

GROUNDWATER TECHNOLOGY, INC.

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PHASE II ASSESSMENT REPORT
SEARS ROEBUCK AND COMPANY
2633 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

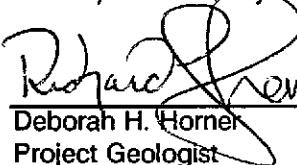
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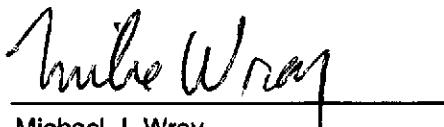
020503392

MARCH 24, 1993

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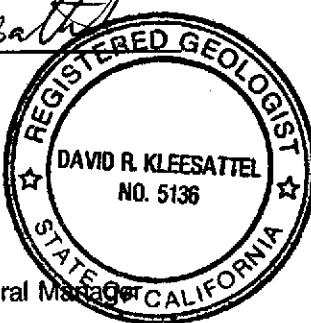

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OAKLAND, CALIFORNIA

MARCH 24, 1993

1.0 INTRODUCTION

This report describes the Phase II Assessment of subsurface conditions at the Sears Automotive Center located at 2633 Telegraph Avenue in Oakland, California (Figure 1). The report includes a summary of general site conditions, a description of the work steps and methods used, and the results of the investigation. The investigation was conducted according to the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated August 10, 1990, and the State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Field Manual.

1.1 Objectives and Scope of Work

The purpose of this investigation was to evaluate the extent of petroleum hydrocarbons in the soil and groundwater around the former underground storage tanks (USTs). Groundwater Technology, Inc. performed the following work steps as part of The Phase II Assessment.

- Prepared Work Plan and submitted to Alameda County Department of Environmental Health;
- Obtained permits from Alameda County Flood Control and Water Conservation District, Zone 7 to install five wells;
- Installed and developed five groundwater monitoring wells;
- Analyzed selected soil samples for benzene, toluene, ethylbenzene, and xylenes (BTEX); total petroleum hydrocarbons-as-gasoline (TPH-G); total petroleum hydrocarbons-as-diesel fuel (TPH-D); total petroleum hydrocarbons (TPH);

halocarbons; total lead and other metals; and semi-volatile organic compounds (SVOCs).

- Professionally surveyed wellhead elevations.
- Monitored and sampled the five wells.
- Analyzed selected groundwater samples for BTEX, TPH-G, TPH-D, TPH, halocarbons, total lead and other metals, and SVOCs.
- Prepared this report.

1.2 Site Background and History

Nine USTs, used for storing motor oil, gasoline, and waste oil, were located on site. Five of the nine tanks were 1,000-gallon steel motor-oil tanks; one was a 2,000-gallon steel motor-oil tank; one was a 1,000-gallon steel waste-oil tank; and two were 10,000-gallon steel gasoline tanks. All nine of the USTs were installed in the 1960s and have subsequently been removed. The date of the gasoline tank removal could not be ascertained. The motor-oil and waste-oil tanks were removed in 1990 as described below.

In 1990, Sears retained American Environmental Management Corporation (AEMC) to remove the motor-oil and waste-oil USTs. Documentation of the tank removal activities are provided in AEMC's letter report dated October 12, 1990. Total oil and grease (TOG) and TPH-D in soil samples collected from the motor-oil tank pit have been reported by AEMC. In the area of the former waste-oil tank, TPH-G, TPH-D, and BTEX compounds were detected. An Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report was filed in December 1990.

In February 1991, AEMC conducted an electronic cone penetrometer survey in conjunction with soil and groundwater sampling. This work was initiated to evaluate the general soil lithology of the area and to conduct an initial screening for possible contamination. Detectable concentrations of TPH-G, BTEX, and TOG were present in soil and groundwater samples collected near the former gasoline and waste-oil tanks. The analytical data collected are summarized in AEMC's Phase I Site Contamination Investigation Report and Phase II Investigation Work Plan, dated August 1991.

In August 1992, Sears retained Groundwater Technology to conduct an additional subsurface investigation at the site in response to a request from Alameda County Department of Environmental Health.

2.0 SITE DESCRIPTION

The Sears Automotive Center is located at 2633 Telegraph Avenue in Oakland, California. The surrounding area is predominately commercial along Telegraph Avenue with residential properties away from Telegraph. The site location is illustrated in Figure 1.

2.1 Regional Hydrogeology

The site is located within the East Bay Plain groundwater basin, which covers approximately 114 square miles of flat alluviated lowlands and bay and tidal marshes in Western Alameda County. This groundwater basin consists of younger alluvium (Holocene), older alluvium, and the Merritt Sand (Pleistocene). Groundwater occurs in both confined and unconfined conditions. Most of this groundwater is used for irrigation and industrial purposes. The public water supply is primarily imported water from the Sierra Nevada Mountains.

The site is located in an area that has been mapped as older alluvium, which is the major groundwater reservoir in the East Bay Plain. The older alluvium consists of layers of poorly consolidated to unconsolidated clay, silt, sand, and gravel. The older alluvium is generally permeable with variable water-yielding ability (Flertzheim and Bitten, 1988).

2.2 Physiographic Features

Alameda County lies within the Coast Ranges Geomorphic Province of California, which is characterized by northwest-southeast trending mountains and valleys. The East Bay Plain lies on the east side of the San Francisco Bay depression, which is an irregular downwarp complicated by faulting and modified by erosion and deposition (Flertzheim and Bitten, 1988).

The site is located approximately 0.5-mile northwest of Lake Merritt and 1.6 miles north of the Oakland Inner Harbor, which feeds into San Francisco Bay (Figure 1). The local elevation is

between 20 and 30 feet above mean sea level (MSL). The surface gradient is approximately 60 feet per mile (ft/mile) toward the southwest. Figure 1 presents a portion of the topographic map of the area (United States Geological Survey Oakland West, 7.5 minute Quadrangle).

3.0 METHODS AND PROCEDURES

A Work Plan was prepared by Groundwater Technology and submitted to Alameda County Health Care Services (ACHCS) on August 28, 1992. The methods and procedures described below are based on the Work Plan and changes to that plan enumerated in the ACHCS correspondence to Sears, dated October 7, 1992.

3.1 Soil Borings

On December 7 and 8, 1992, Groundwater Technology drilled five soil borings using hollow-stem auger drilling techniques. The soil borings were then converted to monitoring wells. The total depth of the borings was from 22 to 25 feet below grade. The borings were logged by a Groundwater Technology geologist using the Unified Soil Classification System. Drilling logs are included in Appendix A. Soil samples were field screened using a photo-ionization detector (PID). Soil samples from the unsaturated zone were collected for laboratory analyses based on the highest PID readings.

Soil boring locations were selected to evaluate the horizontal and vertical extent of residual, hydrocarbon-impacted soil around the former underground tanks (Figure 2). The location of well MW-1 is downgradient and within 10 feet of the former motor-oil tank pit; well MW-2 is down-gradient of and within 10 feet of the former waste-oil tank; well MW-3 is located south of the former tank pits near the corner of the building where impacted soil and groundwater were previously detected; well MW-4 is located downgradient of the former gasoline tanks; and well MW-5 is located upgradient of the former gasoline and waste-oil tanks.

3.2 Soil Sampling

Samples from the soil borings were placed in brass tubes and sealed with aluminum foil, plastic caps, and duct tape. The samples were labeled and placed on ice for transport under chain-of-custody protocol to a California-certified laboratory for the analyses described below:

- Soil samples from well MW-1 were analyzed for TPH-D using modified EPA Methods 3550/8015; for TPH using modified EPA Method 3550/EPA Method 418.1 (Standard Method [SM] 5520 FC); and for BTEX using EPA Method 8020.
- Soil samples from wells MW-2, MW-3, and MW-4 were analyzed for TPH-D using modified EPA Methods 3550/8015; for TPH using modified EPA Method 3550/EPA Method 418.1 (SM 5520 FC); TPH-G and BTEX using EPA Methods 5030/8020/modified EPA Method 8015; for volatile organic compounds (VOCs) using EPA Method 8010; for SVOCs using EPA Method 8270; and for total lead using EPA Method 7421.
- Soil samples from well MW-5 were analyzed for TPH-D using modified EPA Methods 3550/8015; for TPH using modified EPA Method 3550/EPA Method 418.1 (SM 5520 FC); for TPH-G and BTEX using EPA Methods 5030/8020/modified EPA Method 8015; for VOCs using EPA Method 8010; for SVOCs using EPA Method 8270; for total lead using EPA Method 7421; and for cadmium, chromium, nickel, and zinc using EPA Method 6010.

Copies of the laboratory analytical results and chain-of-custody records are included in Appendix B. Soil cuttings were stored on site in 55-gallon drums pending analytical results to select a proper disposal method.

3.3 Monitoring Well Installation

Five groundwater monitoring wells (MW-1 through MW-5) were installed in the soil borings drilled on December 7 and 8, 1992. The wells were completed with 15 feet of 2-inch-diameter 0.020-inch slotted polyvinyl chloride (PVC) screen. The wells were finished to the surface with 2-inch-diameter PVC casing. The annular space between the borehole and casing was backfilled with No. 3 Lonestar Sand from the well completion depth to 1.5 to 2 feet above the well screen. A sanitary seal of 1 to 2 feet of bentonite was installed, followed by cement grout to the surface. The wells were finished with a water-tight locking cap inside a traffic-rated street box. Well completion details are included with the drilling logs in Appendix A.

3.4 Well Development and Wellhead Surveying

The five monitoring wells were developed on December 15, 1992, to improve hydraulic communication with the surrounding aquifer. Suspended sediment was removed from the wells using a surge and bail technique. Approximately 8 to 13 well volumes of groundwater were

March 24, 1993

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removed from the wells. The development water was placed in 55-gallon drums, labeled, and stored on site pending laboratory analyses to select a proper disposal method.

The wellhead and surface elevations were surveyed on December 15, 1992, by Fremont Engineers. The elevations were referenced to a City of Oakland benchmark at Telegraph Avenue and 26th Street, which is referenced to MSL.

3.5 Groundwater Monitoring and Sampling

On December 30, 1992, before purging and sampling, the depth to groundwater was measured in the five monitoring wells using an INTERFACE PROBE™ Well Monitoring System, which can detect both water and separate-phase product levels. Groundwater monitoring data are presented in Table 1.

Before sampling, the wells were purged of approximately 4 well volumes. The temperature, conductivity, and pH of the purge water were measured during purging. Well purge data are included in Appendix C. The wells were allowed to recharge to a least 80 percent of their initial water level before sampling.

Groundwater samples were collected using a Teflon® bailer and placed in appropriate containers. One trip blank and one duplicate (MW-3) were collected as part of the Quality Assurance/Quality Control program. 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:

- Groundwater samples from well MW-1 were analyzed for TPH-D using modified EPA Methods 3510/8015; for TPH using modified EPA Method 418.1 (SM 5520 FC); and for BTEX using EPA Methods 5030/8020.
- Groundwater samples from wells MW-2, MW-3, and MW-4 were analyzed for TPH-D using modified EPA Methods 3510/8015; for TPH using EPA Method 418.1 (SM 5520 FC); for TPH-G and BTEX using EPA Methods 5030/8020/modified EPA Method 8015; for VOCs using EPA Method 601; for SVOCs using EPA Method 8270; and for total lead using EPA Methods 239.2/7421/3020.

- Groundwater samples from well MW-5 were analyzed for TPH-D using modified EPA Methods 3550/8015; for TPH using modified EPA Method 3550/EPA Method 418.1 (SM 5520 FC); for TPH-G and BTEX using EPA Methods 5030/8020/modified EPA Method 8015; for VOCs using EPA Method 601; for SVOCs using EPA Method 8270; for total lead, cadmium, chromium, nickel, and zinc using EPA Method 6010.

The samples analyzed for metals were filtered by the laboratory. Copies of the laboratory analytical results and chain-of-custody records are included in Appendix D.

4.0 RESULTS

Based on field data and laboratory analytical results, an evaluation of the hydrocarbon distribution in soil and groundwater is presented below.

4.1 Laboratory Analyses

4.1.1 Soil Analytical Results

Aromatic Volatile Organic Compounds. No detectable concentrations of benzene and toluene were present in the soil samples. Ethylbenzene was detected at 0.035 mg/kg in the sample from the boring for MW-2 at 11 feet. No detectable concentrations of ethylbenzene were present in the other soil samples. Detectable concentrations of xylenes, ranging from 0.027 to 0.87 mg/kg, were present in soil samples from the borings for wells MW-2, MW-3, and MW-4 at 10.5 to 15.5 feet. No detectable concentrations of xylenes were present in the soil samples from boreholes for wells MW-1 and MW-5. Table 2 summarizes the analytical results of soil samples including the results of aromatic VOC analyses.

Total Petroleum Hydrocarbons. No detectable concentrations of TPH-D were present in the soil samples tested. Concentrations of TPH-G were detected in soil samples collected from boreholes for wells MW-2, MW-3, and MW-4 ranging from 5 to 46 mg/kg. No detectable concentrations of TPH-G were present in soil samples collected from boreholes for wells MW-1 and MW-5.

The highest concentrations of TPH were detected by Infrared Spectrometry (EPA Method 3550/418.1). Concentrations of TPH ranged from nondetectable to 3,400 mg/kg. The highest

concentrations were from soil samples just above the water table, in the capillary fringe (10.5 to 12 feet below grade). Table 2 includes the results of analyses for TPH-G, TPH-D, and TPH.

Volatile Organic Compounds. No detectable concentrations of VOCs were reported in the soil samples tested.

Semi-Volatile Organic Compounds. Soil samples collected from boreholes for wells MW-2, MW-3, MW-4, and MW-5 were analyzed for SVOCs. No detectable concentrations of SVOCs were present in the samples from borehole for well MW-5. Concentrations of the following compounds were detected: 2-methylnaphthalene (1,500 to 4,500 µg/kg); phenanthrene (470 µg/kg); pyrene (580 to 730 µg/kg); di-n-butylphthalate (1,300 to 4,800 µg/kg); bis (2-ethylhexyl) phthalate (1,900 to 2,200 µg/kg); and naphthalene (980 µg/kg). The phthalates are not typical components of petroleum hydrocarbon compounds and may be from laboratory contamination. The remaining compounds are typically present in gasoline and motor oil. The results of analyses for SVOCs are summarized in Table 3.

In general, the SVOCs detected in the soil have low solubilities compared with the aromatic volatile compounds (Table 4). Therefore, SVOCs are typically less likely to dissolve and be transported by the groundwater flow. Table 4 presents a solubility comparison of compounds detected in soil.

Metals. Soil samples from boreholes MW-2, MW-3, MW-4, and MW-5 were analyzed for lead. Concentrations of lead were detected in all four borings, ranging from 3.7 to 12 mg/kg. Soil samples from borehole MW-5 were also analyzed for other metals. Cadmium, chromium, nickel, and zinc were detected in concentrations of up to 6.4 mg/kg, 36 mg/kg, 46 mg/kg, and 56 mg/kg, respectively.

4.1.2 Groundwater Analytical Results

Aromatic Volatile Organic Compounds. Concentrations of aromatic VOCs were detected in samples from wells MW-1 through MW-4 as follows: benzene from 0.7 to 11 µg/l; toluene from nondetectable to 1 µg/l; ethylbenzene from nondetectable to 2 µg/l; and xylenes from nondetectable to 3 µg/l. No detectable concentrations of BTEX were present in the groundwater sample for MW-5. The results of analyses for BTEX are summarized in Table 5.

Total Petroleum Hydrocarbons. Concentrations of TPH-G ranging from 37 to 1,200 µg/l were detected in wells MW-2 through MW-5. No detectable concentrations of TPH-D were present in the groundwater samples tested. The analytical results of groundwater samples from wells MW-1, MW-2, and MW-3 reported TPH-IR concentrations of 1 mg/l, 1 mg/l, and 20 mg/l, respectively. The results of analyses for TPH, TPH-G, and TPH-D are summarized in Table 5.

Volatile Organic Compounds. Groundwater samples from wells MW-2 through MW-5 were analyzed for VOCs and no detectable concentrations were present. The results of analyses for VOCs are summarized in Table 5.

Semi-Volatile Organic Compounds. The analytical results of the groundwater sample from well MW-3 reported 14 µg/l 2-methylnaphthalene. No detectable concentrations of SVOCs were present in the groundwater samples from wells MW-2, MW-4, and MW-5. The groundwater sample from well MW-1 was not analyzed for SVOCs. The results of analyses for SVOCs are summarized in Table 5.

Metals. Lead was not detected in the groundwater samples from wells MW-2, MW-3, and MW-4. The sample from well MW-1 was not analyzed for lead. The analytical results of the groundwater sample from upgradient well MW-5 reported 5 µg/l lead and no detectable concentrations of cadmium, chromium, nickel, or zinc. The total lead analyses results are summarized in Table 5.

4.2 Local Hydrogeology

The subsurface materials encountered during drilling (Appendix A) consist primarily of silt and clay above the water table; and silty and sandy clay, gravelly silt, sand, and gravel below the water table. A geologic cross section across the site is presented as Figure 3. The cross section location map is included as Figure 4.

Groundwater levels were measured in the five wells on December 30, 1992, and the data were used to construct a potentiometric surface map across the site (Figure 5). No separate-phase hydrocarbons were detected in the wells, but a sheen was observed on the water in wells MW-2 and MW-3. The local groundwater gradient is approximately 0.02 foot per foot (ft/ft) to the south-southwest.

4.3 Extent of Hydrocarbon-Impacted Soil and Groundwater

Analytical results of soil samples collected from boreholes for wells MW-1 through MW-5 indicate that residual petroleum hydrocarbons are present in the soil. The highest hydrocarbon concentrations were reported in soil samples from boreholes for wells MW-2, MW-3, and MW-4 between 10 and 12 feet below grade, just above the water table. Figure 6 illustrates the distribution of hydrocarbons in soil. Figure 7 illustrates the distribution of SVOCs in the soil. The detected SVOCs are all typically associated with detectable concentrations of petroleum hydrocarbon compounds.

Detectable concentrations of TPH were reported in groundwater samples collected from wells MW-1 through MW-5. Figures 8 and 9 illustrate the distribution of benzene and TPH dissolved in the groundwater. The highest concentrations of TPH were detected in well MW-3, the furthest downgradient well. No separate-phase hydrocarbons were observed in the wells.

Concentrations of BTEX and TPH-G were detected in the soil samples collected from just above the water table in the three wells downgradient and the one borehole upgradient of the former gasoline and waste-oil tanks.

Concentrations of BTEX and TPH-G were detected in the groundwater samples from wells MW-2 through MW-5. The highest concentrations of TPH-G were detected in well MW-4. Relative to TPH-G, the BTEX concentrations were generally low, suggesting that the gasoline is degraded. Figure 10 illustrates the distribution of TPH-G in the groundwater.

Benzene concentrations were at or above the established maximum contaminant levels (MCLs) in the groundwater samples from wells MW-1, MW-3, and MW-4. The other detected compounds were below established MCLs. Table 4 summarizes MCLs for selected compounds detected in the soil and groundwater samples.

5.0 SUMMARY

The objective of this investigation was to evaluate the extent of hydrocarbons in the soil and groundwater at this site. A Work Plan for drilling five soil borings, installing five monitoring wells,

surveying the wells, and collecting and analyzing soil and groundwater samples, was prepared and submitted to the Alameda County Department of Environmental Health on August 28, 1992.

The field work was conducted between December 7 and 30, 1992. The soil borings were drilled and monitoring wells were installed on December 7 and 8, 1992, and the wells were developed and surveyed on December 15, 1992, and sampled on December 30, 1992.

Laboratory analysis reported residual petroleum hydrocarbons present in the samples from soil just above the water table and from groundwater beneath the site. The highest concentrations were detected in the samples from soil and groundwater downgradient of the former waste-oil and gasoline tanks. Separate-phase hydrocarbons were not detected in the monitoring well samples, but a sheen was observed on the water in two of the five wells.

The groundwater gradient was measured at approximately 0.02 ft/ft to the south-southwest on December 30, 1992. Based on the evaluation of the data collected during this and previous investigations, it appears that hydrocarbons in soil are predominately in the capillary fringe and shallow groundwater downgradient of the former gasoline and waste-oil tanks.

6.0 RECOMMENDATIONS

This assessment has evaluated the distribution of residual hydrocarbons in the soil and shallow groundwater. The highest dissolved petroleum hydrocarbon concentrations were detected in the groundwater samples collected from wells downgradient of the former gasoline and waste-oil tanks (MW-3 and MW-4). Groundwater Technology recommends additional assessment to further evaluate the horizontal distribution of hydrocarbons in the groundwater. The additional assessment would include the following activities:

- Collect additional soil and grab-groundwater samples. At least three sampling points would be located downgradient of the former tank pits along the southern edge of the subject property. The purpose of the additional sampling would be to evaluate the horizontal extent of petroleum hydrocarbons in the soil and groundwater and to select locations for one to two additional monitoring wells.
- Install one to two additional monitoring wells, downgradient of well MW-3.
- Develop and implement a groundwater monitoring program.

- Prepare and submit a report to ACHCS describing the findings of the further assessment.

7.0 REFERENCES

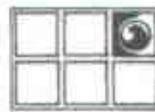
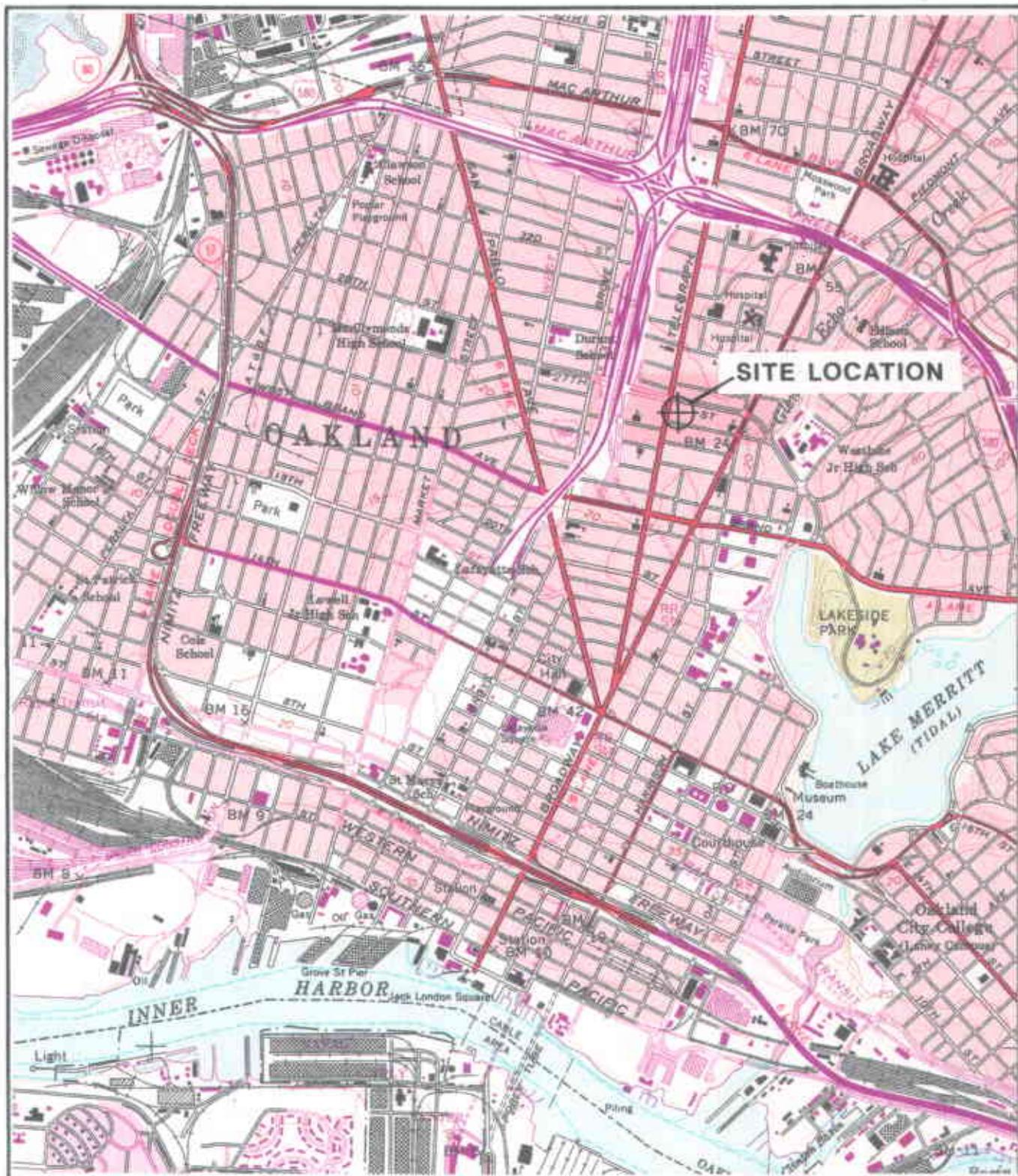
Flertzheim, H.A., Jr. and Bitten, R.C., Geohydrology and Groundwater-Quality Overview of the East Bay Plain Area, Alameda County, California, Alameda County Flood Control and Water Conservation District, Report 205(J), 1988.

Montgomery, J.H. and Welkom, L.M., Groundwater Chemicals Desk Reference, 1990.

U. S. Geological Survey, Oakland West 7.5 Quadrangle Map, 1980 (photo revised).

FIGURES

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- FIGURE 2 SITE PLAN
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- FIGURE 10 CONCENTRATIONS OF TPH-AS-GASOLINE IN GROUNDWATER



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TECHNOLOGY**

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SCALE:

0 FEET 2000



SITE LOCATION MAP

CLIENT:

SEARS, ROEBUCK AND CO.
SITE No. 1058

DATE:

8/18/92

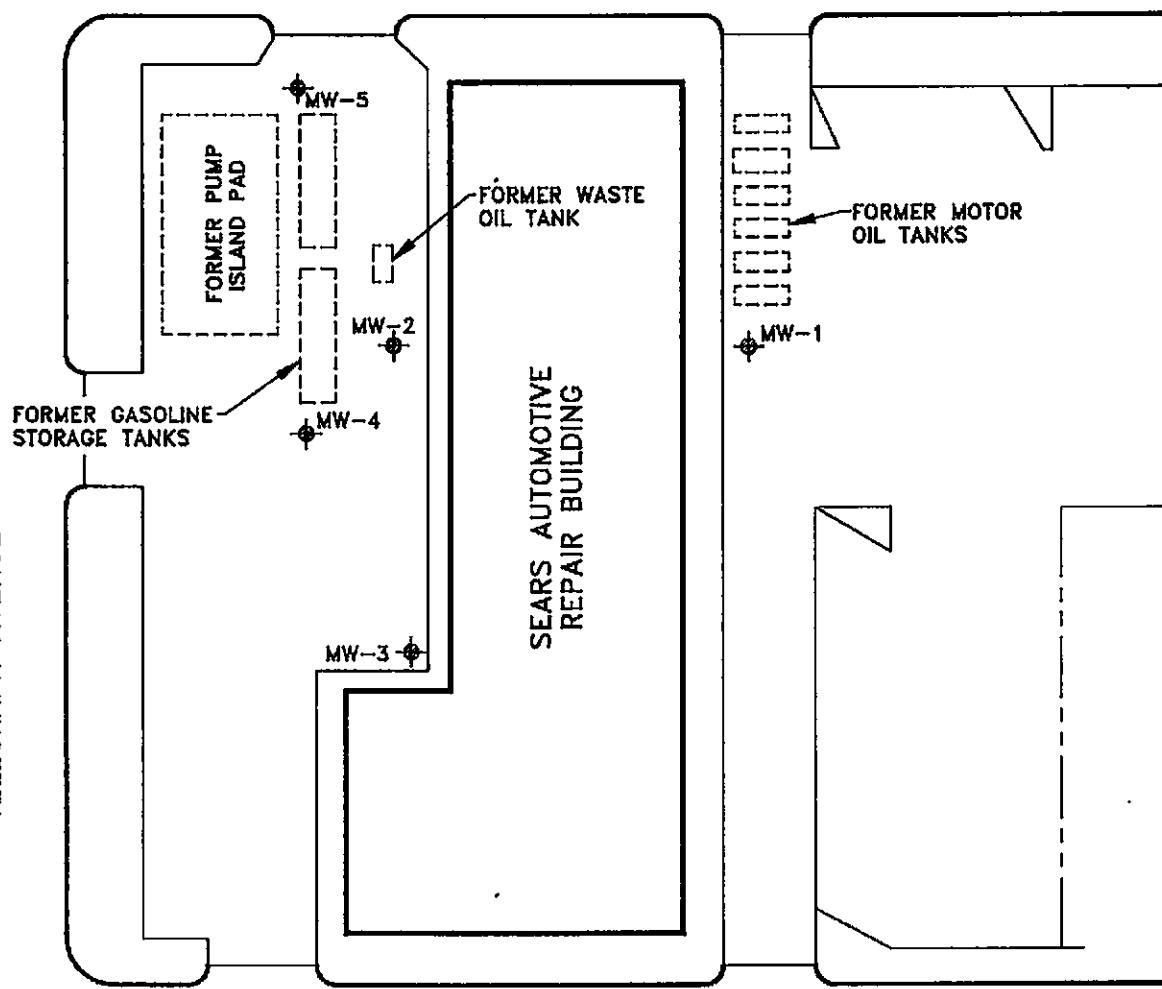
LOCATION:

2633 TELEGRAPH AVE.
OAKLAND, CALIFORNIA

FIGURE:

1

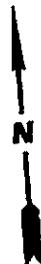
27th STREET



26th STREET

LEGEND

● MONITORING WELL



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SCALE

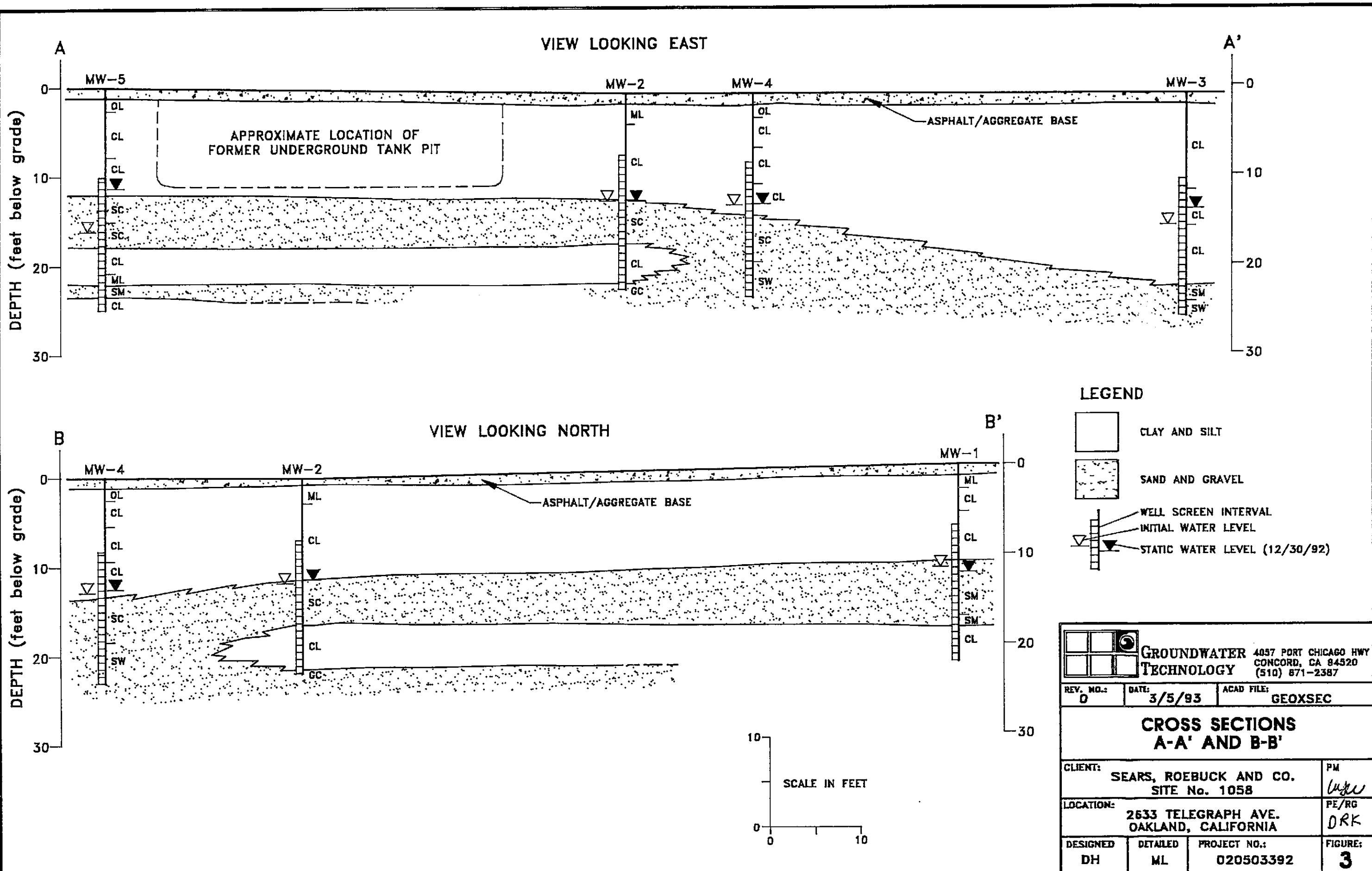


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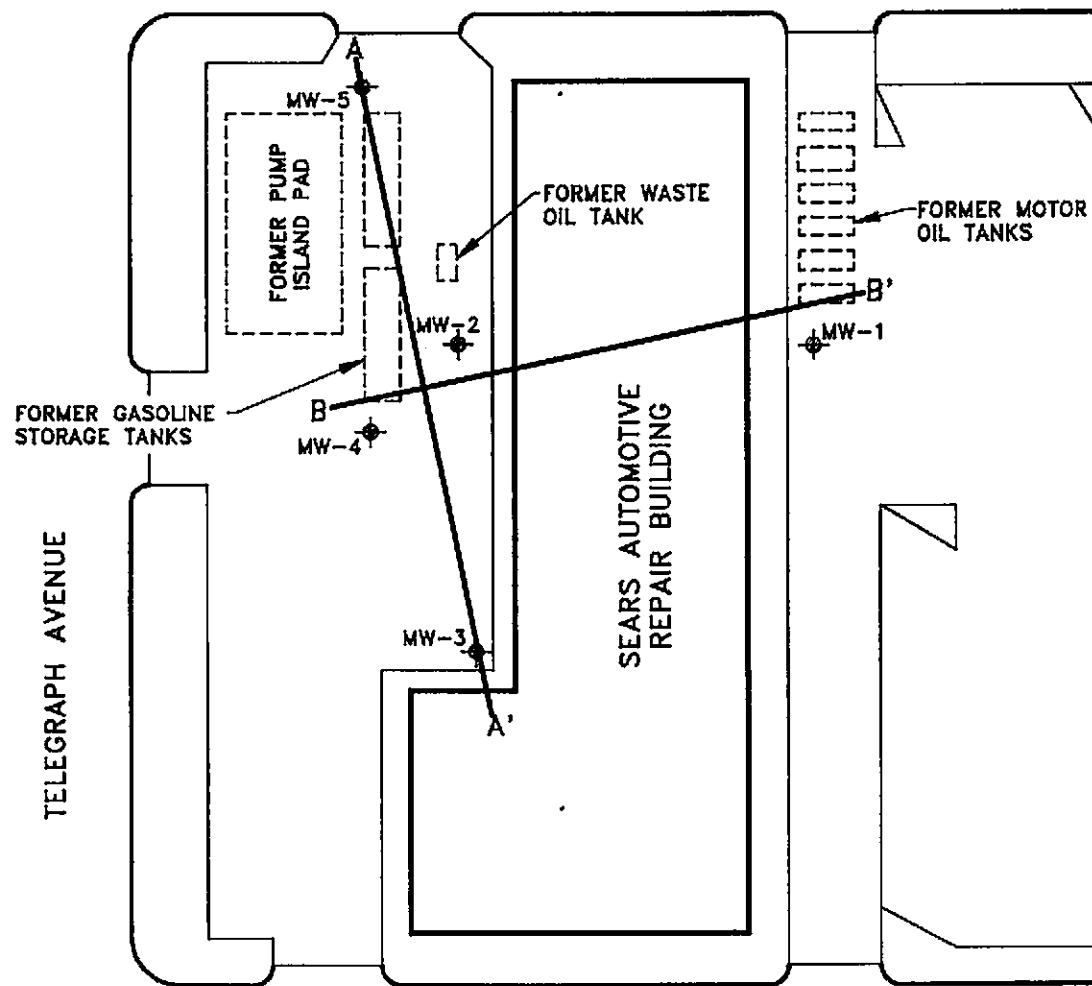
4057 PORT CHICAGO HWY.
CONCORD, CA 94520
(510) 671-2387

SITE PLAN

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	LOCATION: 2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	REV. NO.: 0	DATE: 3/4/93
PM <i>MJM</i>	PE/RG <i>DRK</i>	DESIGNED DH	DETAILED ML
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27th STREET

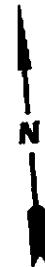


26th STREET

LEGEND

◆ MONITORING WELL

0 FEET 40
SCALE

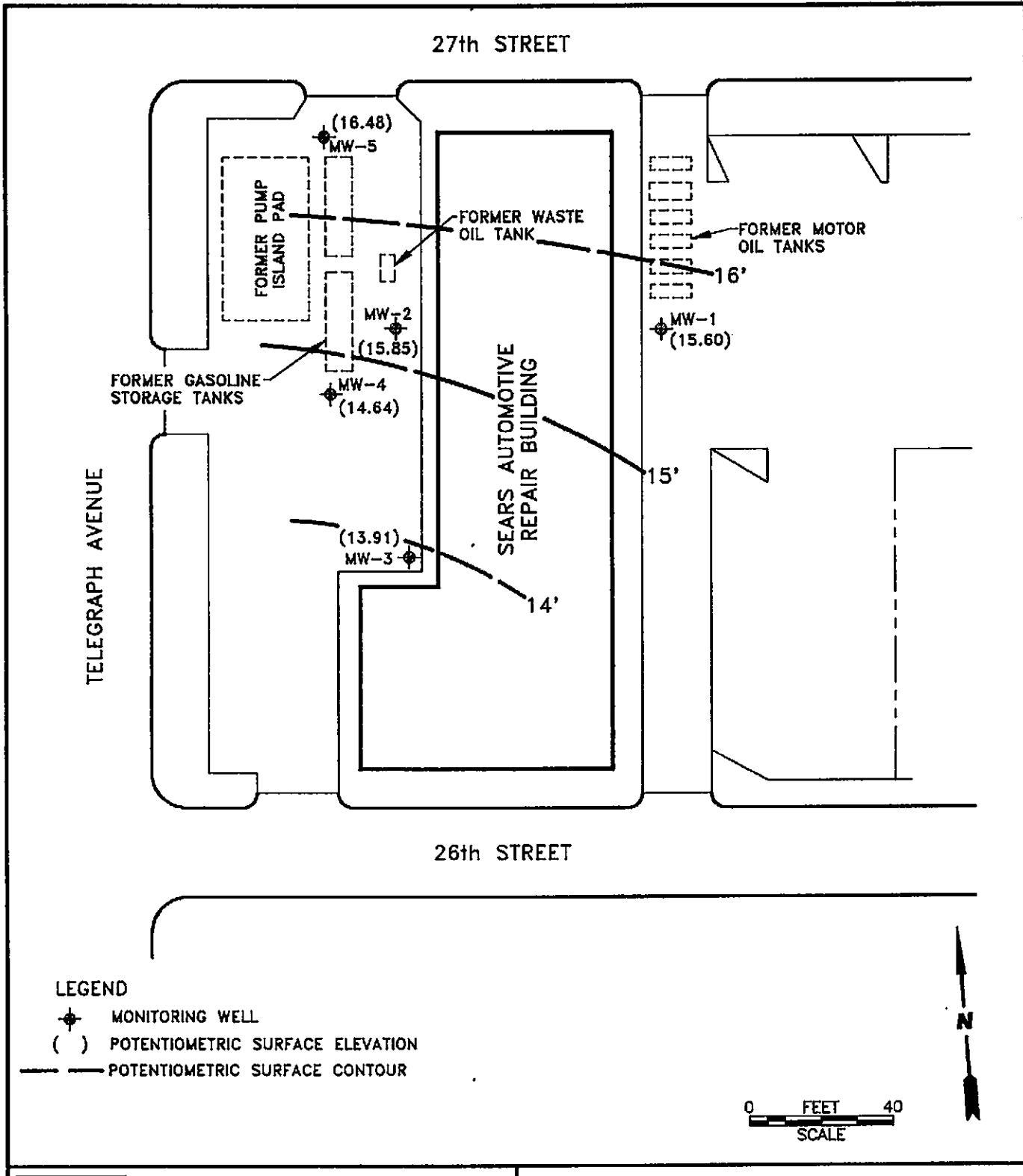


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CROSS SECTION LOCATION MAP

CLIENT:	LOCATION:	REV. NO.:	DATE:
SEARS, ROEBUCK AND CO. SITE No. 1058	2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	0	3/5/93
PM <i>[Signature]</i>	PE/RG DRK	DETAILED DH	ACAD FILE: CSECLOC/SP193
PROJECT NO.:	020503392	FIGURE:	4



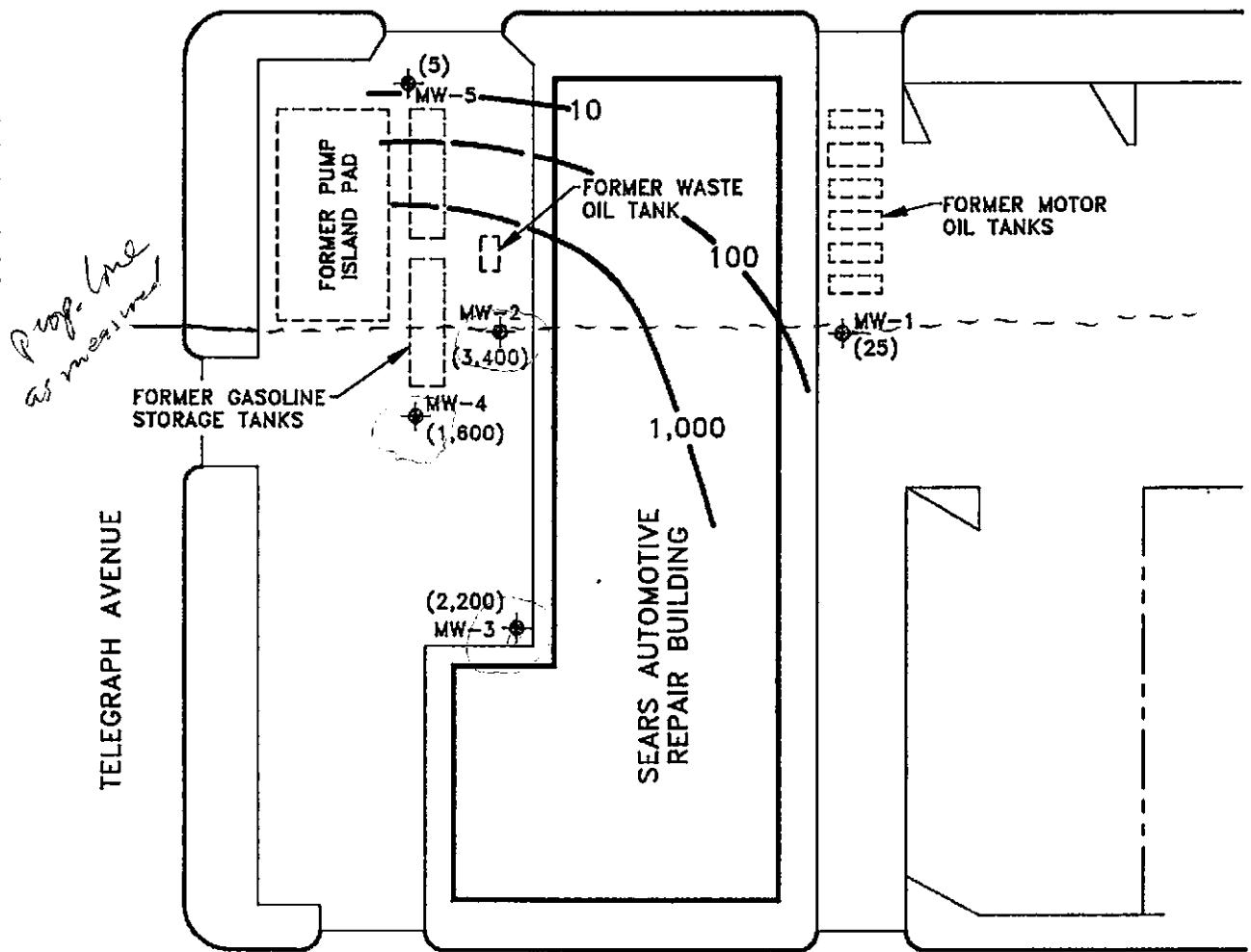
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CONCORD, CA 94520
(510) 671-2387

POTENTIOMETRIC SURFACE MAP (12/30/92)

CLIENT:				LOCATION:	REV. NO.:	DATE:
SEARS, ROEBUCK AND CO. SITE No. 1058				2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	0	3/4/93
PM <i>Mf</i>	PE/RG DRK	DESIGNED DH	DETAILED ML	ACAD FILE: PSMD3092/SP193	PROJECT NO.: 020503392	FIGURE: 5

27th STREET



26th STREET

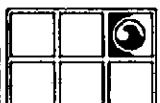
LEGEND

◆ MONITORING WELL

() TPH CONCENTRATIONS (mg/kg),
EPA 3550 (mod.)/EPA 418.1 (SM5520FC)
(10 - 12 FEET BELOW GRADE)

— TPH CONCENTRATION CONTOUR

0 FEET 40
SCALE



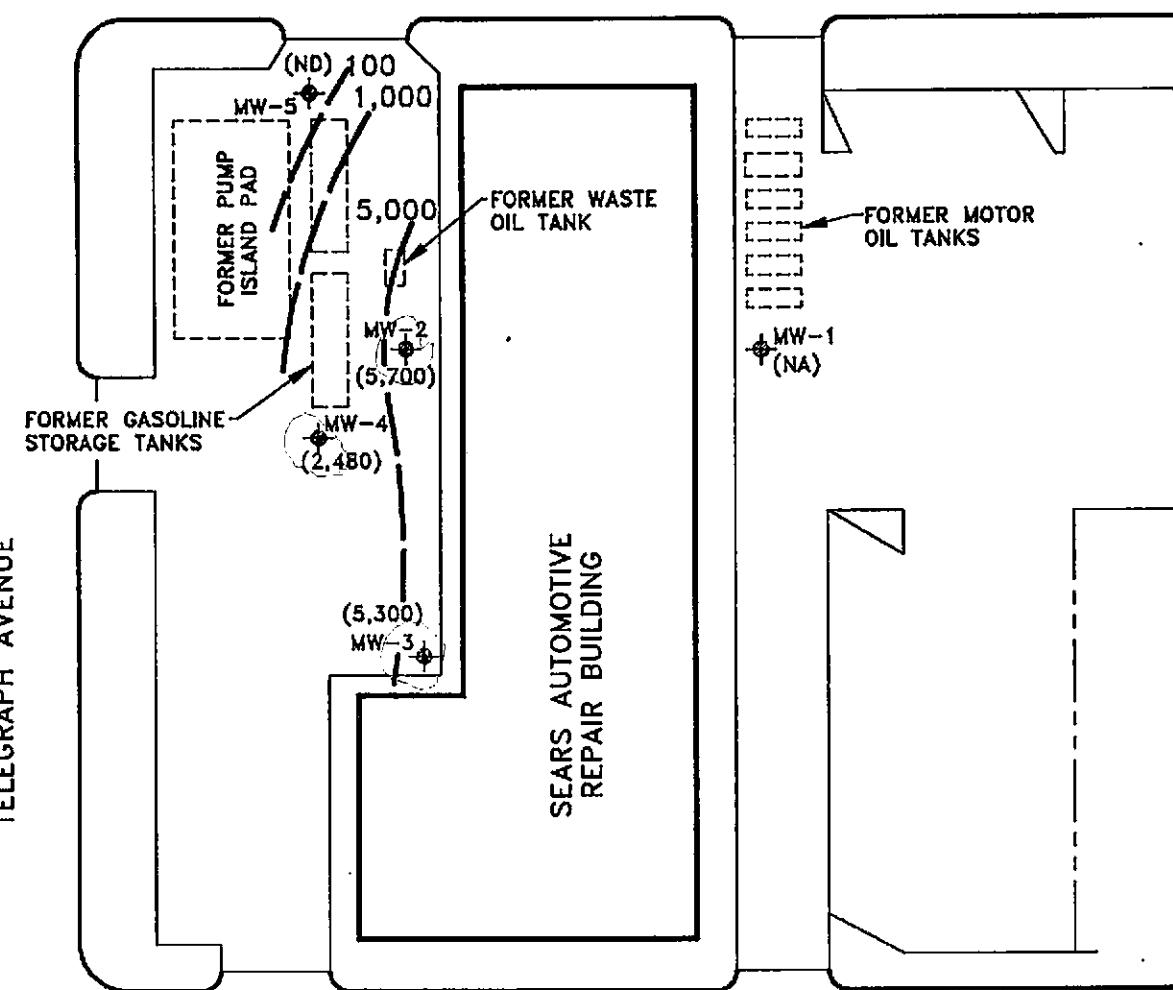
GROUNDWATER
TECHNOLOGY

4057 PORT CHICAGO HWY.
CONCORD, CA 94520
(510) 671-2387

CONCENTRATIONS OF TOTAL
PETROLEUM HYDROCARBONS
IN SOIL (12/92)

CLIENT:				LOCATION:	REV. NO.:	DATE:
PM	PE/RG	DESIGNED	DETAILED	ACAD FILE:	0	3/4/93
mfw	DRK	DH	ML	TPHSOIL/SP193	020503392	6

27th STREET



LEGEND

◆ MONITORING WELL
() TOTAL SEMI-VOLATILE ORGANICS CONCENTRATIONS ($\mu\text{g}/\text{kg}$)
(10 - 11 FEET BELOW GRADE)

— SEMI-VOLATILE ORGANICS CONCENTRATION CONTOUR

(NA) NOT ANALYZED
(ND) NOT DETECTED

0 FEET 40
SCALE

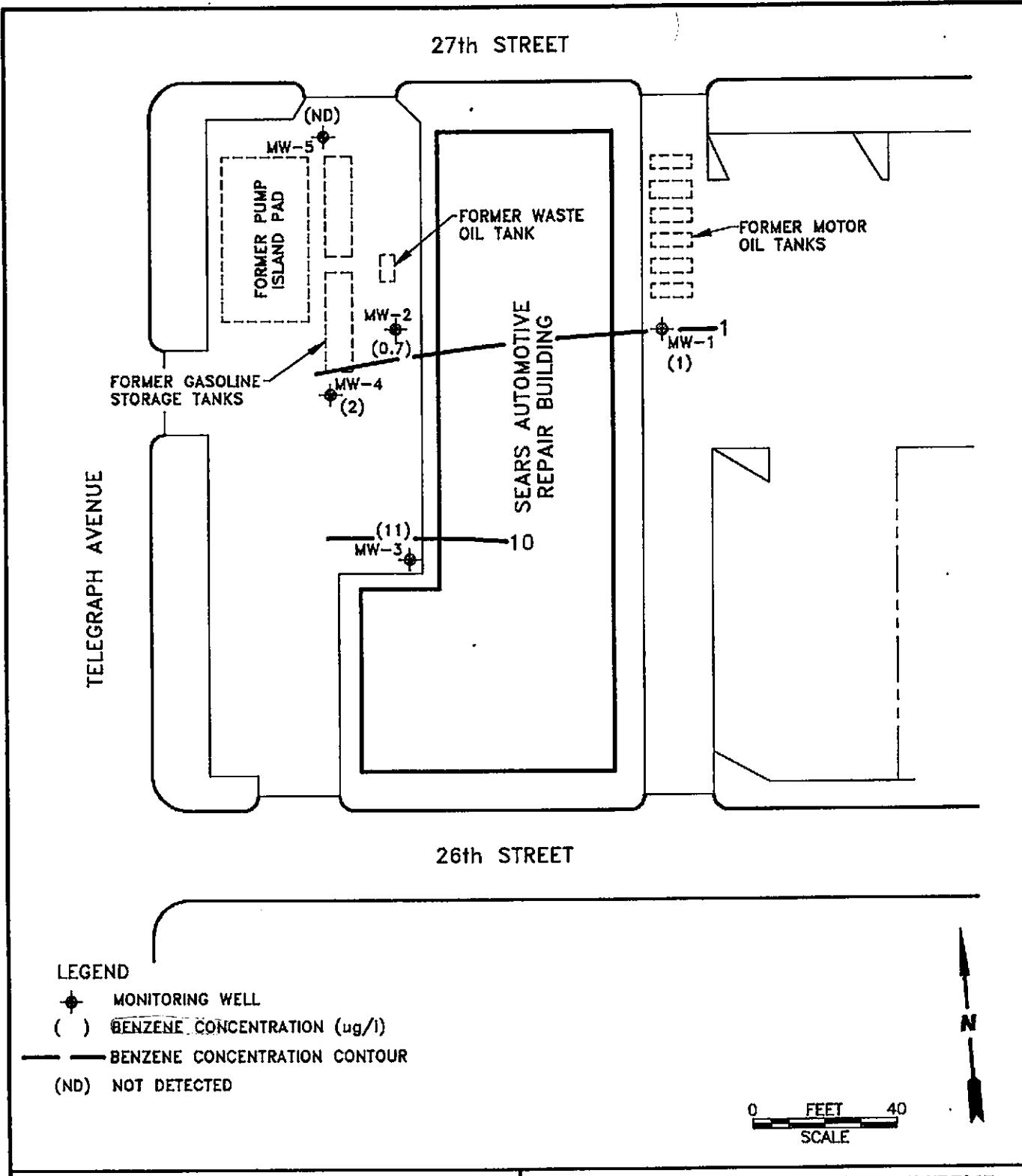


GROUNDWATER TECHNOLOGY

4057 PORT CHICAGO HWY.
CONCORD, CA 94520
(510) 671-2387

CONCENTRATIONS OF TOTAL SEMI-VOLATILE ORGANICS IN SOIL (12/92)

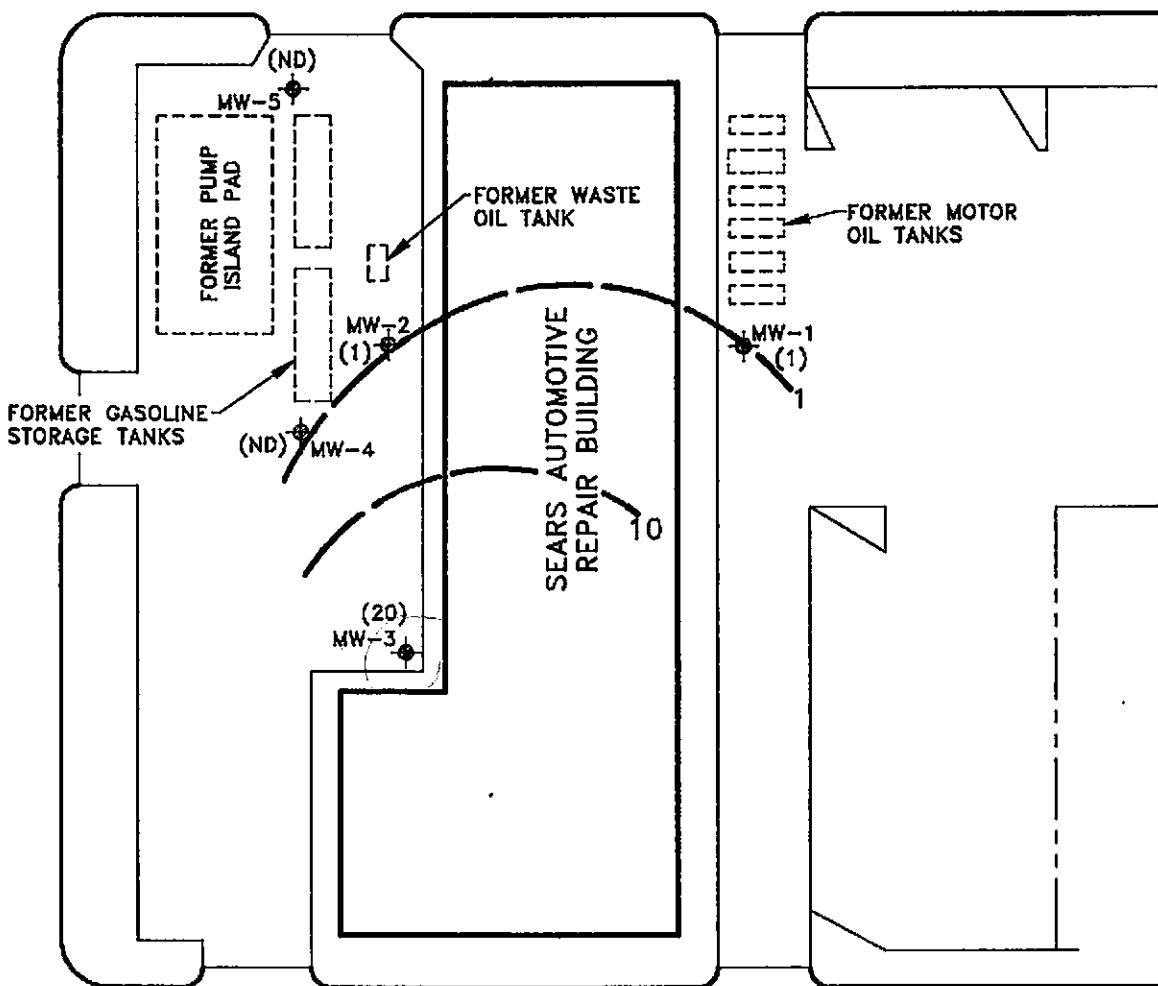
CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058				LOCATION: 2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	REV. NO.: 0	DATE: 3/4/93
PM Myr	PE/RG DRK	DESIGNED DH	DETAILED ML	ACAD FILE: SVOSOIL/SP193	PROJECT NO.: 020503392	FIGURE: 7



GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY. CONCORD, CA 94520 (310) 671-2387				CONCENTRATIONS OF BENZENE IN GROUNDWATER (12/30/92)			
CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	LOCATION:		REV. NO.: 0		DATE: 3/5/93		
PM <i>myw</i>	PE/RG DRK	DESIGNED DH	DETAILED ML	ACAD FILE: BENGWD92/SP193	PROJECT NO.: 020503392	FIGURE: 8	

27th STREET

TELEGRAPH AVENUE



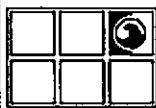
26th STREET

LEGEND

- ◆ MONITORING WELL
- () TPH CONCENTRATION (mg/l)
- TPH CONCENTRATION CONTOUR
- (ND) NOT DETECTED

N

0 FEET 40
SCALE

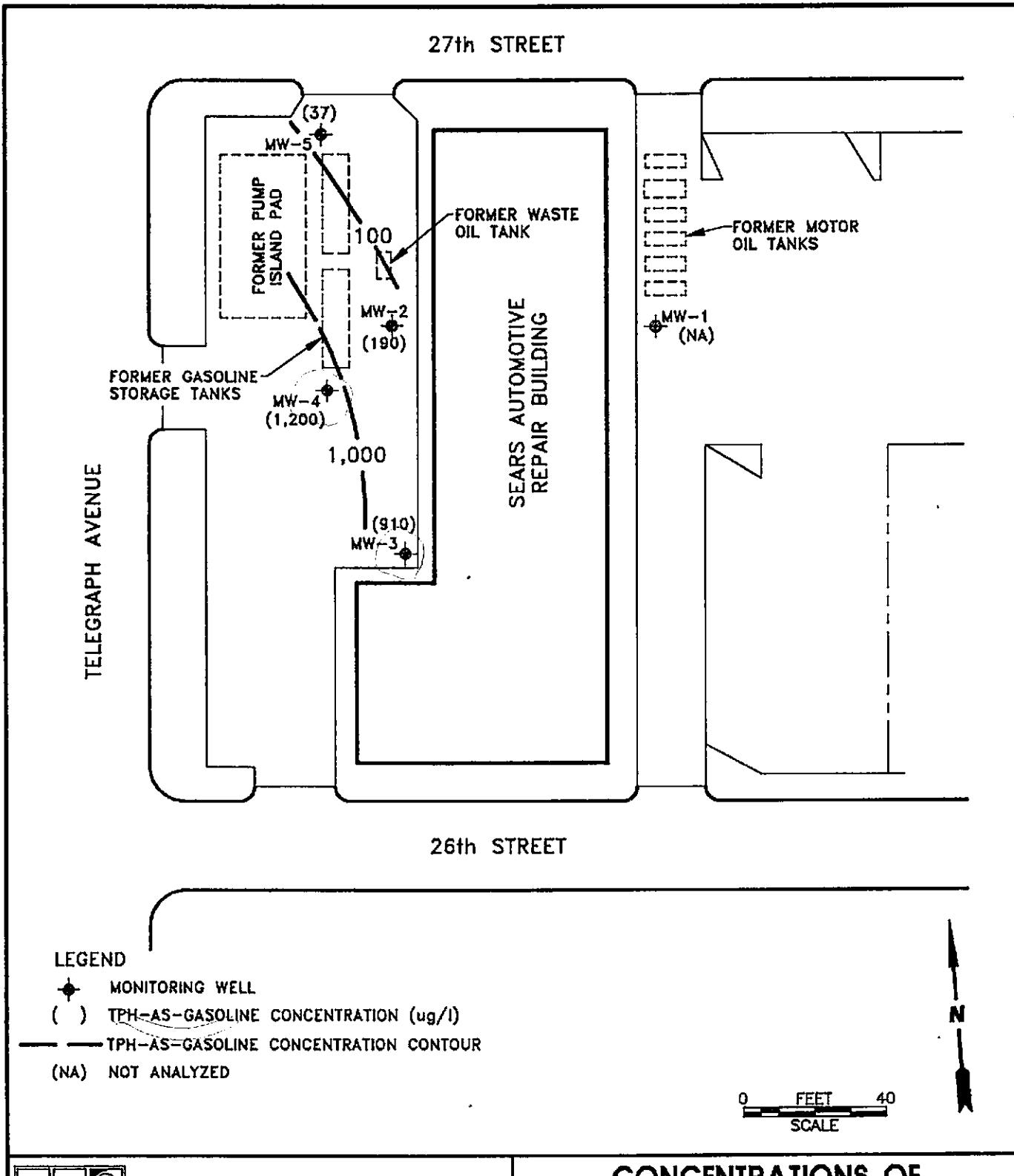


GROUNDWATER
TECHNOLOGY

4057 PORT CHICAGO HWY.
CONCORD, CA 94520
(510) 671-2387

CONCENTRATIONS OF TOTAL
PETROLEUM HYDROCARBONS IN
GROUNDWATER (12/30/92)

CLIENT:	LOCATION:	REV. NO.:	DATE:
SEARS, ROEBUCK AND CO. SITE No. 1058	2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA	0	3/5/93
PM <i>Mfr</i>	PE/RG DRK	DESIGNED DH	DETAILED ML
ACAD FILE: TPHGWD92/SP193	PROJECT NO.:	020503392	FIGURE: 9



	GROUNDWATER TECHNOLOGY	4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387	CONCENTRATIONS OF TPH-AS-GASOLINE IN GROUNDWATER (12/30/92)				
CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	LOCATION: 2633 TELEGRAPH AVE. OAKLAND, CALIFORNIA		REV. NO.: 0	DATE: 3/5/93			
PM <i>mlm</i>	PE/RG DRK	DESIGNED DH	DETAILED ML	ACAD FILE: TPGGWD92/SP193	PROJECT NO.: 020503392	FIGURE: 10	

TABLES

- TABLE 1 MONITORING DATA
- TABLE 2 SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
- TABLE 3 SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL
- TABLE 4 SUMMARY OF MAXIMUM CONTAMINANT LEVELS AND SOLUBILITIES FOR SELECTED COMPOUNDS DETECTED IN SOIL AND GROUNDWATER SAMPLES
- TABLE 5 SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES (12/30/92)

TABLE 1
MONITORING DATA

WELL NO.	CASING ELEV.	DATE	DTW	DTP	PT	GROUNDWATER ELEV.
MW-1	26.20	12/30/92	10.60	--	--	15.60
MW-2	26.50	12/30/92	10.65	--	*	15.85
MW-3	26.34	12/30/92	12.43	--	*	13.91
MW-4	26.17	12/30/92	11.53	--	--	14.64
MW-5	26.98	12/30/92	10.50	--	--	16.48

DTW = Depth to water (in feet)
 DTP = Depth to product (in feet)
 PT = Product thickness (in feet)
 * = Sheen observed (<0.01 foot)

Elevation in feet above mean sea level.

T11884A2

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES

WELL ID	DEPTH (ft)	(mg/kg)				TPH-G	TPH-D	(mg/kg) VOCs	(μ g/kg) SVOCs	(mg/kg) TPH	METALS (mg/kg)				
		B	T	E	X						Pb	Cd	Cr	Ni	Zn
MW-1	5.5	N	N	N	N	N	N	-	-	N	-	-	--	--	--
	11	N	N	N	N	N	N	-	-	25	-	-	--	--	--
	12	N	N	N	N	N	N	-	-	5	-	-	--	--	--
	21	N	N	N	N	N	N	-	-	-	-	-	--	--	--
MW-2	6	N	N	N	N	N	N	N	N	8	6.8	-	-	-	-
	11	N	N	0.035	0.22	11	N	N	*	3,400	9.9	--	-	-	-
	12	N	N	N	0.09	9	N	N	N	560	8.1	-	-	-	-
	15.5	N	N	N	0.027	5	N	N	*	-	7.5	-	-	-	-
MW-3	11	N	N	N	N	N	N	N	*	2,200	8.9	-	-	-	-
	12	N	N	N	N	0.24	22	N	*	1,900	9.0	-	-	-	-
	15	N	N	N	N	0.87	46	N	N	86	4.8	-	-	-	-
	25	N	N	N	N	N	N	N	*	-	6.3	-	-	-	-
MW-4	5.5	N	N	N	N	N	N	N	N	--	7.5	-	-	-	-
	10.5	N	N	N	N	0.33	41	N	*	1,600	12	-	-	-	-
	12	N	N	N	N	0.15	26	N	N	1,100	8.2	-	-	-	-
	20.5	N	N	N	N	N	N	N	*	12	6.8	-	-	-	-
MW-5	11	N	N	N	N	N	N	N	N	5	3.7	6.4	31	46	56
	15.5	N	N	N	N	N	N	N	N	N	4.4	4.3	36	35	34

* = Refer to Table 3 for compounds detected
N = Nondetectable (detection limits for each compound listed in laboratory reports, Appendix B)
- = Not analyzed
BTEX = Benzene, toluene, ethylbenzene, and xylenes (EPA Method 8020)
TPH-G = Total petroleum hydrocarbons-as-gasoline (modified EPA Method 8015)
TPH-D = Total petroleum hydrocarbons-as-diesel fuel (Modified EPA Methods 3550/8015)
VOCs = Volatile organic compounds (EPA Method 8010)
SVOCs = Semi-volatile organic compounds (EPA Method 8270)
TPH = Total petroleum hydrocarbons by Infrared Spectrometry (modified EPA Method 3550/EPA Method 418.1 (SM 5520 FC))
Pb = Lead (EPA Method 7421)
Cd = Cadmium (EPA Method 6010)
Cr = Chromium (EPA Method 6010)
Ni = Nickel (EPA Method 6010)
Zn = Zinc (EPA 6010)
mg/kg = Milligrams per kilogram (parts per million)

TABLE 3
SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUNDS DETECTED IN SOIL

WELL ID	DEPTH (ft)	SVOCs	CONCENTRATION ($\mu\text{g}/\text{kg}$)
MW-1		Not analyzed	--
MW-2	6	N	
	11	2-Methylnaphthalene	4,500
		Phenanthrene	470
	12	Pyrene	730
	15.5	N	--
		Pyrene	580
MW-3	11	Di-n-butylphthalate	3,100
		bis (2-ethylhexyl) phthalate	2,200
	12	Di-n-butylphthalate	2,800
		bis (2-ethylhexyl) phthalate	1,900
	15	N	--
	25	Di-n-butylphthalate	4,800
MW-4	5.5	N	--
	10.5	Naphthalene	980
		2-methylnaphthalene	1,500
	12	N	
	20.5	Di-n-butylphthalate	13,000
MW-5	11	N	--
	15.5	N	--

N = Not detectable

-- = Not applicable

$\mu\text{g}/\text{kg}$ = Micrograms per kilogram (parts per billion)

SVOC = Semi-volatile organic compounds

TABLE 4
SUMMARY OF MAXIMUM CONTAMINANT LEVELS AND SOLUBILITIES
FOR SELECTED COMPOUNDS DETECTED
IN SOIL AND GROUNDWATER SAMPLES

COMPOUNDS	MCL (mg/l)	SOLUBILITY ^a (mg/l @ 25 °C)
Benzene	0.001	1,800
Toluene	Unregulated ^b	524
Ethylbenzene	0.680	206
Total xylenes	1.750	--
O-xylene	--	204
M-xylene	--	157
P-xylene	--	180
Naphthalene	Unregulated ^c	30
2-Methylnaphthalene	No MCL established	24.6
Phenanthrene	No MCL established	1.29
Di-n-butylphthalate	No MCL established	13
Pyrene	No MCL established	0.013
Bis (2-ethylhexyl) phthalate	0.004	0.4

MCL = Maximum contaminant level for primary drinking water, Title 22, Article 5.5, Section 64444 of the California Code of Regulations.

^a = Montgomery, J.H. and Welkom, L.M., Groundwater Chemicals Desk Reference, 1990.

^b = Monitoring required (California EPA, Department of Health Service)

^c = Monitoring required for all community and nontransient, noncommunity water systems *if determined vulnerable* (California EPA, Department of Health Services).

mg/l = Milligram per liter (parts per million)

TABLE 5
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
DECEMBER 30, 1992
(Compounds µg/l except where noted otherwise)

WELL ID	B	T	E	X	TPH-G	TPH-D	VOCs	SVOCs	TPH (mg/l)	TOTAL LEAD
MW-1	1	1	2	2	-	N	-	-	1	-
MW-2	0.7	N	N	3	190	N	N	N	1	N
MW-3	11	0.9	N	2	910	N	^c N	^a N	20	N
MW-4	2	N	1	N	1,200	N	N	N	N	N
MW-5	N	N	N	N	37	N	N	N	N	^b 5

-- = Not analyzed
 N = Nondetectable (detection limits for each compound listed in laboratory reports, Appendix D)
^a = 2-Methylnaphthalene detected 14 µg/l
^b = Cadmium, chromium, nickel, and zinc were also analyzed but were nondetectable.
^c = Duplicate sample also analyzed and reported nondetectable concentrations.
 TPH-G = Total petroleum hydrocarbons-as-gasoline (EPA Methods 5030 and modified EPA Method 8015)
 BTEX = Benzene, toluene, ethylbenzene, xylenes (EPA Methods 5030, 8020)
 TPH-D = Total petroleum hydrocarbons-as-diesel fuel (EPA Methods 3510, 8015)
 VOCs = Volatile organic compounds (EPA Method 601)
 SVOCs = Semi-volatile organic compounds (EPA Method 8270/625)
 TPH = Total petroleum hydrocarbons (EPA Method 418.1[SM 5520 FC])

Phase II Assessment Report
Sears, 2633 Telegraph Ave., San Jose, CA

March 24, 1993

APPENDIX A
DRILLING LOGS

R3392A1.DH





GROUNDWATER
TECHNOLOGY

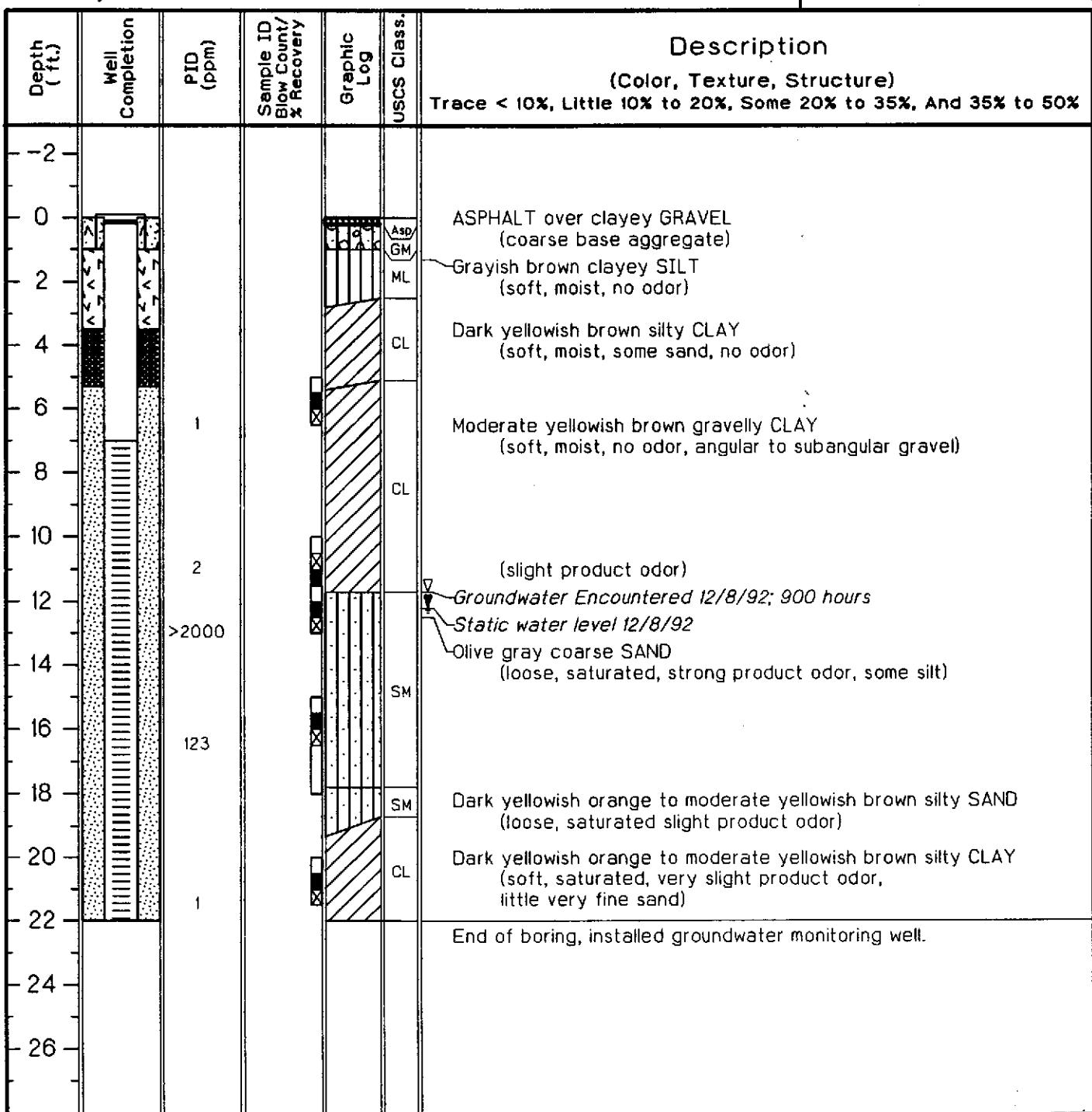
Drilling Log

Monitoring Well MW-1

Project Sears Automotive Owner Sears Roebuck & Co.
 Location Oakland, CA Project No. 020503392 Date drilled 12/8/92
 Surface Elev. 26.95 ft. Total Hole Depth 22.0 ft. Diameter 10.5 in.
 Top of Casing 26.20 ft. Water Level Initial 11.7 ft. Static 12.2 ft.
 Screen: Dia 2.0 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2.0 in. Length 6.5 ft. Type PVC
 Filter Pack Material #3 Lonestar Rig/Core Type B-53
 Drilling Company Kvilhaug Well Drilling Method Hollow Stem Auger Permit # 92601
 Driller Mike Crocker Log By Kenneth Johnson
 Checked By David Kleesattel License No. RG 5136 David Kleesattel

See Site Map
For Boring Location

COMMENTS:





GROUNDWATER
TECHNOLOGY

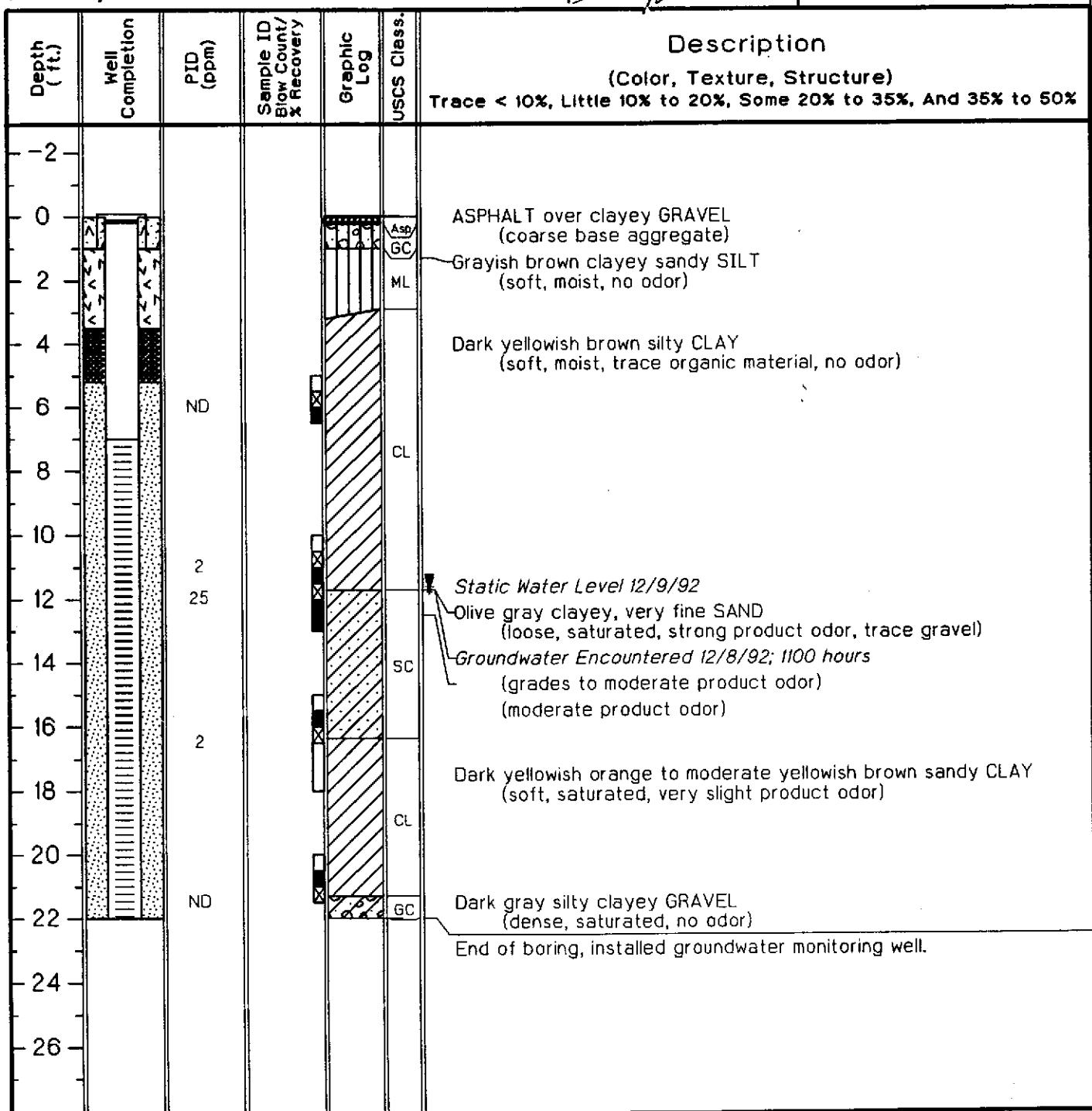
Drilling Log

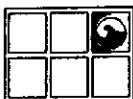
Monitoring Well MW-2

Project Sears Automotive Owner Sears Roebuck & Co.
 Location Oakland, CA Project No. 020503392 Date drilled 12/8/92
 Surface Elev. 26.83 ft. Total Hole Depth 22.0 ft. Diameter 10.5 in.
 Top of Casing 26.50 ft. Water Level Initial 11.7 ft. Static 11.6 ft.
 Screen: Dia 2.0 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2.0 in. Length 6.5 ft. Type PVC
 Filter Pack Material #3 Lonestar Rig/Core Type B-53
 Drilling Company Kvihaug Well Drilling Method Hollow Stem Auger Permit # 92601
 Driller Mike Crocker Log By Kenneth Johnson
 Checked By David Kleesattel License No. RG 5136 D. Kleesattel

See Site Map
For Boring Location

COMMENTS:





GROUNDWATER
TECHNOLOGY

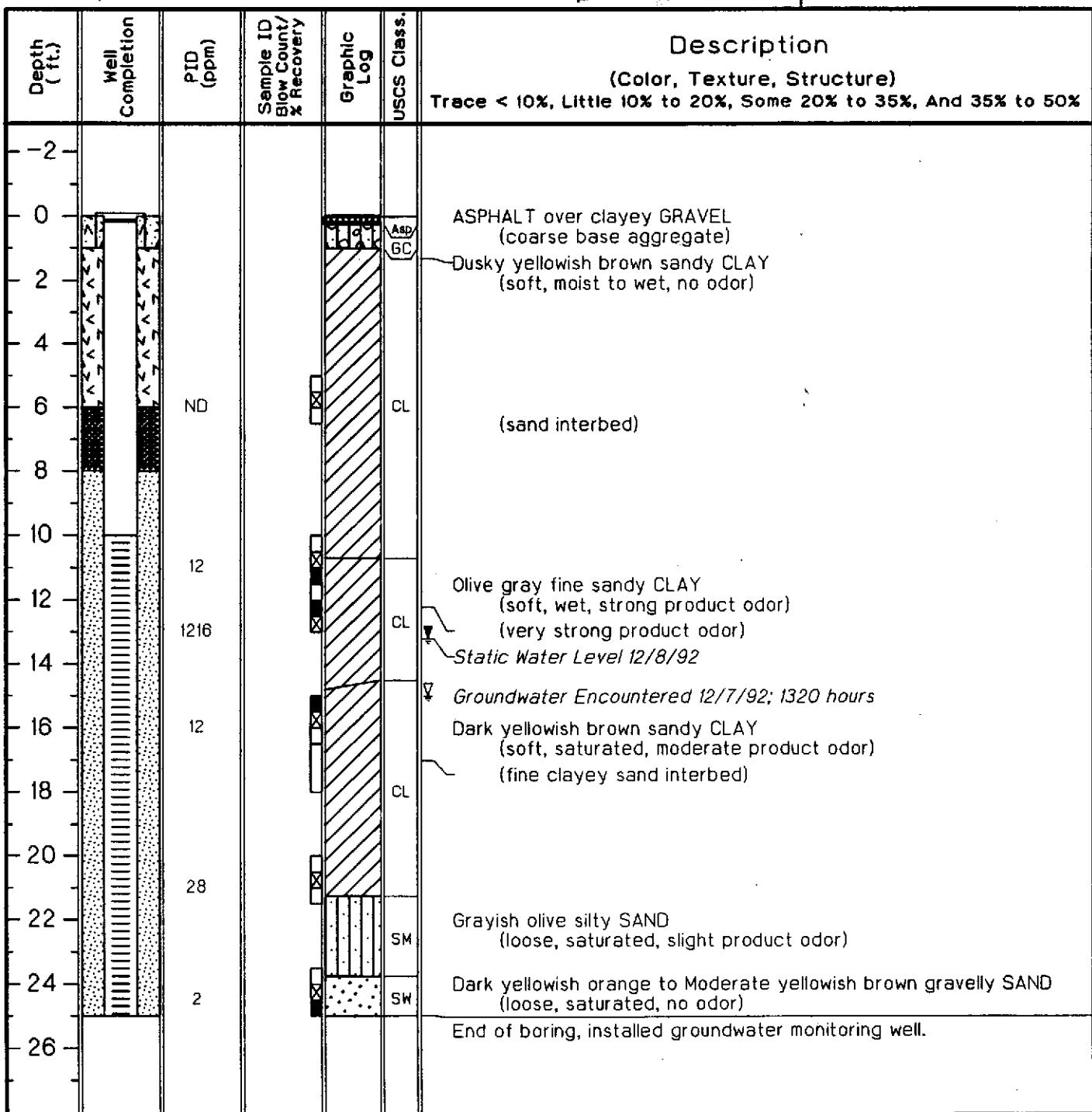
Drilling Log

Monitoring Well MW-3

Project Sears Automotive Owner Sears Roebuck & Co.
 Location Oakland, CA Project No. 020503392 Date drilled 12/7/92
 Surface Elev. 26.83 ft. Total Hole Depth 25.0 ft. Diameter 10.5 in.
 Top of Casing 26.34 ft. Water Level Initial 15.0 ft. Static 13.2 ft.
 Screen: Dia 2.0 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2.0 in. Length 9.5 ft. Type PVC
 Filter Pack Material #3 Lonestar Rig/Core Type B-53
 Drilling Company Kvilhaug Well Drilling Method Hollow Stem Auger Permit # 92601
 Driller Mike Crocker Log By Kenneth Johnson
 Checked By David Kleesattel License No. RG 5136 D. Kleesattel

See Site Map
For Boring Location

COMMENTS:





GROUNDWATER
TECHNOLOGY

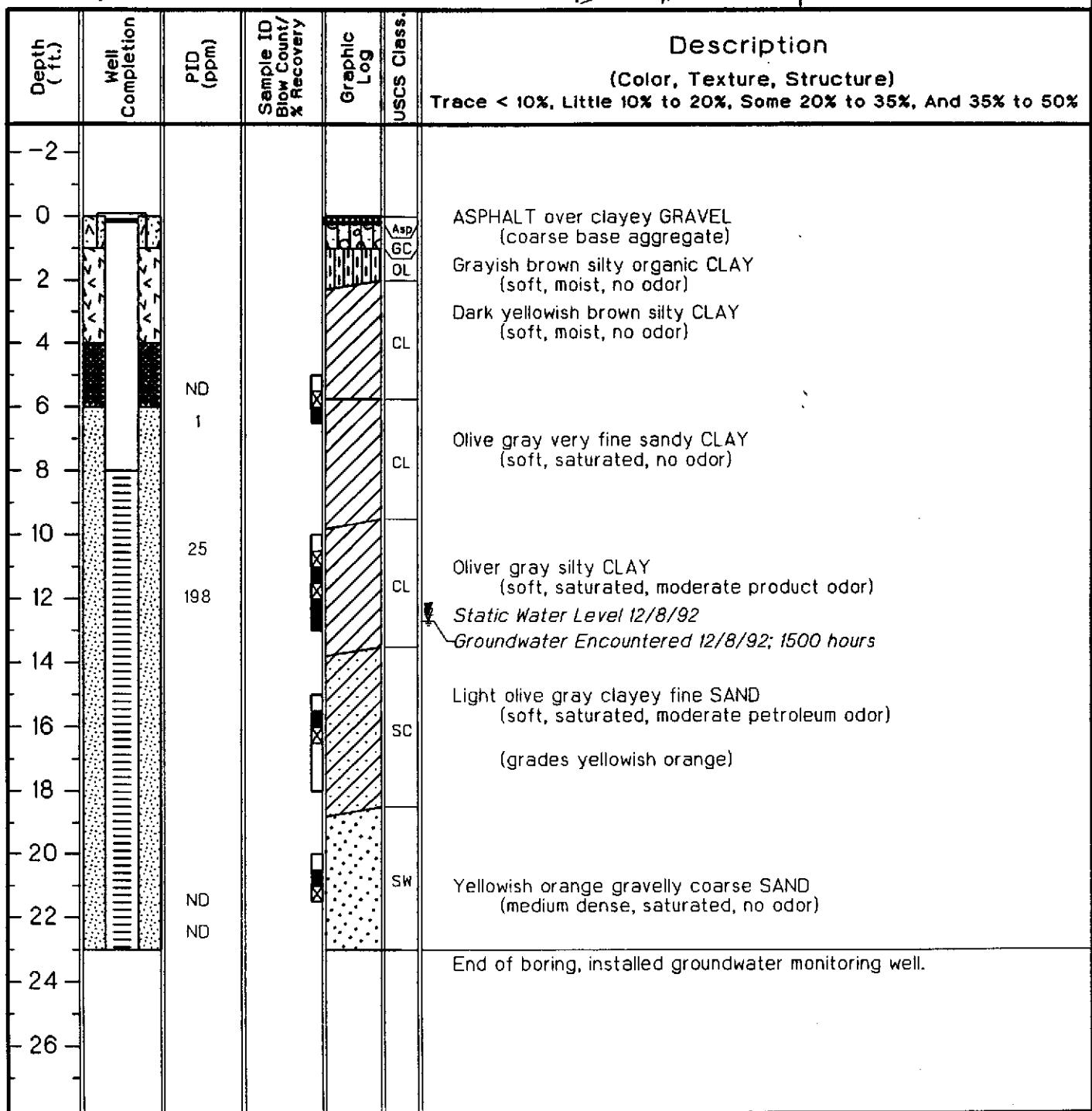
Drilling Log

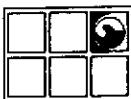
Monitoring Well MW-4

Project Sears Automotive Owner Sears Roebuck & Co.
 Location Oakland, CA Project No. 020503392 Date drilled 12/8/92
 Surface Elev. 26.84 ft. Total Hole Depth 23.0 ft. Diameter 10.5 in.
 Top of Casing 26.17 ft. Water Level Initial 12.7 ft. Static 12.5 ft.
 Screen: Dia 2.0 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2.0 in. Length 7.5 ft. Type PVC
 Filter Pack Material #3 Lonestar Rig/Core Type B-53
 Drilling Company Kvilhaug Well Drilling Method Hollow Stem Auger Permit # 92601
 Driller Mike Crocker Log By Kenneth Johnson
 Checked By David Kleesattel License No. RG 5136 D. M. Kleesattel

See Site Map
For Boring Location

COMMENTS:





GROUNDWATER
TECHNOLOGY

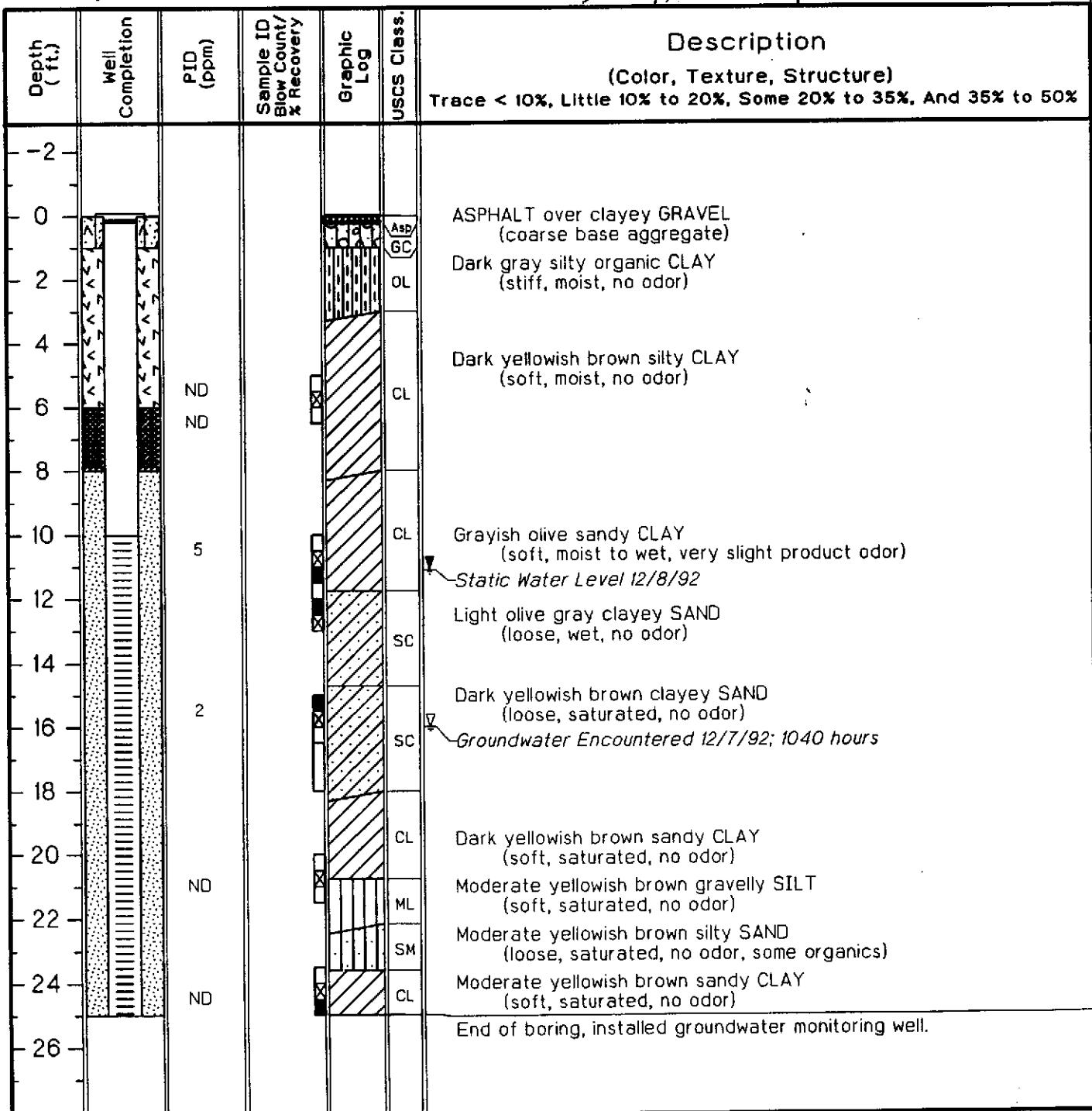
Drilling Log

Monitoring Well MW-5

Project Sears Automotive Owner Sears Roebuck & Co.
 Location Oakland, CA Project No. 020503392 Date drilled 12/7/92
 Surface Elev. 27.31 ft. Total Hole Depth 25.0 ft. Diameter 10.5 in.
 Top of Casing 26.98 ft. Water Level Initial 16.0 ft. Static 11.1 ft.
 Screen: Dia 2.0 in. Length 15 ft. Type/Size 0.020 in.
 Casing: Dia 2.0 in. Length 9.5 ft. Type PVC
 Filter Pack Material #3 Lonestar Rig/Core Type B-53
 Drilling Company Kvillaug Well Drilling Method Hollow Stem Auger Permit # 92601
 Driller Mike Crocker Log By Kenneth Johnson
 Checked By David Kleesattel License No. RG 5136 *[Signature]*

See Site Map
For Boring Location

COMMENTS:



Phase II Assessment Report
Sears, 2633 Telegraph Ave., San Jose, CA

March 24, 1993

APPENDIX B

**LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS
FOR SOIL SAMPLES**

R3392A1.DH



GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

December 23, 1992

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

Dear Mr. Wray,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 12-12-92 under chain-of-custody records 23204 and 25516.

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 state of California under Certification #E723.

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.

A handwritten signature in black ink, appearing to read "Minsoon Song".

Minsoon Song
Laboratory Director

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number		12142-1	12142-2	12142-3	12142-4
Client Identification		MW2-6	MW2-11	MW2-12	MW2-15.5
Date Sampled		12-8-92	12-8-92	12-8-92	12-8-92
Date Extracted		12-15-92	12-15-92	12-15-92	12-15-92
Date Analyzed		12-16-92	12-16-92	12-16-92	12-16-92
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl Ether	1.0	<1.0	<1.0	<1.0	<1.0

Table continued on next page

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number		12142-1	12142-2	12142-3	12142-4
Client Identification		MW2-6	MW2-11	MW2-12	MW2-15.5
Date Sampled		12-8-92	12-8-92	12-8-92	12-8-92
Date Extracted		12-15-92	12-15-92	12-15-92	12-15-92
Date Analyzed		12-16-92	12-16-92	12-16-92	12-16-92
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dilution Multiplier ^b		1	1	1	1
1,4-Dichlorobutane surrogate ^c , % recovery		76.6	89.7	116	103

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).
- b. Indicates the adjustments made for sample dilution.
- c. 1,4-Dichlorobutane surrogate recovery acceptability limits of 60-140% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 107 mg/kg.

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number	12142-5	12142-6	12142-7	12142-8	
Client Identification	MW4-5.5	MW4-10.5	MW4-12	MW4-20.5	
Date Sampled	12-8-92	12-8-92	12-8-92	12-8-92	
Date Extracted	12-15-92	12-15-92	12-15-92	12-15-92	
Date Analyzed	12-16-92	12-17-92	12-17-92	12-17-92	
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl Ether	1.0	<1.0	<1.0	<1.0	<1.0

Table continued on next page

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number	12142-5	12142-6	12142-7	12142-8	
Client Identification	MW4-5.5	MW4-10.5	MW4-12	MW4-20.5	
Date Sampled	12-8-92	12-8-92	12-8-92	12-8-92	
Date Extracted	12-15-92	12-15-92	12-15-92	12-15-92	
Date Analyzed	12-16-92	12-17-92	12-17-92	12-17-92	
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dilution Multiplier ^b		1	1	1	1
1,4-Dichlorobutane surrogate ^c , % recovery		103	98.6	106	107

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).
- b. Indicates the adjustments made for sample dilution.
- c. 1,4-Dichlorobutane surrogate recovery acceptability limits of 60-140% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 107 mg/kg.

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Method 8010^a

GTEL Sample Number	12142-9	12142-10	12142-11	12142-12	
Client Identification	MW5-11	MW5-15.5	MW3-11	MW3-12	
Date Sampled	12-8-92	12-8-92	12-7-92	12-7-92	
Date Extracted	12-15-92	12-15-92	12-15-92	12-15-92	
Date Analyzed	12-17-92	12-17-92	12-17-92	12-17-92	
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Methylene Chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl Ether	1.0	<1.0	<1.0	<1.0	<1.0

Table continued on next page

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number		12142-9	12142-10	12142-11	12142-12
Client Identification		MW5-11	MW5-15.5	MW3-11	MW3-12
Date Sampled		12-8-92	12-8-92	12-7-92	12-7-92
Date Extracted		12-15-92	12-15-92	12-15-92	12-15-92
Date Analyzed		12-17-92	12-17-92	12-17-92	12-17-92
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dilution Multiplier ^b		1	1	1	1
1,4-Dichlorobutane surrogate ^c , % recovery		91.1	86.9	90.2	87.4

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).
- b. Indicates the adjustments made for sample dilution.
- c. 1,4-Dichlorobutane surrogate recovery acceptability limits of 60-140% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 107 mg/kg.

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Method 8010^a

GTEL Sample Number	12142-13	12142-14		
Client Identification	MW3-15	MW3-25		
Date Sampled	12-7-92	12-7-92		
Date Extracted	12-15-92	12-15-92		
Date Analyzed	12-17-92	12-17-92		
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg		
Chloromethane	0.5	<0.5	<0.5	
Bromomethane	0.5	<0.5	<0.5	
Vinyl chloride	1.0	<1.0	<1.0	
Chloroethane	0.5	<0.5	<0.5	
Methylene Chloride	0.5	<0.5	<0.5	
1,1-Dichloroethene	0.2	<0.2	<0.2	
1,1-Dichloroethane	0.5	<0.5	<0.5	
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	
Chloroform	0.5	<0.5	<0.5	
1,2-Dichloroethane	0.5	<0.5	<0.5	
1,1,1-Trichloroethane	0.5	<0.5	<0.5	
Carbon Tetrachloride	0.5	<0.5	<0.5	
Bromodichloromethane	0.5	<0.5	<0.5	
1,2-Dichloropropane	0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	
Trichloroethene	0.5	<0.5	<0.5	
Dichlorodifluoromethane	0.5	<0.5	<0.5	
Dibromochloromethane	0.5	<0.5	<0.5	
1,1,2-Trichloroethane	0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	
2-Chloroethylvinyl Ether	1.0	<1.0	<1.0	

Table continued on next page

GTEL Client Number: 020503392
Project I.D.: Sears
Work Order Number: T212142

ANALYTICAL RESULTS

Volatile Organics in Soil EPA Method 8010^a

GTEL Sample Number		12142-13	12142-14		
Client Identification		MW3-15	MW3-25		
Date Sampled		12-7-92	12-7-92		
Date Extracted		12-15-92	12-15-92		
Date Analyzed		12-17-92	12-17-92		
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5	<0.5		
Tetrachloroethene	0.5	<0.5	<0.5		
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5		
Chlorobenzene	0.5	<0.5	<0.5		
1,2-Dichlorobenzene	0.5	<0.5	<0.5		
1,3-Dichlorobenzene	0.5	<0.5	<0.5		
1,4-Dichlorobenzene	0.5	<0.5	<0.5		
Trichlorofluoromethane	0.5	<0.5	<0.5		
Dilution Multiplier ^b		1	1		
1,4-Dichlorobutane surrogate ^c , % recovery		102	89.3		

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).
- b. Indicates the adjustments made for sample dilution.
- c. 1,4-Dichlorobutane surrogate recovery acceptability limits of 60-140% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 107 mg/kg.

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

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

23204

Company Name:

GTEL Concord

Phone #: 510-685-7852

FAX #: 825-0720

Company Address:

4080-C Pike Lane

Site location:

Sears

Project Manager:

Michelle Huth

Client Project ID: (#) 020503392

(NAME)

Sears

attest that the proper field sampling
procedures were used during the collection
of these samples.

Sampler Name (Print):

B. Sorensen

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix		Method Preserved	Sampling				
			WATER	SOIL AIR SLUDGE PRODUCT OTHER						
MW-2-6		2	X			12/8/92 5:55				
MW 2-11		1	X				11:00			
MW 2-12			X				11:05			
MW 2-15.5			X				11:15			
MW 4-5.5			X				11:25			
MW 4-10.5			X							
MW 4-12			X							
MW 4-20.5			X							
MW 5-11			X							
MW 5-15.5		1	X							
TAT										

Priority (24 hr) <input type="checkbox"/>	Special Handling		SPECIAL DETECTION LIMITS			REMARKS	
Expedited (48 hr) <input type="checkbox"/>	GTEL Contact Quote/Contract # <u>Sears National Contract</u>					<i>40C</i>	
7 Business Days <input type="checkbox"/>	Confirmation #						
Other <u>STD</u> <input type="checkbox"/>	PO #						
Business Days <input type="checkbox"/>							
QA / QC LEVEL			SPECIAL REPORTING REQUIREMENTS			Lab Use Only Lot #	Storage Location:
BLUE <input type="checkbox"/>	CLP <input type="checkbox"/>	OTHER <u></u>					
			FAX <input type="checkbox"/>			Work Order #	<u>T 2 12 142</u>

Relinquished by Sampler <u>B. Sorensen</u>		Date <u>12/12/92</u>	Time <u>3:30</u>	Received by: <u>Paula Jones 12/12/92</u>
Relinquished by: <u></u>		Date <u></u>	Time <u></u>	Received by: <u></u>
Relinquished by: <u></u>		Date <u>12/12/92</u>	Time <u>11:45</u>	Received by Laboratory: <u>R. B. Kelly</u>
				Waybill # <u></u>



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

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

25516

Company Name: Phone #: 510-685-7852

Phone #: 510-685-7852

FAX #: 825-0720

Site location:

Get Concord

Company Address:
4080-C Pike Lane

Project Manager:
Michelle Huth

Client Project ID: (#)

Sampler Name (Print):

attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Method Preserved						Sampling	BTEX/602 □ 8020
			WATER	Matrix	Preserved					
MW 3-11			X	SOIL						BTEX/Gas Hydrocarbons
MW 3-12			X	AIR						Hydrocarbons GC/FID
MW 3-15			X	SLUDGE						Hydrocarbon Profile
MW 3-25			X	PRODUCT						Oil and Grease 413.
			X	OTHER						TPH/IR 418.1 □ SM
				HCl						EDB by 504 □ DBCI
				HNO ₃						EPA 505.1 □ EPA 5
				H ₂ SO ₄						EPA 601 □ EPA 80
				ICE						EPA 602 □ EPA 800
				UNPRESERVED						EPA 608 □ 8080 □
				OTHER (SPECIFY)						EPA 624/PPL □ 824
				DATE						EPA 625/PPL □ 825
										EPA 610 □ 8310 □
										EP TOX Metals □ P
										TCLP Metals □ VO
										EPA Metals - Priority
										CAM Metals TTLC □
										Lead 239.2 □ 200.7
										Organic Lead □
										Corrosivity □ Flash

TAT	Special Handling	SPECIAL DETECTION LIMITS	REMARKS	
Priority (24 hr) <input type="checkbox"/>	GTEL Contact _____	SPECIAL REPORTING REQUIREMENTS		Lab Use Only Lot # _____ Storage Location: _____
Expedited (48 hr) <input type="checkbox"/>	Quote/Contract # _____			
7 Business Days <input type="checkbox"/>	Confirmation # _____			
Other <u>STD</u> <input type="checkbox"/>	PO # _____			
Business Days <input type="checkbox"/>	QA / QC LEVEL	FAX <input type="checkbox"/>	Work Order # _____	
BLUE <input type="checkbox"/> CLP <input type="checkbox"/> OTHER _____				
CUSTODY RECORD		Relinquished by Sampler: <i>Lisa Jansell</i>	Date <u>12/11/97</u> Time <u>13:30</u>	Received by:
		Relinquished by: <i>Lisa Jansell</i>	Date _____ Time _____	Received by:
		Relinquished by: _____	Date <u>12/12/97</u> Time <u>11:45</u>	Received by Laboratory: <i>Phy Andy</i> Waybill # _____

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 PIKE LANE
CONCORD, CA 94520
(415) 685-7852
(800) 423-7143 (OUTSIDE CA) (800) 544-3422 (INSIDE CA)

AND ANALYSIS REQUEST

Company Name:

Groundwater Technology Inc. FAX #:

685-948

Company Address:

4057 Port Chicago Hwy Concord
Site location: 2633 Telegraph Ave.
Oakland, CA

Project Manager:

Mike Wray

I attest that the proper field sampling
procedures were used during the collection
of these samples.

Phone #: 510 671-2387

Client Project ID: (#) 020503392

(NAME) Sears

Sampler Name (Print):

Ken Johnson

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix	Method Preserved	Sampling		BTEX/602 <input checked="" type="checkbox"/> 8020 <input checked="" type="checkbox"/> with MTBE <input type="checkbox"/>	BTEX/Gas Hydrocarbons PID/FID <input checked="" type="checkbox"/> with MTBE <input type="checkbox"/>	Hydrocarbons GC/FID Gas <input type="checkbox"/> Diesel <input checked="" type="checkbox"/> Screen <input type="checkbox"/>	Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM 503 <input type="checkbox"/>	TPH/HR 418.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>	EPA 504 <input type="checkbox"/> DBCP by 504 <input type="checkbox"/>	EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010 <input checked="" type="checkbox"/>	EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	EPA 624/PP1 <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	EPA 625/PP1 <input type="checkbox"/> 8250/TAL <input checked="" type="checkbox"/> NBS (+25) <input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <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"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	CAM Metals TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 6010 <input checked="" type="checkbox"/> (Total) <input type="checkbox"/>	Organic Lead <input type="checkbox"/>	Constituency <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>
					WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	UNPRESERVED	OTHER SPECIFIC DATE	TIME										
MW-1-5.5		1	X							X																	
MW-1-11		1	X							X																	
MW-1-12		1	X							X																	
MW-1-15.5		1	X							X																	
MW-1-21		1	X							X																	
MW-2-6	01	1	X							X																	
MW-2-11	02	1	X							X																	
MW-2-12	03	1	X							X																	
MW-2-12.5		1	X							X																	

TAT

Priority (24 hr)

Expedited (48 hr)

7 Business Days

Other STANDARD 2 weeks

Business Days

Special Handling

SPECIAL DETECTION LIMITS

REMARKS

ON EPA 8270 scan please note also:
PCBs, PCPs, PNAs & Creosote. Per
Quotation No. QCP 2008Z (10/10/92)

Lab Use Only Lot #

Storage Location:

QA / QC LEVEL

FAX

Work Order #

Received by:

BLUE CLP OTHER _____

Relinquished by Sampler:

Relinquished by:

Relinquished by:

Date 12/10/92 Time 11:15

Date 12/10/92 Time

Date 12/10/92 Time

Received by Laboratory:

Waybill #

CUSTODY RECORD

Kathy Black

10F3

R-1

C212059

LIN 17

Company Name:

Groundwater Technology Inc Phone #: 510 671-2307

Company Address:

4057 Port Chicago Hwy Concord Site location: 2633 Telegraph Ave.
Oakland, CA

Project Manager:

Mike Wray

Phone #: 510 671-2307

FAX #: 685-9148

Site location: 2633 Telegraph Ave.

Client Project ID: (#) 020503392

(NAME) Sears

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print):

Ken Johnson

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix		Method Preserved	Sampling										
			WATER	SOIL												
MW-2-15.5	04	1	X		X	13/01/92 11:15	XX									
MW-2-20.5		1	X		X	↓ 1125										
MW-4-5.5	05	1	X		X	240	XX									
MW-4-10.5	06	1	X		X	250	XX									
MW-4-11		1	X		X	250										
MW-4-12	07	1	X		X	300	XX									
MW-4-15.5		1	X		X	305										
MW-4-20.5	08	1	X		X	310	XX									
MW-4-22.5		1	X		X	↓ 315										

TAT	Special Handling	SPECIAL DETECTION LIMITS	REMARKS
Priority (24 hr) <input type="checkbox"/>	GTEL Contact _____	On EPA 8270 Scan please note also: PCB's, PCPs, PNA's + Creatote - per Quotation No QC 920092 (10/18/92)	
Expedited (48 hr) <input type="checkbox"/>	Quote/Contract # National Contract		
7 Business Days <input type="checkbox"/>	Confirmation # _____		
Other Standard 2 week <input type="checkbox"/>	PO # _____		
Business Days <input type="checkbox"/>	QA / QC LEVEL	SPECIAL REPORTING REQUIREMENTS	Lab Use Only Lot #
BLUE <input type="checkbox"/> CLP <input type="checkbox"/> OTHER _____	FAX <input type="checkbox"/>		Storage Location:

CUSTODY RECORD	Relinquished by Sampler: <i>Kenneth Johnson</i>	Date 12/10/92 Time 11:15	Received by:
	Relinquished by: <i>Kenneth Johnson</i>	Date 12/11/92 Time 11:15	Received by:
	Relinquished by: <i>Kathy Blair</i>	Date 12/11/92 Time 11:15	Received by Laboratory: <i>Kathy Blair</i>

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 PIKE LANE
CONCORD, CA 94520
(415) 685-7852
(800) 423-7143 (OUTSIDE CA) (800) 544-3422 (INSIDE CA)

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

19953

Company Name: *Groundwater Technology Inc.* Phone #: 510 671-2387
FAX #: 685-9148

Company Address: Site location: 2633 Telegraph Ave.
4057 Part Chicago Hwy Concord Oakland CA

Project Manager: Client Project ID: (#) 020503392

Mike Wray

(NAME) *Sears*

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): *Ken Johnson*

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix		Method Preserved		Sampling											
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	UR-PRESER-EZ	OTHER SPECIFY	DATE	TIME		
MW-5-11	09	1	X									X				12/17/92	1030	BTEX/602 <input type="checkbox"/> 8020 <input type="checkbox"/> with MTBE <input type="checkbox"/>
MW-5-15.5	10	1	X									X				12/17/92	1040	BTEX/Gas Hydrocarbons PID/FID <input checked="" type="checkbox"/> with MTBE <input type="checkbox"/>
MW-3-11	11	1	X									X						Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>
MW-3-12	12	1	X									X				Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM 503 <input type="checkbox"/>		
MW-3-15	13	1	X									X				TPH/HR 416.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>		
MW-3-25	14	1	X									X				EDB by 504 <input type="checkbox"/> DBCP by 504 <input type="checkbox"/>		
																EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>		
																EPA 601 <input type="checkbox"/> EPA 8010 <input checked="" type="checkbox"/>		
																EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>		
																EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>		
																EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>		
																EPA 625/PPL <input type="checkbox"/> 8270/TAL <input checked="" type="checkbox"/> NBS (+25) <input type="checkbox"/>		
																EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>		
																EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <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"/>		
																EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>		
																CAM Metals TTLC <input type="checkbox"/> STLC <input type="checkbox"/>		
																Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 6010 <input checked="" type="checkbox"/> (Total) <input type="checkbox"/>		
																Organic Lead <input type="checkbox"/>		
																Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>		

TAT	Special Handling	SPECIAL DETECTION LIMITS	REMARKS
Priority (24 hr) <input type="checkbox"/>	GTEL Contact <i>National Contract</i>		On EPA 8270 scan please note also PCB's, PCPs, PNA's + Creosote. Per Quotation No. QC920082 (10/18/92)
Expedited (48 hr) <input type="checkbox"/>	Quote/Contract #		
7 Business Days <input type="checkbox"/>	Confirmation #		
Other Standard 2 weeks <input type="checkbox"/>	PO #		
Business Days <input type="checkbox"/>			

QA / QC LEVEL	SPECIAL REPORTING REQUIREMENTS	Lab Use Only Lot #	Storage Location:
---------------	--------------------------------	--------------------	-------------------

BLUE <input type="checkbox"/>	CLP <input type="checkbox"/>	OTHER _____	FAX <input type="checkbox"/>	Work Order #
-------------------------------	------------------------------	-------------	------------------------------	--------------

CUSTODY RECORD	Relinquished by Sampler: <i>Kenneth</i>	Date <i>12/10/92</i> Time <i>1115</i>	Received by:
	Relinquished by: <i>Kenneth</i>	Date <i>12/10/92</i> Time <i>1115</i>	Received by:
	Relinquished by: <i>Walter Baird</i>	Date <i>12/10/92</i> Time <i>1115</i>	Received by Laboratory: <i>Walter Baird</i>

TOC by EPA 8270 scan (DTF)
Metals (Pb, Cd, Cr, Ni, Zn) by AA/ICAP



Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-259

December 23, 1992

Mike 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 12/10/92, under chain of custody record 19954.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P." The signature is fluid and cursive, with "Eileen F. Bullen" on top and "R.P." on the bottom right.

Eileen F. Bullen
Laboratory Director

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-259

ANALYTICAL RESULTS

Matrix: Soil

Sample Number					01	02	03	04
Sample Identification					MW-2-6	MW-2-11	MW-2-12	MW-2-15.5
Date Sampled					12/08/92	12/08/92	12/08/92	12/08/92
Test Description	Units	Detection Limit	Method	Date Analyzed	Test Result			
Lead	mg/Kg	5	EPA 7421	12/21/92	6.8	9.9	8.1	7.5

Sample Number					05	06	07	08
Sample Identification					MW-4-5.5	MW-4-10.5	MW-4-12	MW-4-20.5
Date Sampled					12/08/92	12/08/92	12/08/92	12/08/92
Test Description	Units	Detection Limit	Method	Date Analyzed	Test Result			
Lead	mg/Kg	5	EPA 7421	12/21/92	7.5	12	8.2	6.8

Note: Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-259

ANALYTICAL RESULTS

Matrix: Soil

Sample Number					09	10	11	12
Sample Identification					MW-3-11	MW-3-12	MW-3-15	MW-3-25
Date Sampled					12/07/92	12/07/92	12/07/92	12/07/92
Test Description	Units	Detection Limit	Method	Date Analyzed	Test Result			
Lead	mg/Kg	5	EPA 7421	12/21/92	8.9	9.0	4.8	6.3

Note: Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.



Northwest Region

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Concord, CA 94520
(510) 685-7852
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(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-260

December 28, 1992

Mike 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 12/10/92, under chain of custody records 19953, 19954 and 19959.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P.M." The signature is written in a cursive style with "Eileen F. Bullen" on top and "R.P.M." on the line below it.

Eileen F. Bullen
Laboratory Director

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-260

Table 1
ANALYTICAL RESULTS
Total Petroleum Hydrocarbons in Soil
by Infrared Spectrometry¹
EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		01	02	03	04
Client Identification		MW-1-5.5	MW-1-11	MW-1-12	MW-1-21
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Prepared		12/15/92	12/15/92	12/16/92	12/16/92
Date Analyzed		12/21/92	12/21/92	12/21/92	12/21/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	<5	<5	25	5
Quantitation Limit Multiplier		1	1	1	1
Percent solids		82.2	86.1	87.0	73.4

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-260

Table 1 (Continued)

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons in Soil by Infrared Spectrometry¹

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		05	06	07	08
Client Identification	MW-2-6	MW-2-11	MW-2-12	MW-4-10.5	
Date Sampled	12/08/92	12/08/92	12/08/92	12/08/92	
Date Prepared	12/16/92	12/16/92	12/16/92	12/16/92	
Date Analyzed	12/21/92	12/21/92	12/21/92	12/21/92	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	8	3400	560	1600
Quantitation Limit Multiplier		1	1	1	1
Percent solids		84.2	78.4	80.7	76.5

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-260

Table 1 (Continued)

ANALYTICAL RESULTS

**Total Petroleum Hydrocarbons in Soil
by Infrared Spectrometry¹**

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		09	10	11	12
Client Identification	MW-4-12	MW-4-20.5	MW-5-11	MW-5-15.5	
Date Sampled	12/08/92	12/08/92	12/07/92	12/07/92	
Date Prepared	12/17/92	12/17/92	12/17/92	12/17/92	
Date Analyzed	12/21/92	12/21/92	12/21/92	12/21/92	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	1100	12	5	<5
Quantitation Limit Multiplier		1	1	1	1
Percent solids		78.4	95.7	78.1	83.4

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-260

Table 1 (Continued)

ANALYTICAL RESULTS

**Total Petroleum Hydrocarbons in Soil
by Infrared Spectrometry¹**

EPA 3550 (Mod.)/EPA 418.1 (SM 5520 FC)²

GTEL Sample Number		13	14	15	
Client Identification		MW-3-11	MW-3-12	MW-3-15	
Date Sampled		12/07/92	12/07/92	12/07/92	
Date Prepared		12/18/92	12/18/92	12/18/92	
Date Analyzed		12/21/92	12/21/92	12/21/92	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Petroleum Hydrocarbons	5	2200	1900	86	
Quantitation Limit Multiplier		1	1	1	
Percent solids		76.9	78.5	85.7	

1. The sample is sonication extracted using a modification of EPA 3550. The extract is analyzed, as in EPA 418.1 (SM 5520 CF), to yield results reported as Total Petroleum Hydrocarbons. Results are reported on a wet weight basis.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., American Public Health Association, 1989.



Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-261

December 23, 1992

Mike 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 12/10/92, under chain of custody record 19953.

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.

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Sincerely,
GTEL Environmental Laboratories, Inc.

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Eileen F. Bullen
Laboratory Director

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-261

ANALYTICAL RESULTS

Matrix: Soil

Sample Number					01	02		
Sample Identification					MW-5-11	MW-5-15.5		
Date Sampled					12/07/92	12/07/92		
Test Description	Units	Detection Limit	Method	Date Analyzed	Test Result			
Cadmium	mg/Kg	0.5	EPA 6010	12/17/92	6.4	4.3		
Chromium	mg/Kg	0.5	EPA 6010	12/17/92	31	36		
Lead	mg/Kg	5	EPA 7421	12/17/92	3.7	4.4		
Nickel	mg/Kg	1.5	EPA 6010	12/17/92	46	35		
Zinc	mg/Kg	1	EPA 6010	12/17/92	56	34		

Note: Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.



Northwest Region

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Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-254

December 18, 1992

Mike 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 12/10/92, under chain of custody record 19954.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.M." The signature is fluid and cursive, with "Eileen F. Bullen" on top and "R.M." on the line below it.

Eileen F. Bullen
Laboratory Director

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-254

Table 1
ANALYTICAL RESULTS
Aromatic Volatile Organics in Soil
EPA Method 8020^a

GTEL Sample Number		01	02	03	04
Client Identification		MW-1-5.5	MW-1-11	MW-1-12	MW-1-21
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/14/92	12/14/92	12/14/92	12/14/92
Date Analyzed		12/14/92	12/14/92	12/14/92	12/14/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
Quantitation Limit Multiplier		1	1	1	1
Percent solids		83.6	86.6	90.4	77.5

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.



Northwest Region

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(510) 825-0720 (FAX)

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-255

December 29, 1992

Mike 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 12/10/92, under chain of custody records 19953, 19954 and 19959.

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.

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Sincerely,
GTEL Environmental Laboratories, Inc.

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Eileen F. Bullen
Laboratory Director

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-255

Table 1
ANALYTICAL RESULTS

**Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil**

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		01	02	03	04
Client Identification		MW-2-6	MW-2-11	MW-2-12	MW-2-15.5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/16/92	12/17/92	12/16/92	12/16/92
Date Analyzed		12/17/92	12/17/92	12/17/92	12/18/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	0.035	<0.005	<0.005
Xylene, total	0.015	<0.015	0.22	0.09	0.027
BTEX, total	--	--	0.26	0.09	0.027
Gasoline	1	<1	11	9	5
Detection Limit Multiplier		1	1	1	1
Percent solids		84.2	78.3	79.8	80.7

- 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. Results reported on a wet weight basis.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-255

Table 1 (Continued)

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
Total Petroleum Hydrocarbons as Gasoline in Soil**

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		05	06	07	08
Client Identification		MW-4-5.5	MW-4-10.5	MW-4-12	MW-4-20.5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/17/92	12/17/92	12/18/92	12/18/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	0.33	0.15	<0.015
BTEX, total	--	--	0.33	0.15	--
Gasoline	1	<1	41	27	<1
Detection Limit Multiplier		1	1	1	1
Percent solids		77.9	76.2	77.6	85.5

- 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. Results reported on a wet weight basis.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-255

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		09	10	11	12
Client Identification		MW-5-11	MW-5-15.5	MW-3-11	MW-3-12
Date Sampled		12/07/92	12/07/92	12/07/92	12/07/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/18/92	12/18/92	12/18/92	12/18/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	0.24
BTEX, total	--	--	--	--	0.24
Gasoline	1	<1	<1	<1	22
Detection Limit Multiplier		1	1	1	1
Percent solids		77.4	83.2	76	78.9

- 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. Results reported on a wet weight basis.

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-255

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		13	14		
Client Identification		MW-3-15	MW-3-25		
Date Sampled		12/07/92	12/07/92		
Date Extracted		12/16/92	12/16/92		
Date Analyzed		12/18/92	12/18/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005		
Toluene	0.005	<0.005	<0.005		
Ethylbenzene	0.005	<0.005	<0.005		
Xylene, total	0.015	0.87	<0.015		
BTEX, total	--	0.87	--		
Gasoline	1	46	<1		
Detection Limit Multiplier		1	1		
Percent solids		84.4	84.7		

- 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. Results reported on a wet weight basis.



Northwest Region

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(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-256

December 22, 1992

Mike 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 12/10/92, under chain of custody records 19953, 19954 and 19959.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, P.E."

Eileen F. Bullen
Laboratory Director

Client Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-256

Table 1

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		01	02	03	04
Client Identification		MW-1-5.5	MW-1-11	MW-1-12	MW-1-21
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/19/92	12/19/92	12/19/92	12/19/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		83.6	86.6	90.4	77.5

GTEL Sample Number		05	06	07	08
Client Identification		MW-2-6	MW-2-11	MW-2-12	MW-2-15/5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/19/92	12/19/92	12/19/92	12/19/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		84.2	78.3	79.8	80.7

Client Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-256

Table 1 (Continued)

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		09	10	11	12
Client Identification		MW-4-5.5	MW-4-10.5	MW-4-12	MW-4-20.5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/19/92	12/19/92	12/19/92	12/19/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		77.9	76.2	77.6	85.5

GTEL Sample Number		13	14	15	16
Client Identification		MW-5-11	MW-5-15.5	MW-3-11	MW-3-12
Date Sampled		12/07/92	12/07/92	12/07/92	12/07/92
Date Extracted		12/16/92	12/16/92	12/16/92	12/16/92
Date Analyzed		12/19/92	12/19/92	12/19/92	12/19/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1
Percent solids		77.4	83.2	76	78.9

Client Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-256

Table 1 (Continued)

ANALYTICAL RESULTS

Total Petroleum Hydrocarbons as Diesel Fuel in Soil

Modified EPA Methods 3550/8015^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Results reported on a wet weight basis.

GTEL Sample Number		17	18		
Client Identification		MW-3-15	MW-3-25		
Date Sampled		12/07/92	12/07/92		
Date Extracted		12/16/92	12/16/92		
Date Analyzed		12/19/92	12/19/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Diesel	10	<10	<10		
Quantitation Limit Multiplier		1	1		
Percent solids		84.4	84.7		



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: 2633 Telegraph Ave.
Oakland, CA
Work Order Number: C2-12-258
Date Reissued 03-4-93

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

March 4, 1993

Mike 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 12/10/92, under chain of custody records 19953, 19954 and 19959.

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GTEL is certified by the California State Department of Health Services 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P.M." The signature is written in a cursive style with "Eileen F. Bullen" on top and "R.P.M." on the line below it.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1

ANALYTICAL RESULTS

Semi-Volatile Organics in Soil
EPA Method 8270^a

GTEL Sample Number		01	02	03	04
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	<300	<300	<300	<300
bis(2-Chloroethyl)ether	300	<300	<300	<300	<300
2-Chlorophenol	300	<300	<300	<300	<300
1,3-Dichlorobenzene	300	<300	<300	<300	<300
1,4-Dichlorobenzene	300	<300	<300	<300	<300
Benzyl alcohol	300	<300	<300	<300	<300
1,2-Dichlorobenzene	300	<300	<300	<300	<300
2-Methylphenol	300	<300	<300	<300	<300
bis-(2-Chloroisopropyl)ether	300	<300	<300	<300	<300
4-Methylphenol	300	<300	<300	<300	<300
N-Nitroso-di-propylamine	300	<300	<300	<300	<300
Hexachloroethane	300	<300	<300	<300	<300
Nitrobenzene	300	<300	<300	<300	<300
Isophorone	300	<300	<300	<300	<300
2-Nitrophenol	300	<300	<300	<300	<300
2,4-Dimethylphenol	300	<300	<300	<300	<300
Benzoic acid	1500	<1500	<1500	<1500	<1500
bis(2-Chloroethoxy)methane	300	<300	<300	<300	<300
2,4-Dichlorophenol	300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	300	<300	<300	<300	<300
Naphthalene	300	<300	1600	<300	<300
4-Chloroaniline	300	<300	<300	<300	<300
Hexachlorobutadiene	300	<300	<300	<300	<300
4-Chloro-3-methylphenol	300	<300	<300	<300	<300
2-Methylnaphthalene	300	<300	4500	<300	<300
Hexachlorocyclopentadiene	300	<300	<300	<300	<300
2,4,6-Trichlorophenol	300	<300	<300	<300	<300
2,4,5-Trichlorophenol	1500	<1500	<1500	<1500	<1500
2-Chloronaphthalene	300	<300	<300	<300	<300
2-Nitroaniline	1500	<1500	<1500	<1500	<1500
Dimethylphthalate	300	<300	<300	<300	<300
Acenaphthylene	300	<300	<300	<300	<300
3-Nitroaniline	1500	<1500	<1500	<1500	<1500
Acenaphthene	300	<300	<300	<300	<300
2,4-Dinitrophenol	1500	<1500	<1500	<1500	<1500

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

Table 1 (Continued)

ANALYTICAL RESULTS

**Semi-Volatile Organics in Soil
EPA Method 8270^a**

GTEL Sample Number		01	02	03	04
Client Identification		MW-2-6	MW-2-11	MW-2-12	MW-2-15.5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/21/92	12/22/92	12/22/92	12/22/92
Date Analyzed		12/28/92	12/28/92	12/28/92	12/28/92
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
4-Nitrophenol	1500	<1500	<1500	<1500	<1500
Dibenzofuran	300	<300	<300	<300	<300
2,4-Dinitrotoluene	300	<300	<300	<300	<300
2,6-Dinitrotoluene	300	<300	<300	<300	<300
Diethylphthalate	300	<300	<300	<300	<300
4-Chlorophenyl-phenylether	300	<300	<300	<300	<300
Fluorene	300	<300	<300	<300	<300
4-Nitroaniline	1500	<1500	<1500	<1500	<1500
4,6-Dinitro-2-methylphenol	1500	<1500	<1500	<1500	<1500
N-Nitrosodiphenylamine	300	<300	<300	<300	<300
4-Bromophenyl-phenylether	300	<300	<300	<300	<300
Hexachlorobenzene	300	<300	<300	<300	<300
Pentachlorophenol	1500	<1500	<1500	<1500	<1500
Phenanthrene	300	<300	470	<300	<300
Anthracene	300	<300	<300	<300	<300
Di-n-butylphthalate	300	<300	<300	<300	<300
Fluoranthene	300	<300	<300	<300	<300
Pyrene	300	<300	730	<300	580
Butylbenzylphthalate	300	<300	<300	<300	<300
3,3'-Dichlorobenzidine	600	<600	<600	<600	<600
Benzo(a)anthracene	300	<300	<300	<300	<300
bis(2-Ethylhexyl)phthalate	300	<300	<300	<300	<300
Chrysene	300	<300	<300	<300	<300
Di-n-octylphthalate	300	<300	<300	<300	<300
Benzo(b)fluoranthene	300	<300	<300	<300	<300
Benzo(k)fluoranthene	300	<300	<300	<300	<300
Benzidine	600	<600	<600	<600	<600
Benzo(a)pyrene	300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	300	<300	<300	<300	<300
Dibenz(a,h)anthracene	300	<300	<300	<300	<300
Benzo(g,h,i)perylene	300	<300	<300	<300	<300
Quantitation Limit Multiplier		1	1	1	1
Percent solids		84	78	79	80

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS

**Semi-Volatile Organics in Soil
EPA Method 8270^a**

GTEL Sample Number	05	06	07	08
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg		
Phenol	300	<300	<300	<300
bis(2-Chloroethyl)ether	300	<300	<300	<300
2-Chlorophenol	300	<300	<300	<300
1,3-Dichlorobenzene	300	<300	<300	<300
1,4-Dichlorobenzene	300	<300	<300	<300
Benzyl alcohol	300	<300	<300	<300
1,2-Dichlorobenzene	300	<300	<300	<300
2-Methylphenol	300	<300	<300	<300
bis-(2-Chloroisopropyl)ether	300	<300	<300	<300
4-Methylphenol	300	<300	<300	<300
N-Nitroso-di-propylamine	300	<300	<300	<300
Hexachloroethane	300	<300	<300	<300
Nitrobenzene	300	<300	<300	<300
Isophorone	300	<300	<300	<300
2-Nitrophenol	300	<300	<300	<300
2,4-Dimethylphenol	300	<300	<300	<300
Benzoic acid	1500	<1500	<1500	<1500
bis(2-Chloroethoxy)methane	300	<300	<300	<300
2,4-Dichlorophenol	300	<300	<300	<300
1,2,4-Trichlorobenzene	300	<300	<300	<300
Naphthalene	300	<300	980	<300
4-Chloroaniline	300	<300	<300	<300
Hexachlorobutadiene	300	<300	<300	<300
4-Chloro-3-methylphenol	300	<300	<300	<300
2-Methylnaphthalene	300	<300	1500	<300
Hexachlorocyclopentadiene	300	<300	<300	<300
2,4,6-Trichlorophenol	300	<300	<300	<300
2,4,5-Trichlorophenol	1500	<1500	<1500	<1500
2-Choronaphthalene	300	<300	<300	<300
2-Nitroaniline	1500	<1500	<1500	<1500
Dimethylphthalate	300	<300	<300	<300
Acenaphthylene	300	<300	<300	<300
3-Nitroaniline	1500	<1500	<1500	<1500
Acenaphthene	300	<300	<300	<300
2,4-Dinitrophenol	1500	<1500	<1500	<1500

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS

**Semi-Volatile Organics in Soil
EPA Method 8270^a**

GTEL Sample Number		05	06	07	08
Client Identification		MW-4-5.5	MW-4-10.5	MW-4-12	MW-4-20.5
Date Sampled		12/08/92	12/08/92	12/08/92	12/08/92
Date Extracted		12/22/92	12/22/92	12/22/92	12/21/92
Date Analyzed		12/28/92	12/28/92	12/28/92	12/28/92
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
4-Nitrophenol	1500	<1500	<1500	<1500	<1500
Dibenzofuran	300	<300	<300	<300	<300
2,4-Dinitrotoluene	300	<300	<300	<300	<300
2,6-Dinitrotoluene	300	<300	<300	<300	<300
Diethylphthalate	300	<300	<300	<300	<300
4-Chlorophenyl-phenylether	300	<300	<300	<300	<300
Fluorene	300	<300	<300	<300	<300
4-Nitroaniline	1500	<1500	<1500	<1500	<1500
4,6-Dinitro-2-methylphenol	1500	<1500	<1500	<1500	<1500
N-Nitrosodiphenylamine	300	<300	<300	<300	<300
4-Bromophenyl-phenylether	300	<300	<300	<300	<300
Hexachlorobenzene	300	<300	<300	<300	<300
Pentachlorophenol	1500	<1500	<1500	<1500	<1500
Phenanthrone	300	<300	<300	<300	<300
Anthracene	300	<300	<300	<300	<300
Di-n-butylphthalate	300	<300	<300	<300	13000*
Fluoranthene	300	<300	<300	<300	<300
Pyrene	300	<300	<300	<300	<300
Butylbenzylphthalate	300	<300	<300	<300	<300
3,3'-Dichlorobenzidine	600	<600	<600	<600	<600
Benzo(a)anthracene	300	<300	<300	<300	<300
bis(2-Ethylhexyl)phthalate	300	<300	<300	<300	<300
Chrysene	300	<300	<300	<300	<300
Di-n-octylphthalate	300	<300	<300	<300	<300
Benzo(b)fluoranthene	300	<300	<300	<300	<300
Benzo(k)fluoranthene	300	<300	<300	<300	<300
Benzidine	600	<600	<600	<600	<600
Benzo(a)pyrene	300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	300	<300	<300	<300	<300
Dibenz(a,h)anthracene	300	<300	<300	<300	<300
Benzo(g,h,i)perylene	300	<300	<300	<300	<300
Quantitation Limit Multiplier		1	1	1	1
Percent solids		77	76	77	85

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

* Compounds identified in the laboratory blank, possible laboratory contamination. Results for samples were blank subtracted.



Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS
Semi-Volatile Organics in Soil
EPA Method 8270^a

GTEL Sample Number		09	10	11	12
Client Identification		MW-5-11	MW-5-15.5	MW-3-11	MW-3-12
Date Sampled		12/07/92	12/07/92	12/07/92	12/07/92
Date Extracted		12/21/92	12/21/92	12/21/92	12/21/92
Date Analyzed		12/28/92	12/28/92	12/28/92	12/28/92
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	<300	<300	<300	<300
bis(2-Chloroethyl)ether	300	<300	<300	<300	<300
2-Chlorophenol	300	<300	<300	<300	<300
1,3-Dichlorobenzene	300	<300	<300	<300	<300
1,4-Dichlorobenzene	300	<300	<300	<300	<300
Benzyl alcohol	300	<300	<300	<300	<300
1,2-Dichlorobenzene	300	<300	<300	<300	<300
2-Methylphenol	300	<300	<300	<300	<300
bis-(2-Chloroisopropyl)ether	300	<300	<300	<300	<300
4-Methyphenol	300	<300	<300	<300	<300
N-Nitroso-di-propylamine	300	<300	<300	<300	<300
Hexachloroethane	300	<300	<300	<300	<300
Nitrobenzene	300	<300	<300	<300	<300
Isophorone	300	<300	<300	<300	<300
2-Nitrophenol	300	<300	<300	<300	<300
2,4-Dimethylphenol	300	<300	<300	<300	<300
Benzoic acid	1500	<1500	<1500	<1500	<1500
bis(2-Chloroethoxy)methane	300	<300	<300	<300	<300
2,4-Dichlorophenol	300	<300	<300	<300	<300
1,2,4-Trichlorobenzene	300	<300	<300	<300	<300
Naphthalene	300	<300	<300	<300	<300
4-Chloroaniline	300	<300	<300	<300	<300
Hexachlorobutadiene	300	<300	<300	<300	<300
4-Chloro-3-methylphenol	300	<300	<300	<300	<300
2-Methylnaphthalene	300	<300	<300	<300	420
Hexachlorocyclopentadiene	300	<300	<300	<300	<300
2,4,6-Trichlorophenol	300	<300	<300	<300	<300
2,4,5-Trichlorophenol	1500	<1500	<1500	<1500	<1500
2-Chloronaphthalene	300	<300	<300	<300	<300
2-Nitroaniline	1500	<1500	<1500	<1500	<1500
Dimethylphthalate	300	<300	<300	<300	<300
Acenaphthylene	300	<300	<300	<300	<300
3-Nitroaniline	1500	<1500	<1500	<1500	<1500
Acenaphthene	300	<300	<300	<300	<300
2,4-Dinitrophenol	1500	<1500	<1500	<1500	<1500

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued: 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS

**Semi-Volatile Organics in Soil
EPA Method 8270^a**

GTEL Sample Number		09	10	11	12
Client Identification		MW-5-11	MW-5-15.5	MW-3-11	MW-3-12
Date Sampled		12/07/92	12/07/92	12/07/92	12/07/92
Date Extracted		12/21/92	12/21/92	12/21/92	12/21/92
Date Analyzed		12/28/92	12/28/92	12/28/92	12/28/92
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
4-Nitrophenol	1500	<1500	<1500	<1500	<1500
Dibenzofuran	300	<300	<300	<300	<300
2,4-Dinitrotoluene	300	<300	<300	<300	<300
2,6-Dinitrotoluene	300	<300	<300	<300	<300
Diethylphthalate	300	<300	<300	<300	<300
4-Chlorophenyl-phenylether	300	<300	<300	<300	<300
Fluorene	300	<300	<300	<300	<300
4-Nitroaniline	1500	<1500	<1500	<1500	<1500
4,6-Dinitro-2-methylphenol	1500	<1500	<1500	<1500	<1500
N-Nitrosodiphenylamine	300	<300	<300	<300	<300
4-Bromophenyl-phenylether	300	<300	<300	<300	<300
Hexachlorobenzene	300	<300	<300	<300	<300
Pentachlorophenol	1500	<1500	<1500	<1500	<1500
Phenanthrene	300	<300	<300	<300	<300
Anthracene	300	<300	<300	<300	<300
Di-n-butylphthalate	300	<300	<300	3100*	2800*
Fluoranthene	300	<300	<300	<300	<300
Pyrene	300	<300	<300	<300	<300
Butylbenzylphthalate	300	<300	<300	<300	<300
3,3'-Dichlorobenzidine	600	<600	<600	<600	<600
Benzo(a)anthracene	300	<300	<300	<300	<300
bis(2-Ethylhexyl)phthalate	300	<300	<300	2200*	1900*
Chrysene	300	<300	<300	<300	<300
Di-n-octylphthalate	300	<300	<300	<300	<300
Benzo(b)fluoranthene	300	<300	<300	<300	<300
Benzo(k)fluoranthene	300	<300	<300	<300	<300
Benzidine	600	<600	<600	<600	<600
Benzo(a)pyrene	300	<300	<300	<300	<300
Indeno(1,2,3-cd)pyrene	300	<300	<300	<300	<300
Dibenz(a,h)anthracene	300	<300	<300	<300	<300
Benzo(g,h,i)perylene	300	<300	<300	<300	<300
Quantitation Limit Multiplier		1	1	1	1
Percent solids		77	83	76	78

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

* Compounds identified in the laboratory blank, possible laboratory contamination. Results for samples were blank subtracted.



Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS
Semi-Volatile Organics in Soil
EPA Method 8270^a

GTEL Sample Number		13	14		
Client Identification		MW-3-15	MW-3-25		
Date Sampled		12/07/92	12/07/92		
Date Extracted		12/21/92	12/21/92		
Date Analyzed		12/28/92	12/28/92		
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg			
Phenol	300	<300	<300		
bis(2-Chloroethyl)ether	300	<300	<300		
2-Chlorophenol	300	<300	<300		
1,3-Dichlorobenzene	300	<300	<300		
1,4-Dichlorobenzene	300	<300	<300		
Benzyl alcohol	300	<300	<300		
1,2-Dichlorobenzene	300	<300	<300		
2-Methylphenol	300	<300	<300		
bis-(2-Chloroisopropyl)ether	300	<300	<300		
4-Methylphenol	300	<300	<300		
N-Nitroso-di-propylamine	300	<300	<300		
Hexachloroethane	300	<300	<300		
Nitrobenzene	300	<300	<300		
Isophorone	300	<300	<300		
2-Nitrophenol	300	<300	<300		
2,4-Dimethylphenol	300	<300	<300		
Benzoic acid	1500	<1500	<1500		
bis(2-Chloroethoxy)methane	300	<300	<300		
2,4-Dichlorophenol	300	<300	<300		
1,2,4-Trichlorobenzene	300	<300	<300		
Naphthalene	300	<300	<300		
4-Chloroaniline	300	<300	<300		
Hexachlorobutadiene	300	<300	<300		
4-Chloro-3-methylphenol	300	<300	<300		
2-Methylnaphthalene	300	<300	<300		
Hexachlorocyclopentadiene	300	<300	<300		
2,4,6-Trichlorophenol	300	<300	<300		
2,4,5-Trichlorophenol	1500	<1500	<1500		
2-Choronaphthalene	300	<300	<300		
2-Nitroaniline	1500	<1500	<1500		
Dimethylphthalate	300	<300	<300		
Acenaphthylene	300	<300	<300		
3-Nitroaniline	1500	<1500	<1500		
Acenaphthene	300	<300	<300		
2,4-Dinitrophenol	1500	<1500	<1500		

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

Client Number: GTI72SRS01
 Consultant Project Number: 020503392
 Project ID: 2633 Telegraph Ave.
 Oakland, CA
 Work Order Number: C2-12-258
 Date Reissued 03-4-93

Table 1 (Continued)

ANALYTICAL RESULTS

**Semi-Volatile Organics in Soil
EPA Method 8270^a**

GTEL Sample Number		13	14	
Analyte	Detection Limit, ug/Kg	Concentration, ug/Kg		
4-Nitrophenol	1500	<1500	<1500	
Dibenzofuran	300	<300	<300	
2,4-Dinitrotoluene	300	<300	<300	
2,6-Dinitrotoluene	300	<300	<300	
Diethylphthalate	300	<300	<300	
4-Chlorophenyl-phenylether	300	<300	<300	
Fluorene	300	<300	<300	
4-Nitroaniline	1500	<1500	<1500	
4,6-Dinitro-2-methylphenol	1500	<1500	<1500	
N-Nitrosodiphenylamine	300	<300	<300	
4-Bromophenyl-phenylether	300	<300	<300	
Hexachlorobenzene	300	<300	<300	
Pentachlorophenol	1500	<1500	<1500	
Phenanthrrene	300	<300	<300	
Anthracene	300	<300	<300	
Di-n-butylphthalate	300	<300	4800*	
Fluoranthene	300	<300	<300	
Pyrene	300	<300	<300	
Butylbenzylphthalate	300	<300	<300	
3,3'-Dichlorobenzidine	600	<600	<600	
Benzo(a)anthracene	300	<300	<300	
bis(2-Ethylhexyl)phthalate	300	<300	<300	
Chrysene	300	<300	<300	
Di-n-octylphthalate	300	<300	<300	
Benzo(b)fluoranthene	300	<300	<300	
Benzo(k)fluoranthene	300	<300	<300	
Benzidine	600	<600	<600	
Benzo(a)pyrene	300	<300	<300	
Indeno(1,2,3-cd)pyrene	300	<300	<300	
Dibenz(a,h)anthracene	300	<300	<300	
Benzo(g,h,i)perylene	300	<300	<300	
Quantitation Limit Multiplier		1	1	
Percent solids		84	84	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3550. Results reported on a dry weight basis.

* Compounds identified in the laboratory blank, possible laboratory contamination. Results for samples were blank subtracted.



Company Name: *Groundwater Technology Inc* Phone #: *510 671-2387*

FAX #: *685-9148*

Site location: *2633 Telegraph Ave.*

Company Address: *1057 Port Chicago Hwy Concord Oakland, CA*

Client Project ID: (#) *020503392*

Object Manager:

Mike Wray

(NAME) *Sears*

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print): *Ken Johnson*

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix		Method Preserved		Sampling		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 8010X	EPA 602 □ EPA 600 □	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 TLC □ STLC □	Organic Lead □	Corrosivity □ Flash Point □ Reactivity □	Lead 239.2 □ 200.7 □ 7420 □ 7421 □ 6010X (Total) □	Total by EPA 5520 series (DTF) □	Hold □
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER																							
NW-2-15.5		1	X						X	12/8/92 11:15	XX						X														
NW-2-20.5		1	X						X	↓ 1125																			X		
NW-4-5.5		1	X						X		240	XX						X											X		
NW-4-10.5		1	X						X		250	XX						X											X		
NW-4-11		1	X						X		260																		X		
NW-4-12		1	X						X		300	XX						X										X			
NW-4-15.5		1	X						X		305																	X			
NW-4-20.5		1	X						X		310	XX						X										X			
NW-4-22.5		1	X						X	↓ 315								X										X			

TAT

Special Handling

SPECIAL DETECTION LIMITS

REMARKS

2083

On EPA 8270 scan please note also:
PCBs, PCPs, PNAs & Grease - per
Quotation No QC 920092 (10/18/92)

Priority (24 hr)

GTEL Contact

Expedited (48 hr)

Quote/Contract # *National Contract*

7 Business Days

Confirmation #

Other Standard 2 week

PO #

Business Days

QA / QC LEVEL

SPECIAL REPORTING REQUIREMENTS

Lab Use Only Lot #

Storage Location:

BLUE CLP

OTHER _____

FAX

Work Order #

Relinquished by Sampler:

Kennedy

Date 12/10/92 11:15 Time

Received by:

Relinquished by:

Date Time

Received by:

Relinquished by:

Date 12/11/92 11:15 Time

Received by Laboratory:

Marilyn Blair

Waybill #

Phase II Assessment Report
Sears, 2633 Telegraph Ave., San Jose, CA

March 24, 1993

APPENDIX C
WELL PURGING DATA



TECHNOLOGY, INC.

SEARS

PROJECT NAME: ~~SEARCH~~ 2633 Telegraph
JOB NUMBER: 020503392.6104
SITE ADDRESS: OAKLAND, CA

DATE: 12-30-92

PAGE 1 OF 15

PROJECT MANAGER :

Mike Wray

Last Report 14 Feb 91

WELL ID. MW-5
WELL DIA. 11 3/4"

PTW MEASUREMENTS

INITIAL = B

RECHARGE =

CALC. WELL VOLUME =

WELL VOLUME 3 = 12 ml

PUROB METHOD :

PUMP DEPTH

INSTRUMENTS USED:

PERISTALTIC

~~X~~ HAND BAILED

© 2005 McGraw-Hill Ryerson

GEAR DRIVE

AIR LIFT

WILLIAMS BROS. LTD.

SUBMERSIBLE

OTHER

ANSWER



TECHNOLOGY, INC.

PROJECT NAME: *SEARS* 2633 Telegraph
JOB NUMBER: 020503392.6104
SITE ADDRESS: OAKLAND, CA

DATE: 12-30-92

PAGE 2 OF 15

PROJECT MANAGER :

Mike Wray

Last Report #: 14 Feb 91

WELL ID. MW-4
WELL DIA 12

DTW MEASUREMENTS

INDIA'S
BUDGET

RECHARGE =

CALC. WELL VOLUME =

WELL VOLUME 3

PURGE METHOD :

PUMP DEPTH

INSTRUMENTS USED -

PERISTALTIC

~~HAND PAINTED~~

TSI 3650 PH/C/numbo OMEGA COND

GEAR DRIVE

AIR LINES

HYPAC PHCT/wb6 RBT-1SC TURBID

CLERK DRIVE
SUMMERSIDE

— PER 14 —

ОМВДА НГС

OMBIA PH/C — OTHER —



TECHNOLOGY, INC.

PROJECT NAME: 2633 Telegraph
JOB NUMBER: 020503392.6104
SITE ADDRESS: OAKLAND, CA

DATE: 12-30-92

PAGE 3 OF 15

PROJECT MANAGER :

Mike Wray

Last Report: 14 Feb 97

WELL ID. MW-2
WELL DIA. 2

RTW MEASUREMENTS

CALC. VELL. VOLUME -

INITIAL =

WELL VOLUME 1 = 7 ml

RECHARGE =

PURGE METHOD:

PUMP DEPTH

INSTRUMENTS USED:

PERISTALTIC

HAND PAINTED

© 1985/86 OMEGA CARD

GEAR DRIVE

AIR LIFT

—HORN— **BBB 162** **TRUMPET**

SUMMERBIBLE

— 6 —

ANSWER



TECHNOLOGY, INC.

sears

PROJECT NAME: 2633 Telegraph
JOB NUMBER: 020503392.6104
SITE ADDRESS: OAKLAND, CA

DATE: 12-30-92

PAGE 4 OF 5

PROJECT MANAGER -

Mike Wray

Last Page of 13 Feb 91

WELL LD. MW-1

WELL DIA.

RTW MEASUREMENTS

INITIAL =

RECHARGE = _____ m

CALC. WELL VOLUME =

WELL VOLUME

PURGE METHOD :

PUMP DEPTH ft

INSTRUMENTS USED:

PERISTALTIC

HAND PAINTED

ОМВДА СОНД

GEAR DRIVE

AIR LIFT

HYDAC PHCF/mbo

SUBMERSIBLE

OTHER

OTHER



THE VILLAGE TECHNOLOGY, INC.

PROJECT NAME: *SEARS* 2633 Telegraph
JOB NUMBER: 020503342.6104
SITE ADDRESS: OAKLAND, CA

DATE: 12-30-92

PAGE 5 OF 5

PROJECT MANAGER -

Mike Wray

Last Received 14 Feb 21

~~ALL LD MW-3~~

DIV MEASUREMENTS

SAC-1000-1000-A

WELL DIA 2

INITIAL σ

INCHES - VOLUME -

RECHARGE

1

PURGE METHOD:

PUMP DEPTH

INSTRUMENTS USED

REFINANCING

HAND PAINTED

INSTRUMENTS USED:

PERISTALTIC SEAL PUMP

HAND **MADE**

pH/C/mbro ____ OMBRA COND.

GEAR DRIVE

AIR LIFT

pH/T/F/umbo DRT-150

GROUNDWATER GAUGING FORM

JOB NAME: Sears/Telegraph Ave.

JOB NUMBER: 020503392.6104

IP#: _____

DATE: 12-30-92

MEASURED TO TOC OR GRADE?

Phase II Assessment Report
Sears, 2633 Telegraph Ave., San Jose, CA

March 24, 1993

APPENDIX D

**LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS
FOR GROUNDWATER SAMPLES**



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-005
Date Reissued: 02-24-93

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

February 25, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody records 72-13310, 72-13311, 72-13343 and 72-13344.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen".

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-005
Date Reissued: 02-24-93

Table 1
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		MW-5	MW-2	MW-3	MW-4
Date Sampled		12/30/92	12/30/92	12/30/92	12/30/92
Date Analyzed		01/08/93	01/08/93	01/11/93	01/08/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	0.7	11	2
Toluene	0.3	<0.3	<0.3	0.9	<0.3
Ethylbenzene	0.3	<0.3	<0.3	<0.3	1
Xylene, total	0.5	<0.5	3	2	<0.5
BTEX, total	--	--	4	14	3
Gasoline	10	37	190	910	1200
Detection Limit Multiplier		1	1	1	1

- 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.



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-006

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

January 15, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody record 72-13343.

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 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.

A handwritten signature in black ink, appearing to read "Eileen F. Bullen, R.P.M." The signature is fluid and cursive, with "Eileen F. Bullen" on top and "R.P.M." on the line below.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-006

Table 1
ANALYTICAL RESULTS
Aromatic Volatile Organics in Water
EPA Methods 5030 and 8020a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL Sample Number		01			
Client Identification		MW-1			
Date Sampled		12/30/92			
Date Analyzed		01/08/93			
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	1			
Toluene	0.3	1			
Ethylbenzene	0.3	2			
Xylene, total	0.5	2			
BTEX, total	-	6			
Detection Limit Multiplier		1			



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-007

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

January 13, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody records 72-13310, 72-13311, 72-13343 and 72-13344.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P." The signature is fluid and cursive.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-007

Table 1
ANALYTICAL RESULTS
Total Petroleum Hydrocarbons as Diesel in Water
Modified EPA Methods 3510/8015^a

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986.

GTEL Sample Number	01	02*	03*	04*
Client Identification	MW-5	MW-2	MW-1	MW-3
Date Sampled	12/30/92	12/30/92	12/30/92	12/30/92
Date Extracted	01/06/93	01/06/93	01/06/93	01/06/93
Date Analyzed	01/10/93	01/10/93	01/10/93	01/10/93
Analyte	Detection Limit, ug/L	Concentration, ug/L		
Diesel	10	<10	<10	<10
Quantitation Limit Multiplier	1	1	1	1

GTEL Sample Number	05*			
Client Identification	MW-4			
Date Sampled	12/30/92			
Date Extracted	01/06/93			
Date Analyzed	01/10/93			
Analyte	Detection Limit, ug/L	Concentration, ug/L		
Diesel	10	<10		
Quantitation Limit Multiplier	1			

* Hydrocarbons are present, but not indicative of diesel.



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-009

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

January 13, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody records 72-13310, 72-13311, 72-13343 and 72-13344.

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 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.

A handwritten signature in black ink, appearing to read "Eileen F. Bullen/RW". The signature is fluid and cursive, with "Eileen F." on top and "Bullen/RW" on the line below.

Eileen F. Bullen
Laboratory Director

Table 1

ANALYTICAL RESULTS

Semi-Volatile Organics in Water

EPA Method 8270^a/625^b

GTEL Sample Number		01	02	03	04
Client Identification		MW-5	MW-2	MW-3	MW-4
Date Sampled		12/30/92	12/30/92	12/30/92	12/30/92
Date Extracted		01/05/93	01/05/93	01/05/93	01/05/93
Date Analyzed		01/06/93	01/06/93	01/06/93	01/06/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Phenol	10	<10	<10	<10	<10
bis(2-Chloroethyl)ether	10	<10	<10	<10	<10
2-Chlorophenol	10	<10	<10	<10	<10
1,3-Dichlorobenzene	10	<10	<10	<10	<10
1,4-Dichlorobenzene	10	<10	<10	<10	<10
Benzyl alcohol	10	<10	<10	<10	<10
1,2-Dichlorobenzene	10	<10	<10	<10	<10
2-Methyphenol	10	<10	<10	<10	<10
bis-(2-Chloroisopropyl)ether	10	<10	<10	<10	<10
4-Methylphenol	10	<10	<10	<10	<10
N-Nitroso-di-propylamine	10	<10	<10	<10	<10
Hexachloroethane	10	<10	<10	<10	<10
Nitrobenzene	10	<10	<10	<10	<10
Isophorone	10	<10	<10	<10	<10
2-Nitrophenol	10	<10	<10	<10	<10
2,4-Dimethylphenol	10	<10	<10	<10	<10
Benzoic acid	50	<50	<50	<50	<50
bis(2-Chloroethoxy)methane	10	<10	<10	<10	<10
2,4-Dichlorophenol	10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	10	<10	<10	<10	<10
Naphthalene	10	<10	<10	<10	<10
4-Chloroaniline	10	<10	<10	<10	<10
Hexachlorobutadiene	10	<10	<10	<10	<10
4-Chloro-3-methylphenol	10	<10	<10	<10	<10
2-Methylnaphthalene	10	<10	<10	14	<10
Hexachlorocyclopentadiene	10	<10	<10	<10	<10
2,4,6-Trichlorophenol	10	<10	<10	<10	<10
2,4,5-Trichlorophenol	50	<50	<50	<50	<50
2-Chloronaphthalene	10	<10	<10	<10	<10
2-Nitroaniline	50	<50	<50	<50	<50
Dimethylphthalate	10	<10	<10	<10	<10
Acenaphthylene	10	<10	<10	<10	<10
3-Nitroaniline	50	<50	<50	<50	<50
Acenaphthene	10	<10	<10	<10	<10

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3510.
 b. Federal Register, Vol. 49, October 26, 1984. Sample extraction by EPA Method 3510.

Table 1 (Continued)

ANALYTICAL RESULTS

Semi-Volatile Organics in Water

EPA Method 8270^a/625^b

GTEL Sample Number		01	02	03	04
Client Identification		MW-5	MW-2	MW-3	MW-4
Date Sampled		12/30/92	12/30/92	12/30/92	12/30/92
Date Extracted		01/05/93	01/05/93	01/05/93	01/05/93
Date Analyzed		01/06/93	01/06/93	01/06/93	01/06/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
2,4-Dinitrophenol	50	<50	<50	<50	<50
4-Nitrophenol	50	<50	<50	<50	<50
Dibenzofuran	10	<10	<10	<10	<10
2,4-Dinitrotoluene	10	<10	<10	<10	<10
2,6-Dinitrotoluene	10	<10	<10	<10	<10
Diethylphthalate	10	<10	<10	<10	<10
4-Chlorophenyl-phenylether	10	<10	<10	<10	<10
Fluorene	10	<10	<10	<10	<10
4-Nitroaniline	50	<50	<50	<50	<50
4,6-Dinitro-2-methylphenol	50	<50	<50	<50	<50
N-Nitrosodiphenylamine	10	<10	<10	<10	<10
4-Bromophenyl-phenylether	10	<10	<10	<10	<10
Hexachlorobenzene	10	<10	<10	<10	<10
Pentachlorophenol	50	<50	<50	<50	<50
Phenanthrene	10	<10	<10	<10	<10
Anthracene	10	<10	<10	<10	<10
Di-n-butylphthalate	10	<10	<10	<10	<10
Fluoranthene	10	<10	<10	<10	<10
Pyrene	10	<10	<10	<10	<10
Butylbenzylphthalate	10	<10	<10	<10	<10
3,3'-Dichlorobenzidine	20	<20	<20	<20	<20
Benzo(a)anthracene	10	<10	<10	<10	<10
bis(2-Ethylhexyl)phthalate	10	<10	<10	<10	<10
Chrysene	10	<10	<10	<10	<10
Di-n-octylphthalate	10	<10	<10	<10	<10
Benzo(b)fluoranthene	10	<10	<10	<10	<10
Benzo(k)fluoranthene	10	<10	<10	<10	<10
Benzidine	20	<20	<20	<20	<20
Benzo(a)pyrene	10	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	10	<10	<10	<10	<10
Dibenz(a,h)anthracene	10	<10	<10	<10	<10
Benzo(g,h,i)perylene	10	<10	<10	<10	<10
Quantitation Limit Multiplier		1	1	1	1

- a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Sample extraction by EPA Method 3510.
- b. Federal Register, Vol. 49, October 26, 1984. Sample extraction by EPA Method 3510.



Client Number: GTI72SRS01
Consultant Project Number: 02053392
Project ID: Oakland, CA
Work Order Number: C3-01-010

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

January 13, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody records 72-13310, 72-13311, 72-13343, and 72-13344.

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 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.

A handwritten signature in black ink, appearing to read "Eileen F. Bullen, P.M." The signature is fluid and cursive, with "Eileen F. Bullen" on top and "P.M." on the line below, enclosed in a small flourish.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 02053392
Project ID: Oakland, CA
Work Order Number: C3-01-010

Table 1
ANALYTICAL RESULTS
Total Petroleum Hydrocarbons in Water*
by Infrared Spectrometry
EPA Method 418.1¹(SM 5520 FC²)

1. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-202, Revised March 1983, U.S. Environmental Protection Agency.
2. Standard Methods for the Examination of Water and Wastewater, 17th ed., 1989, American Public Health Association.

GTEL Sample Number	01	02	03	04
Client Identification	MW-5	MW-2	MW-1	MW-3
Date Sampled	12/30/92	12/30/92	12/30/92	12/30/92
Date Prepared	01/06/93	01/06/93	01/06/93	01/06/93
Date Analyzed	01/06/93	01/06/93	01/06/93	01/06/93
Analyte	Detection Limit, mg/L	Concentration, mg/L		
Total petroleum hydrocarbons	1	<1	1	1
Quantitation Limit Multiplier		1	1	1

GTEL Sample Number	05			
Client Identification	MW-4			
Date Sampled	12/30/92			
Date Prepared	01/06/93			
Date Analyzed	01/06/93			
Analyte	Detection Limit, mg/L	Concentration, mg/L		
Total petroleum hydrocarbons	1	<1		
Quantitation Limit Multiplier		1		

* Analysis for Total Petroleum Hydrocarbons in Water by Infrared Spectrometry was run per conversation with client on 01/05/93.



Northwest Region

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-011

January 13, 1993

Debbie Horner/Mike 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 12/31/92, under chain of custody records 72-13310, 72-13311 and 72-13343.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P." The signature is fluid and cursive, with "Eileen F. Bullen" on top and "R.P." on the bottom right.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-011

Table 1
ANALYTICAL RESULTS
Lead in Water by Graphite Furnace AA
EPA Methods 239.21¹/7421²/3020³

GTEL Sample Number	01	02	03	
Client Identification	MW-2	MW-3	MW-4	
Date Sampled	12/30/92	12/30/92	12/30/92	
Date Prepared	01/05/93	01/05/93	01/05/93	
Date Analyzed	01/06/93	01/06/93	01/06/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L		
Lead, total	5	<5	<5	<5
Detection Limit Multiplier		1	1	1

1. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, March 1983.
2. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, November 1986.
3. Sample preparation by EPA Method 3020.



Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-012

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

January 15, 1993

Debbie Horner/Mike 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 12/3/92, under chain of custody record 72-13344.

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 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.

A handwritten signature in black ink that reads "Eileen F. Bullen, R.P." The signature is written in a cursive style with a large, stylized 'E' at the beginning.

Eileen F. Bullen
Laboratory Director

Client Number: GTI72SRS01
Consultant Project Number: 020503392
Project ID: Oakland, CA
Work Order Number: C3-01-012

ANALYTICAL RESULTS

Matrix: Water

Sample Number					01			
Sample Identification					MW-5			
Date Sampled					12/30/92			
Test Description	Units	Detection Limit	Method	Date Analyzed	Test Result			
Cadmium	ug/L	5	EPA 6010	01/07/93	<5			
Chromium	ug/L	10	EPA 6010	01/07/93	<10			
Lead, total	ug/L	5	EPA 6010	01/07/93	5			
Nickel	ug/L	15	EPA 6010	01/07/93	<15			
Zinc	ug/L	20	EPA 6010	01/07/93	<20			

Note: Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.



4080-Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

Project Manager:

Debbie Horner / Mike Wherry

Phone #: 671-2387
FAX #: 685-9148

Address:

GTEL, Concord

Project Number:

020503392 - 6104

Site location:

Oakland, CA

Project Name:

Sears / Telegraph

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print):

Grey MASON

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix	Method Preserved	Sampling	TIME
TRIP PLANK	D1	2Y	X				12/30
MW-5		2Y	X				
MW-5		2Y	X				
MW-5		2Y	X				
MW-5		1B1	X				
MW-5		1B1	X				
MW-5		1B1	X				
MW-5		2	X				

SPECIAL HANDLING

 24 HOURS EXPEDITED 48 Hours SEVEN DAY

OTHER _____ (#) BUSINESS DAYS

QA/QC CLP Level Blue Level FAX

SPECIAL DETECTION LIMITS (Specify)

10⁴10⁴

Sample for Pb, Cd, Cr, Ni + Zn
REMARKS: analysis is unacidified,
Please Filter.

8270 LF7 as per
Phototube # QC920082

Lab Use Only Storage LocationLot #: Work Order #:CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST

72-13344

CUSTODY RECORD

ANALYSIS REQUEST

<input type="checkbox"/> BTEX 602	<input type="checkbox"/> 8020	<input type="checkbox"/> with MTBE	<input type="checkbox"/> □
<input type="checkbox"/> BTEX/TPH Gas	<input type="checkbox"/> 602/8015	<input type="checkbox"/> 8020/8015	<input checked="" type="checkbox"/> (MTBE) <input type="checkbox"/>
<input type="checkbox"/> TPH as Diesel	<input type="checkbox"/> Jet Fuel	<input type="checkbox"/> □	<input type="checkbox"/> □
<input type="checkbox"/> Product I.D. by GC (SIMDIS)	<input type="checkbox"/> □	<input type="checkbox"/> □	<input type="checkbox"/> □
<input type="checkbox"/> Total Oil & Grease	<input type="checkbox"/> 413.1	<input type="checkbox"/> 413.2	<input type="checkbox"/> 503A
<input type="checkbox"/> Total Petroleum Hydrocarbons	<input type="checkbox"/> 418.1	<input type="checkbox"/> 503E	<input type="checkbox"/> □
<input type="checkbox"/> EPA 601	<input type="checkbox"/> 8010	<input type="checkbox"/> DCA only	<input type="checkbox"/> □
<input type="checkbox"/> EPA 602	<input type="checkbox"/> 8020	<input type="checkbox"/> □	<input type="checkbox"/> □
<input type="checkbox"/> EPA 608	<input type="checkbox"/> 8080	<input type="checkbox"/> PCBs only	<input type="checkbox"/> □
<input type="checkbox"/> EPA 610	<input type="checkbox"/> 8310	<input type="checkbox"/> □	<input type="checkbox"/> □
<input type="checkbox"/> EPA 624	<input type="checkbox"/> 8240	<input type="checkbox"/> NBS +15	<input type="checkbox"/> □
<input type="checkbox"/> EPA 625	<input type="checkbox"/> 8270	<input checked="" type="checkbox"/> 4LF7	<input type="checkbox"/> NBS +25
<input type="checkbox"/> EPTOX 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"/> □
<input type="checkbox"/> EPA Priority Pollutant Metals	<input type="checkbox"/> HSL	<input type="checkbox"/> □	<input type="checkbox"/> □
<input type="checkbox"/> LEAD	<input type="checkbox"/> 7420	<input type="checkbox"/> 7421	<input type="checkbox"/> 2392
<input type="checkbox"/> CAM Metals	<input type="checkbox"/> STLC	<input type="checkbox"/> TTLC	<input type="checkbox"/> □
<input type="checkbox"/> Corrosivity	<input type="checkbox"/> Flashpoint	<input type="checkbox"/> Reactivity	<input type="checkbox"/> □
<input type="checkbox"/> Total Oil & Grease	<input type="checkbox"/> 5520	<input type="checkbox"/> D+P	<input type="checkbox"/> F
<input type="checkbox"/> Total dissolved Lead, Cd, Cr, Ni, Zn	<input type="checkbox"/> □	<input type="checkbox"/> □	<input type="checkbox"/> □

Date	12/31	Time	Received by:
Date		Time	Received by Laboratory:
Date		Time	Way bill #:
Date		Time	Handwritten Signature

call Lew Johnson w/ an
questions
per mt.

Relinquished by Sampler:

Relinquished by:

Relinquished by:

Relinquished by:

11/21/93 RGC

ANALYSIS REQUEST

Project Manager:

Debbie Horner/Mike Wray

Phone #: 671-2387

FAX #: 685-9148

Address:

GTI, Concord

Site location:

Oakland, CA

Project Number:

020503392 -6104

Project Name:

Sears / Telegraph

I attest that the proper field sampling
procedures were used during the collection
of these samples.

Sampler Name (Print):

Greg MASON

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix	Method Preserved	Sampling	TESTS REQUESTED										
							WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	NONE	OTHER
MW-2	02	22	2	X	X	X											
MW-2	21	21	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	21	21	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	11R	11R	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	11	11	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	11	11	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	11	11	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X

SPECIAL HANDLING

 24 HOURS EXPEDITED 48 Hours SEVEN DAY

OTHER _____ (#) BUSINESS DAYS

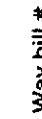
QA/QC CLP Level Blue Level FAX

SPECIAL DETECTION LIMITS (Specify)

2/18/4

SPECIAL REPORTING REQUIREMENTS
(Specify)

REMARKS:

Lab Use Only Storage Location Lot #: Work Order #: Relinquished by: Relinquished by: Relinquished by: Date: 12/31 Time: Received by: Date: Time: Received by: Date: Time: Received by: Way bill #: Way bill #: Way bill #: 

1/12/92 PCC



4080- Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

Project Manager:

Debbie Horner/Mike Wray

Phone #: 671-2387

FAX #: 685-9148

Address:

GTI, Concord

Site location:

Oakland, Calif.

Project Number:

020503392-6104

Project Name:

Sears / Telegraph

I attest that the proper field sampling procedures were used during the collection of these samples.

Sampler Name (Print):

Greg MASON

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	# CONTAINERS	Matrix	Method Preserved	Sampling	TIME
			WATER	SOIL	ICE	Diesel	DATE
			HNO ₃	H ₂ SO ₄	NONE	Jet Fuel	TIME
MW-1		03	X	X	X	X	12/30/92
MW-1			X	X	X	X	
MW-1		04	X	X	X	X	
MW-3			X	X	X	X	
MW-3			X	X	X	X	
MW-3			X	X	X	X	
MW-3 D/LP			X	X	X	X	
MW-3			X	X	X	X	
MW-3			X	X	X	X	
MW-3			X	X	X	X	

SPECIAL HANDLING

24 HOURS EXPEDITED 48 Hours SEVEN DAY

OTHER _____ (#) BUSINESS DAYS

QA/QC CLP Level Blue Level FAX

SPECIAL DETECTION LIMITS (Specify)

384

SPECIAL REPORTING REQUIREMENTS (Specify)

Sample for Total Dissolved LEAD is
REMARKS: Unacidified - please
filter.

8270 LUFT as per
Quotation # QC920082

Lab Use Only Storage Location

Lot #: Work Order #:

CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST 72- 13343

CUSTODY RECORD

Received by Sampler:
Reinquished by:
Reinquished by:

Date 12/3 | Time | Received by:
Date 12/3 | Time | Received by:
Date 12/3 | Time | Received by:

Way bill #

1/12/93
PAC



4080-Pike Lane
Concord, CA 94520
415-685-7852

800-544-3422 (In CA)
800-423-7143 (Outside CA)

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

72-13311

CUSTODY RECORD

Project Manager:

Debbie Horner / Mike Way

Phone #: 671-2387

FAX #: 685-9148

Address:

GTI, Concord

Project Number:

020509392 - 6104

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	Source of Sample	GTEL Lab # (Lab use only)	* CONTAINERS				Sampling TIME
			WATER	SOIL	AIR	SLUDGE	
MW-4	OS	1L	X				
MW-4		2L	X				
MW-4		2L	X				
MW-4		1L	X				
MW-4		1L	X				
MW-4		1L	X				
MW-4		1L	X				

SPECIAL HANDLING

24 HOURS

EXPEDITED 48 Hours

SEVEN DAY

OTHER _____ (#) BUSINESS DAYS

QA/QC CLP Level Blue Level

FAX

SPECIAL DETECTION LIMITS (Specify)

4084

**SPECIAL REPORTING REQUIREMENTS
(Specify)**

Sample for total dissolved
REMARKS: LEAD is unacidified -
please FILTER.
8270 LUFT is per Quotation
#QC920082

Lab Use Only Storage Location

Lot #: Work Order #:

Received by:
Date: 12/3/94

Received by:
Date: 12/3/94

Received by:
Date: 12/3/94

Received by:
Date: 12/3/94

11/21/94



Southwest Region

20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

GTEL Client Number: 020503392.6104
Project I.D.: Sears
Telegraph Rd.
Oakland
Work Order Number: T301005

January 13, 1993

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

Dear Mr. Wray,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 1-5-93 under chain-of-custody record 18436.

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 state of California under Certification #E723.

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.

A handwritten signature in black ink, appearing to read "Minsoon Song". It is positioned above a typed name and title.

Minsoon Song
Laboratory Director

GTEL Client Number: 020503392.6104
 Project I.D.: Sears
 Telegraph Rd.
 Oakland
 Work Order Number: T301005

ANALYTICAL RESULTS

Volatile Organics in Water EPA Method 601^a

GTEL Sample Number		01005-1A	01005-2A	01005-3A	01005-4A
Client Identification		Trip Blank	MW-5	MW-2	MW-3
Date Sampled		12-30-92	12-30-92	12-30-92	12-30-92
Date Analyzed		1-5-93	1-5-93	1-5-93	1-5-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Bromodichloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethylvinyl ether	1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	<0.5	<0.5

Table continued on next page

GTEL Client Number: 020503392.6104
Project I.D.: Sears
Telegraph Rd.
Oakland
Work Order Number: T301005

ANALYTICAL RESULTS

Volatile Organics in Water EPA Method 601^a

GTEL Sample Number		01005-1A	01005-2A	01005-3A	01005-4A
Client Identification		Trip Blank	MW-5	MW-2	MW-3
Date Sampled		12-30-92	12-30-92	12-30-92	12-30-92
Date Analyzed		1-5-93	1-5-93	1-5-93	1-5-93
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Methylene chloride	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	1.0	<1.0	<1.0	<1.0	<1.0
Dilution Multiplier ^b		1	1	1	1

a Federal Register, Vol. 49, October 26, 1984.

b Indicates the adjustments made for samples dilution.

GTEL Client Number: 020503392.6104
Project I.D.: Sears
Telegraph Rd.
Oakland
Work Order Number: T301005

ANALYTICAL RESULTS

Volatile Organics in Water EPA Method 601^a

GTEL Sample Number	01005-5A	01005-6A		
Client Identification	MW-3 Dup	MW-4		
Date Sampled	12-30-92	12-30-92		
Date Analyzed	1-5-93	1-5-93		
Analyte	Reporting Limit, ug/L	Concentration, ug/L		
Bromodichloromethane	0.5	<0.5	<0.5	
Bromoform	0.5	<0.5	<0.5	
Bromomethane	0.5	<0.5	<0.5	
Carbon tetrachloride	0.5	<0.5	<0.5	
Chlorobenzene	0.5	<0.5	<0.5	
Chloroethane	0.5	<0.5	<0.5	
2-Chloroethylvinyl ether	1.0	<1.0	<1.0	
Chloroform	0.5	<0.5	<0.5	
Chloromethane	0.5	<0.5	<0.5	
Dibromochloromethane	0.5	<0.5	<0.5	
1,2-Dichlorobenzene	0.5	<0.5	<0.5	
1,3-Dichlorobenzene	0.5	<0.5	<0.5	
1,4-Dichlorobenzene	0.5	<0.5	<0.5	
Dichlorodifluoromethane	0.5	<0.5	<0.5	
1,1-Dichloroethane	0.5	<0.5	<0.5	
1,2-Dichloroethane	0.5	<0.5	<0.5	
1,1-Dichloroethene	0.2	<0.2	<0.2	
trans-1,2-Dichloroethene	0.5	<0.5	<0.5	
1,2-Dichloropropane	0.5	<0.5	<0.5	
cis-1,3-Dichloropropene	0.5	<0.5	<0.5	
trans-1,3-Dichloropropene	0.5	<0.5	<0.5	

Table continued on next page

GTEL Client Number: 020503392.6104
Project I.D.: Sears
Telegraph Rd.
Oakland
Work Order Number: T301005

ANALYTICAL RESULTS

Volatile Organics in Water EPA Method 601^a

GTEL Sample Number		01005-5A	01005-6A		
Client Identification		MW-3 Dup	MW-4		
Date Sampled		12-30-92	12-30-92		
Date Analyzed		1-5-93	1-5-93		
Analyte	Reporting Limit, ug/L	Concentration, ug/L			
Methylene chloride	0.5	<0.5	<0.5		
1,1,2,2-Tetrachloroethane	0.5	<0.5	<0.5		
Tetrachloroethene	0.5	<0.5	<0.5		
1,1,1-Trichloroethane	0.5	<0.5	<0.5		
1,1,2-Trichloroethane	0.5	<0.5	<0.5		
Trichloroethene	0.5	<0.5	<0.5		
Trichlorofluoromethane	0.5	<0.5	<0.5		
Vinyl Chloride	1.0	<1.0	<1.0		
Dilution Multiplier ^b		1	1		

a Federal Register, Vol. 49, October 26, 1984.

b Indicates the adjustments made for samples dilution.

