ethylbenzene	0.3	0.5	1.5	<0.3	
Xylene, total	0.5	1.5	1.7	<0.5	
TPH as Gasoline	10	420	NR	<10	
Detection Limit Multiplier		1	1	1	
BFB surrogate, % recovery		108	104	99.5	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70-130%. NR = Not Requested.

ANALYTICAL RESULTS

Total Oil and Grease in Water by Gravimetric Analysis

EPA Method 413.1[a]

a. Methods for Chemical Analysis of Water and Wastes, Revised March 1983, U.S. Environmental Protection Agency.

GTEL Sample Number		04	031594 TPH		
Client Identification		MW-3	METHOD BLANK		
Date Sampled		03/09/94	--		
Date Prepared		03/15/94	03/15/94		
Date Analyzed		03/15/94	03/15/94		
Analyte	Detection Limit, mg/L	Concentration, mg/L			
Total Oil and Grease	5	63	<5		
Detection Limit Multiplier		1	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

28321

Company Name: GROUNDWATER TECHNOLOGY
Phone #: 510 671-2387
FAX #:
Company Address: 4057 PORTCHCAGO
Site location: 2633 TELEGRAPH, OAKLAND
Project Manager: E. WRAY
Client Project ID: (#) 020204554.06100
(NAME) SEARS TELEGRAPH
I attest that the proper field sampling procedures were used during the collection of these samples.
Sampler Name (Print): ANTHONY SMITH

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix: WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	OTHER (SPECIFY)	Sampling: DATE	TIME	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 ☐	TPH - MOTOR OIL (8015)	TOTAL OIL & GREASE (5520 D&F)	NSSOLVED LEAD
TB-LB	01		X						X			X			3/9/94		X																				
MW-1	02		X						X			X	X			1625	X																		X		X
MW-2	03		X						X			X	X			1545		X																		X	X	X
MW-3	04		X						X		X	X	X			1425		X																		X	X	X
MW-4	05		X						X			X	X			1525		X																		X	X	X
MW-5	06		X						X			X	X			1600		X																		X	X	X
MW-6	07		X						X			X	X			1615		X																		X	X	X
MW-7	08		X						X			X	X			1450		X																		X	X	X
MW-8	09		X						X			X	X			1510		X																		X	X	X
DMW-4	10		X						X			X			3/9/94	1525	X																				

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

Special Handling
GTEL Contact
Quote/Contract #
Confirmation #
PO #

QA / QC LEVEL
BLUE ☐ CLP ☐ OTHER

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS
FAX ☐

REMARKS: TPH - MOTOR OIL — UNPRESERVED; DISSOLVED LEAD SAMPLES ARE UNACIDIFIED, PLEASE FILTER & PRESERVE

Lab Use Only Lot # 2°C
Storage Location: A 1/2
Work Order # C4030201

CUSTODY RECORD

	Date	Time	
Relinquished by Sampler:	3/9/94		Received by:
Relinquished by:	3-10-94	13 00	Received by:
Relinquished by:	3-10-94	13.15	Received by Laboratory:

Waybill #

Rev. 7/91