URS

2002 THIRD QUARTER GROUNDWATER MONITORING REPORT AND WORK PLAN FOR CONFIRMATION SOIL BORINGS FORMER SEARS AUTO CENTER #1058B 2600 TELEGRAPH AVENUE OAKLAND, CALIFORNIA CASE I.D. # STID 1082 FOR SEARS, ROEBUCK & CO.

URS Job No. 29863494
January 23, 2003

URS

March 26, 2003

Mr. Don Wang
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Number 250
Alameda, California 94502

RE: 2002 Third Quarter Groundwater Monitoring
Former Sears Auto Center #1058B
2600 Telegraph Avenue
Case I.D. # STID 1082
For Sears, Roebuck & Co.

Dear Mr. Wang;

Submitted with this letter is the 2002 Third Quarter Groundwater Monitoring Report and Confirmation Soil Boring Work Plan prepared on behalf of Sears, Roebuck & Co. Quarterly groundwater monitoring will continue through the fourth quarter of 2002 and a Site closure analysis conducted following completion of the confirmation borings proposed in the Work Plan. Please feel free to contact me at 714.648.2793 if you have questions or comments.

Respectfully Submitted,
URS CORPORATION

J.S. Rowlands, R.G., C.HG.
Project Manager

cc: Mr. Scott DeMuth, Sears, Roebuck & Co.
Mr. Ryan Hartley, URS Corporation

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2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
CASE I.D. # STID 1082
URS JOB NO. 29863494
FOR SEARS, ROEBUCK & CO.

1.0 INTRODUCTION

This report has been prepared by URS Corporation on behalf of Sears, Roebuck & Co. (Sears). It presents results of the 2002 Third Quarter Groundwater Monitoring conducted at the above-referenced property (Site), and a work plan for confirmation soil borings in areas of the former underground storage tanks (USTs). The former Sears Auto Center is located at 2600 Telegraph Avenue in Oakland, California (Figure 1). The groundwater monitoring event consisted of gauging and sampling nine monitoring wells (MW-1 through MW-9) and one extraction well (EW-1).

The purpose of the groundwater monitoring was to assess current groundwater conditions in the vicinity of former gasoline USTs, associated fuel dispensers and product piping, and former motor oil and used oil USTs. The removed gasoline USTs, fuel dispensing system, motor oil USTs and used oil UST were associated with the former Sears Auto Center (Figure 2). The purpose of the proposed soil confirmation borings is to assess current concentrations of petroleum hydrocarbons and volatile organic compounds (VOCs) in the vadose zone. Data collected from the confirmation borings will be used to evaluate the Site for closure in accordance with the City of Oakland Urban Land Redevelopment (ULR) program, and Regional Water Quality Control Board, San Francisco Region (RWQCB) guidelines. The work is being performed under regulatory oversight of the Alameda County Environmental Health Services (ACEHS) pursuant to quarterly monitoring and reporting requirements under Title 23, Division 3, Chapter 16 of the California Code of Regulations.

2.0 SITE DESCRIPTION

The Site is located at 2600 Telegraph Avenue, Oakland California (Figure 1). It is bordered by 27th Street to the north, Telegraph Avenue to the west, 26th Street to the south, and commercial and

residential buildings to the east (Figure 2). The property is occupied by a single-story commercial structure and associated parking lots.

2.1 REGIONAL GEOLOGY AND HYDROGEOLOGY

The Site is approximately 1.5 miles east of the San Francisco Bay and three miles west of the Diablo Range in Oakland, California. It is located on the eastern flank of the San Francisco Basin, a broad Franciscan depression. The basement rock of the basin is respectively overlain by the Santa Clara Formation, the Alameda Formation, and the Temescal Formation. These formations consist of unconsolidated sediments ranging in total thickness from approximately 300 feet to 1,000 feet. The Pleistocene Santa Clara Formation consists primarily of alluvial fan deposits that are interspersed with lake, swamp, river channel, and flood plain deposits. The overlying Alameda Formation was deposited in an estuary environment and consists of organic clays and alluvial fan deposits of sands, gravels and silts. The uppermost Holocene Temescal Formation is an alluvial deposit ranging in thickness from 1-foot to 50 feet and consists primarily of silts and clays with a basal gravel unit. (California Regional Water Quality Control Board [RWQCB], San Francisco Bay Region, June 1999).

The Site is located within the Oakland sub-area of the East Bay Plain groundwater basin. The East Bay Plain groundwater basin encompasses approximately 115 square miles and is bounded by San Pablo Bay to the north, Alameda County to the south, the Hayward Fault to the east, and San Francisco Bay to the west. Existing beneficial uses of groundwater within the East Bay Plain basin include municipal and domestic water supply, industrial process water supply, industrial service water supply, and agricultural water supply (RWQCB, June 1995).

Groundwater flow direction in the basin typically follows surface topography. Historical high production wells in the Oakland sub-area were screened at depths greater than 200 feet below ground surface (bgs), beneath the Yerba Buena Mud Member of the Alameda Formation. The Yerba Buena Mud is a black organic clay with an average thickness of 25 feet to 50 feet that forms an aquitard between upper and lower groundwater bearing units. From the 1860's until water importation programs were initiated in the 1930's, groundwater in the East Bay Plain was utilized as the primary municipal water source. Current beneficial uses of groundwater in the basin are minimal due to "readily available high quality imported surface water" (RWQCB, June 1999). Alameda County Well permit applications indicated 91% of groundwater wells within the basin are used for

"backyard" or commercial irrigation, 8.6% of the wells are used for industrial process water, and 0.4% are used for drinking water supply (RWQCB, June 1999).

3.0 BACKGROUND

The Site consists of a Former Sears Auto Center converted to a commercial strip mall. A number of USTs were installed and operated in connection with the gasoline concession and auto center. Five 1,000-gallon motor oil USTs and one 2,000-gallon motor oil UST were previously located on the east side of the former auto center building. One 1,000-gallon used oil UST and two 10,000 gallon gasoline USTs were previously located on the west side of the former auto center building. The USTs were installed in the 1960s. The two 10,000-gallon USTs, associated with the gasoline concession were removed prior to 1990. American Environmental Management Corporation (AEMC) removed all the USTs containing motor oil and used oil in September 1990 (AEMC, October 1990). The former UST locations are shown on Figure 2.

Soil samples collected by AEMC from the motor oil and used oil UST excavations contained concentrations of total petroleum hydrocarbons as gasoline (TPHg) up to 39 milligrams per kilogram (mg/kg). Soil samples collected from the motor oil and used oil UST excavations contained concentrations of total petroleum hydrocarbons as diesel fuel (TPHd) up to 4,400 mg/kg. Benzene was detected in soil samples at concentrations up to 12 micrograms per kilogram (µg/kg). Toluene was detected in soil samples at concentrations up to 310 µg/kg. Ethylbenzene was detected in soil samples at concentrations up to 410 µg/kg. Xylenes were detected in soil samples at concentrations up to 3,000 µg/kg. Trichloroethene, tetrachloroethene, and acetone were also detected in three soil samples at concentrations ranging from 7 to 140 µg/kg. A Site map showing sample locations and tables summarizing the chemical analysis results for soil samples collected during the motor oil and used UST removals are provided in Appendix A.

Approximately 55 cubic yards of soil was excavated by AEMC during the motor oil and used oil UST removals and a subsequent excavation project. The excavated soil was transported from the Site and disposed at Gibson Asphalt Recylers in Bakersfield, California (AEMC, January 1991). Confirmation samples collected from the excavations contained less than 60 mg/kg of TPHd. Ethylbenzene and xylenes were detected in one soil sample at concentrations of 13 µg/kg and 14 µg/kg, respectively. A Site map showing confirmation sample locations and tables summarizing the chemical analysis results for confirmation soil samples are provided in Appendix A.

AEMC conducted a Phase II assessment of soil and groundwater on the west side of the former Auto Center in the areas of the removed gasoline and used oil USTs during February 1991 (AEMC, August 1991). Due to drill refusal, soil samples were not collected from depths greater than 15 feet bgs. TPHg was detected in soil samples at concentrations up to 6.3 mg/kg. TPHd was "non-detect" (ND) in all soil samples. TPH as oil and grease was detected in soil samples at concentrations up to 930 mg/kg. Benzene was detected in soil samples at concentrations up to 100 µg/kg. Toluene was detected in soil samples at concentrations up to 300 µg/kg. Ethylbenzene was detected in soil samples at concentrations up to 170 µg/kg. Xylenes were detected in soil samples at concentrations up to 280 µg/kg.

TPHg was detected in Hydropunch™ groundwater samples collected during the AEMC Phase II assessment at concentrations up to 18,000 µg/L. TPH oil and grease was detected in Hydropunch™ groundwater samples at concentrations up to 7,000 mg/L. Benzene, toluene, ethylbenzene and xylenes (BTEX) were detected in Hydropunch™ groundwater samples at concentrations up to 240 µg/L. A Site map showing sample locations and tables summarizing the chemical analysis results for soil and groundwater samples collected during the assessment are provided in Appendix B.

Since December 1992, a total of nine groundwater monitoring wells (MW-1 to MW-9) and one groundwater extraction well (EW-1) have been installed to evaluate the extent of petroleum hydrocarbon-affected groundwater onsite. Groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 have been monitored on a periodic basis since December 1992. Wells MW-6, MW-7, and MW-8 have been monitored on a periodic basis since December 1993. Wells MW-9 and EW-1 have been monitored on a periodic basis since December 1996.

The historical groundwater monitoring data indicates that separate phase product was periodically present in well MW-3 from September 1993 until August 2000, and has not been observed in subsequent quarterly monitoring events. Historical chemical analysis results determined that the separate phase product observed in well MW-3 consists of TPHg, TPHd, and oil range hydrocarbons (TPHo).

The highest dissolved phase concentrations of TPHg, TPHd, TPHo, benzene, toluene, ethylbenzene, and total xylenes (BTEX) and the fuel oxygenate Methyl tert-Butyl Ether (MTBE) historically detected in groundwater samples collected from the Site are summarized in the following table:

Historical Maximum Concentrations

Analyte	Well	Concentration (µg/L)	Date of Detection
TPHg	MW-3	7,800	02/25/00
TPHd	MW-3	1,026	06/06/02
TPHo	MW-3	130,000	02/25/00
Benzene	EW-1	83	06/09/97
Toluene	MW-3	6	08/25/97
Ethylbenzene	MW-3	5	08/25/97
Total Xylenes	MW-3	27	11/15/95
MTBE	EW-1	30	02/12/98

A summary of the historical chemical analytical results for previous groundwater monitoring events is provided as Appendix C. It should be noted that the gasoline USTs were removed from the Site prior to the widespread use of MTBE, and the detected concentrations may be "false positives" that were not confirmed by EPA analysis method 8260B.

4.0 HEALTH AND SAFETY PLAN

Pursuant to Health and Safety Code 1910.120, and prior to initiating the field activities, URS prepared a Site-specific Health & Safety plan to:

- Identify and describe potentially hazardous substances which may be encountered during field operations;
- Specify protective equipment and clothing for on-site activities; and
- Outline measures to be implemented in the event of an emergency.

URS field personnel reviewed the Health & Safety plan prior to commencing the field procedures. Field monitoring activities were recorded in the Health and Safety Plan and maintained in the project files at URS's Santa Ana office. A copy of the Health and Safety Plan remained onsite during field operations.

5.0 QUARTERLY GROUNDWATER MONITORING

The Third Quarter Groundwater Monitoring was performed on September 7, 2002. The monitoring consisted of gauging the depth-to-water in all 10 wells, then purging and sampling each well. A description of the monitoring procedures is presented below.

5.1 GROUNDWATER GAUGING

Prior to sampling, water levels were measured relative to the surveyed top of casing using a Solinst water level indicator. Water level data was recorded to the nearest 0.01 foot. Each groundwater monitoring well was also checked for the presence of free product using a product interface probe. Free product was not observed in any of the wells. Groundwater depths and elevations for the 2002 third quarter are listed in Table 1 and historical data is included in Appendix C.

5.2 GROUNDWATER SAMPLING

Groundwater samples were collected from the wells after purging approximately three casing volumes of well water using a Grundfos RediFlo 2™ submersible pump. The wells were purged at a rate of approximately one-quarter to one gallon per minute (gpm). Groundwater purged from the wells was monitored for various field parameters including temperature, pH, electrical conductivity, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity using a YSI™ multi-parameter meter equipped with a flow-through cell. Measured field parameters are listed in Table 1. Due to a malfunction with the DO probe, results for DO and ORP are not included on Table 1. The "post-purge" groundwater samples were collected from the disposable discharge tubing of the sampling pump within two hours of well purging or 80% recovery.

The Grundfos RediFlo 2™ submersible well pump was cleaned prior to use and between wells by washing in a solution of Alconox, rinsing with tap water, final rinsing with deionized water, and air drying. Pre-cleaned, disposable, polyethylene discharge tubing was attached to the pump following each decontamination and was changed between each well purging event. A blind duplicate sample was also collected from well EW-1 and labeled DUP-1. One equipment blank sample, labeled EB-1, was collected by pumping deionized water from a clean container through the pump and clean, disposable, polyethylene tubing into sample containers following decontamination procedures.

Sample containers and handling procedures conformed to the established protocols for each specific parameter as described in EPA SW-846. The sample bottles, once filled and preserved as required, were properly labeled. The label included well identification number, sample number, date and time sampled, job number, Site/client name and location, and sampling personnel's initials. The sealed and labeled samples were placed in an ice chest maintained at a temperature between 4 and 7 degrees centigrade and transported to a California Department of Health Services (DHS) accredited laboratory. A trip blank (TB), prepared by the laboratory, remained in the ice chest during sample collection and transport. Chain-of-custody records were maintained throughout the sampling program, a copy of which is included in Appendix D.

5.3 WELL HEAD MAINTENANCE

As part of the quarterly monitoring program, each well head is inspected to ensure that wells are properly sealed and secured. The routine well maintenance associated with the quarterly groundwater sampling consists of: inspection of water-tight well caps and locks on all monitoring wells and replacement as necessary; replacement of missing or damaged bolts on well box covers; and removal and replacement of damaged well boxes and associated concrete aprons. The well heads were in good condition and no maintenance was required this quarter.

5.4 LABORATORY ANALYSES

Groundwater samples were submitted to Southland Technical Services, Inc., (STS), a DHS accredited laboratory, in Montebello, California. The groundwater samples and duplicate were analyzed for TPHg, TPHd, and TPHo by modified EPA Method 8015M. The samples were also analyzed for volatile organic compounds (VOCs) including BTEX and the fuel oxygenates MTBE, Di-isopropyl Ether (DIPE), Ethyl tert-butyl Ether (ETBE), tert-Amyl Methyl Ether (TAME), and tert-Butanol (TBA) by EPA Method 8260B. The trip blank and equipment blank samples were analyzed for TPHg by EPA Method 8015M and VOCs by EPA Method 8260B. Analyses results for the groundwater samples are summarized in Table 2. Copies of the laboratory reports are included in Appendix D.

5.5 WASTE MANAGEMENT

Purge water and decontamination water were collected and stored in three 55-gallon DOT-approved drums. Containers were numbered, and labeled with the date, well/boring number, and contents to identify the source of the wastes. The containers were stored onsite in a designated area and properly disposed of by Sears, Roebuck & Co. following review of the chemical analysis data.

6.0 FINDINGS

6.1 SHALLOW GROUNDWATER CONDITIONS

Historical groundwater measurements collected since June 1996 indicate that the potentiometric surface beneath the Site has fluctuated from approximately 9 feet to 14 feet bgs, or 12 feet to 18 feet above mean sea level (msl). The measured depth to water during the 2002 third quarter monitoring ranged from 10.62 feet to 12.81 feet bgs, or approximately 12.74 feet to 16.36 feet above msl. Groundwater elevation contours and flow vectors were generated by Kriging (a geostatistical gridding method) using SURFER™, a graphical, contouring software program. The resultant groundwater contours indicate a southerly groundwater flow direction with a gradient of approximately 0.016. A groundwater elevation contour map, based on the 2002 third quarter water level measurements, is provided as Figure 3.

6.2 LABORATORY ANALYTICAL RESULTS

TPHg was detected in four of the nine groundwater samples (wells MW-1, MW-3, MW-9 and EW-1) with concentrations ranging from 95 µg/L (well MW-1) to 1,050 µg/L (well EW-1). TPHd was ND (<500 µg/L) in all groundwater samples. TPHo was ND (<2000 µg/L) in all groundwater samples. BTEX, DIPE, ETBE, TAME, and TBA were ND in all groundwater samples. Trace concentrations of MTBE were detected in samples collected from groundwater wells MW-4 and MW-5 at concentrations of 2.2 µg/L and 2.0 µg/L, respectively. Other VOCs were ND in all groundwater samples. TPHg and VOCs were ND in the trip blank (TB) and equipment blank (EB). The detected concentration of TPHg in the blind duplicate sample (DUP-1) collected from well EW-1 was within an acceptable range.

Chemical analysis results of the 2002 Third Quarter Groundwater Monitoring Event are presented in Table 2. A copy of the laboratory reports and chain-of-custody records is included in Appendix D. A Site map showing TPH concentrations for the 2002 Third Quarter is provided as Figure 4. URS conducted a check of data completeness for the analytical laboratory reports. Results indicate that "these data are usable for meeting project objectives without qualification." A copy of URS's Data Validation Summary is included as Appendix E.

7.0 DISCUSSION

Results of the 2002 Third Quarter Groundwater Monitoring indicate that detectable concentrations of TPHg ranging from 95 µg/L to 1,050 µg/L are present in shallow groundwater beneath the Site in the vicinity of the former gasoline and oil USTs. VOCs commonly associated with TPHg, such as BTEX were not detected in any of the groundwater samples collected during this sampling event. However, trace concentrations of MTBE (up to 2.2 µg/L) were identified in two of the monitoring wells (MW-4 and MW-5) adjacent to the former pump island location. Because the gasoline USTs were reportedly removed from the Site prior 1990, before the widespread use of MTBE as a gasoline additive, alternate sources for this compound should be considered.

No other VOC had been detected in the groundwater samples collected during this quarterly monitoring event. In addition, there have been no measurable separate phase petroleum hydrocarbons in well MW-3 for eight consecutive quarterly monitoring events.

Groundwater flow is towards the south with a gradient of 0.016. Groundwater flow direction and gradient are consistent with previous monitoring events. The potentiometric surface to groundwater beneath the Site has decreased an average of 0.63 feet since the last monitoring event conducted in June 2002.

Based on beneficial uses of groundwater in the Site vicinity, and the constituent concentrations detected during this and previous quarterly groundwater monitoring events, there is no apparent risk of petroleum hydrocarbon exposure to surface or groundwater receptors in the area. URS plans to further evaluate Site conditions related to the residual petroleum hydrocarbons and VOCs in soil and groundwater by completing confirmation borings in the areas of the removed USTs as described in Appendix F. The data collected will be used to establish closure conditions for the Site in accordance with the City of Oakland ULR Program and RWQCB guidance documents.

8.0 SCHEDULE

The 2002 fourth quarter groundwater monitoring event was conducted during December 2002 and included the sampling of four out of 10 wells (MW-1, MW-3, MW-9, and EW-1). The soil confirmation borings will be completed following review and approval of the Work Plan by the ACEHS. ACEHS will be notified of upcoming field activities.

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Should you have any questions or comments, please do not hesitate to contact us.

Respectfully Submitted,

URS CORPORATION

for

Robert Kovacs
Senior Staff Geologist

J.S. Rowlands, R.G., C.HG.
Senior Project Geologist

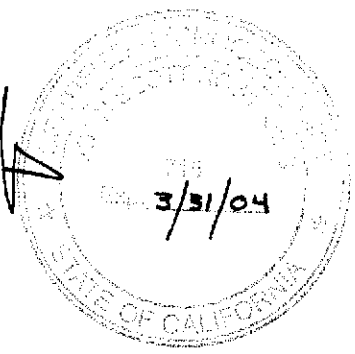

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Table 1
2002 Third Quarter Groundwater Levels and Field Parameters
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California

Monitoring Well No.	Date Collected	Notes	GROUNDWATER LEVELS				GROUNDWATER SAMPLING FIELD PARAMETERS					
			Product Thickness (feet)	Depth to Groundwater (feet btoc)	Casing Elevation (MSL)	Groundwater Elevation (MSL)	Temperature (Celsius)	pH	Electrical Conductivity (µS/cm)	O.R.P. (mV)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
MW-1	9/7/02		NA	11.31	26.20	14.89	23.60	6.38	542	NA	6.8	NA
MW-2	9/7/02		NA	11.00	26.50	15.50	22.22	6.44	606	NA	7.3	NA
MW-3	9/7/02		NA	12.81	26.34	13.53	22.37	6.73	730	NA	0.0	NA
MW-4	9/7/02		NA	11.80	26.17	14.37	23.14	6.47	670	NA	44.5	NA
MW-5	9/7/02		NA	10.62	26.98	16.36	23.25	6.47	612	NA	0.2	NA
MW-6	9/7/02		NA	11.10	24.32	13.22	21.97	6.37	498	NA	22.4	NA
MW-7	9/7/02		NA	11.65	24.88	13.23	21.28	6.25	780	NA	1.2	NA
MW-8	9/7/02		NA	12.61	26.12	13.51	22.72	6.35	743	NA	1.2	NA
MW-9	9/7/02		NA	12.29	25.03	12.74	22.23	6.56	724	NA	7.2	NA
EW-1	9/7/02		NA	12.63	26.80	14.17	22.16	6.68	766	NA	0.0	NA

Notes:
MSL - Mean Sea Level
btoc - below top of casing
Groundwater Elevation reference to MSL
Groundwater Elevation = Top of casing elevation - Depth to Water.
1 Sheen observed on water surface.
2 Petroleum odor in groundwater
3 Well casing damaged
SP - Separate phase product in well
NA - Not analyzed/Not available.

µS/cm - microSiemens per centimeter
mV - millivolt
mg/L - milligrams per liter
NTU - nephelometric turbidity units
O.R.P. - Oxidation Reduction Potential

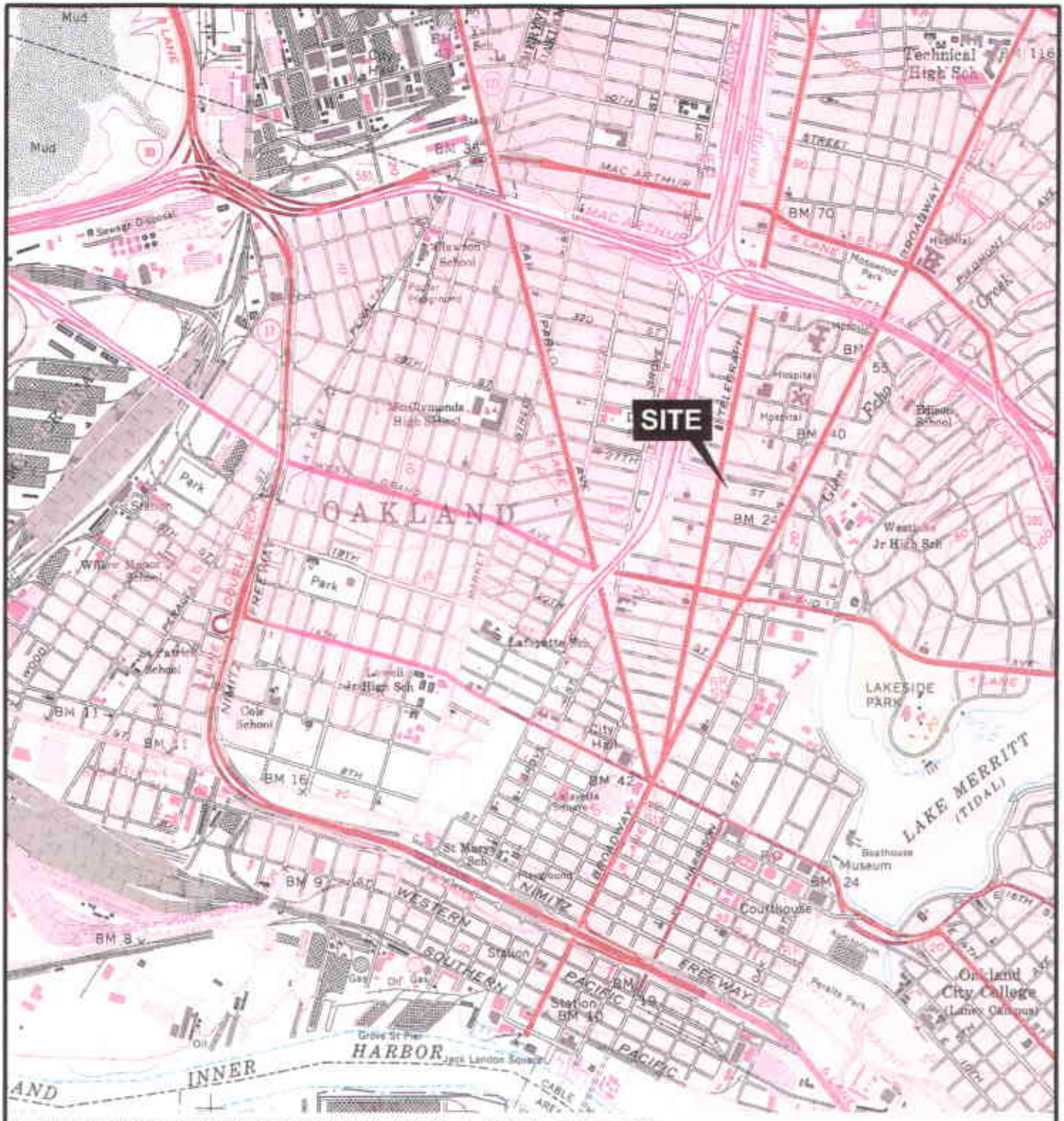
Table 2
2002 Third Quarter Groundwater Analytical Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California

Monitoring Well No.	Sample Date	Notes	Total Petroleum Hydrocarbons (EPA Method 8015M)			Volatile Organics (EPA Method 8260B)				
			Gasoline Range (µg/L)	Diesel Range (µg/L)	Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-1	9/7/2002	1	**95**	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-2	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-3	9/7/2002	1	**347**	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-4	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	**2.2**
MW-5	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-6	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-7	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-8	9/7/2002	1	< 50	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
MW-9	9/7/2002	1	**117**	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
EW-1	9/7/2002	1	**1050**	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0
EW-1	9/7/2002	1,2	**942**	< 500	< 2000	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0

Explanation / Notes:

1. "Post-purge" sample
2. Duplicate sample analysis.
3. Groundwater well not sampled

-- = Either not present, not measured, or not calculated.
SH = Product sheen observed in field.
Detected concentrations are depicted in bold
< = Analytical result less than the method detection limit indicated.
NA= Not analyzed/Not available.
µg/L= micrograms per liter



REFERENCE: USGS 7.5 Minute Series Oakland West, CA Quad, 1959, Photorevised 1980

FIGURE 1

VICINITY MAP

FORMER SEARS AUTO CENTER #1058
2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
For Sears, Roebuck & Co.

N

0 1/2 1

Scale in Miles

URS

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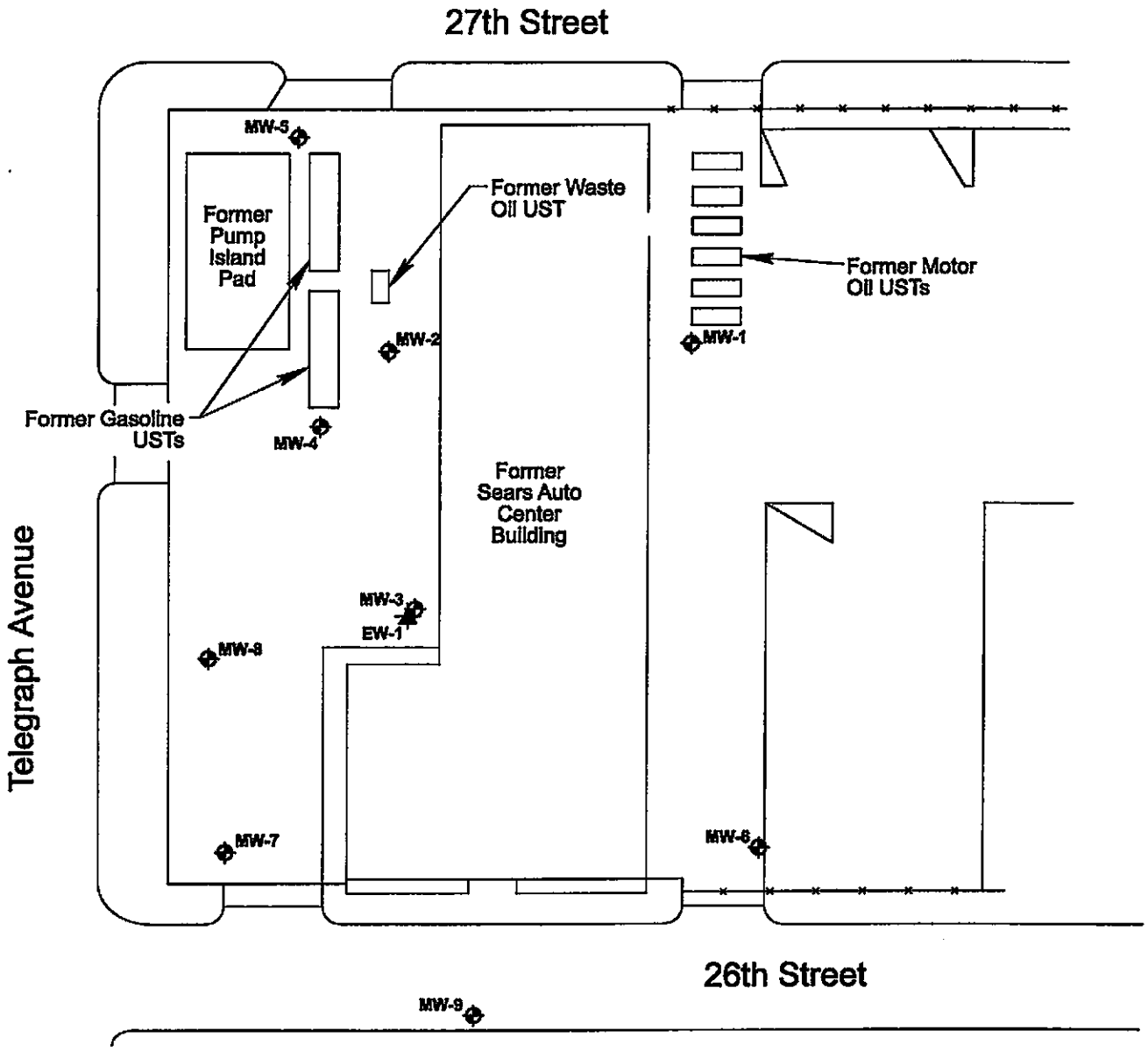

LEGEND

MW-8 — MONITORING WELL LOCATION

EW-1 — EXTRACTED WELL LOCATION

CHAIN LINK FENCE

0 20 40

Scale in Feet

PLOT PLAN

Project: Sears Auto Center #1058,
2600 Telegraph Avenue, Oakland, CA

Project No.: 29863494

Figure 2

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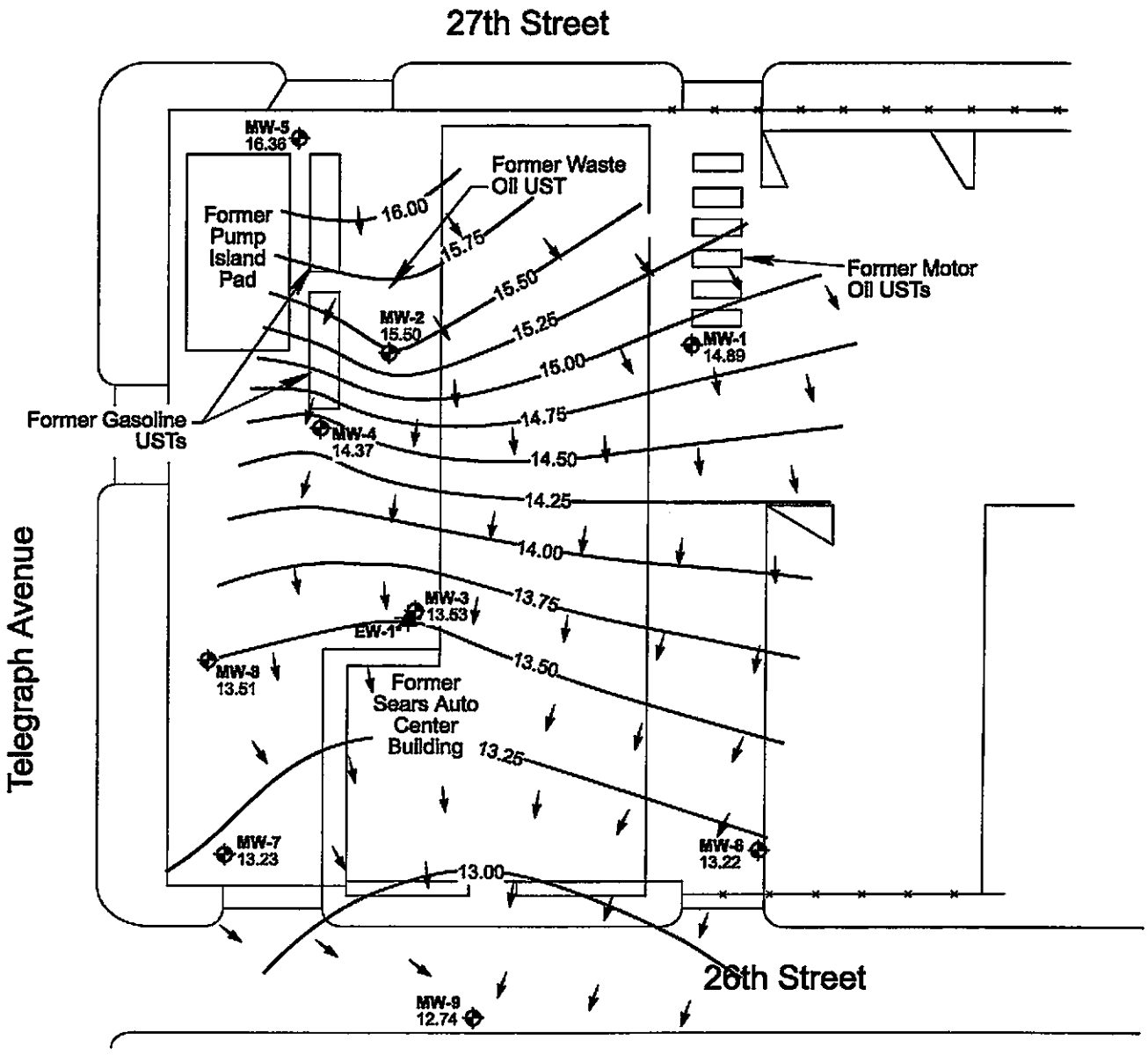


LEGEND

- MW-8 13.51 — MONITORING WELL LOCATION AND GROUNDWATER POTENTIOMETRIC ELEVATION
- EW-1 — EXTRACTION WELL LOCATION
- CHAIN LINK FENCE
- 13.00 — GROUNDWATER ELEVATION CONTOUR (MSL)
- GROUNDWATER FLOW VECTORS
- * — GROUNDWATER ELEVATION NOT USED IN CONTOURING

0 20 40
Scale in Feet

GROUNDWATER CONTOUR MAP 2002 THIRD QUARTER

Project: Sears Auto Center #1058,
2600 Telegraph Avenue, Oakland, CA

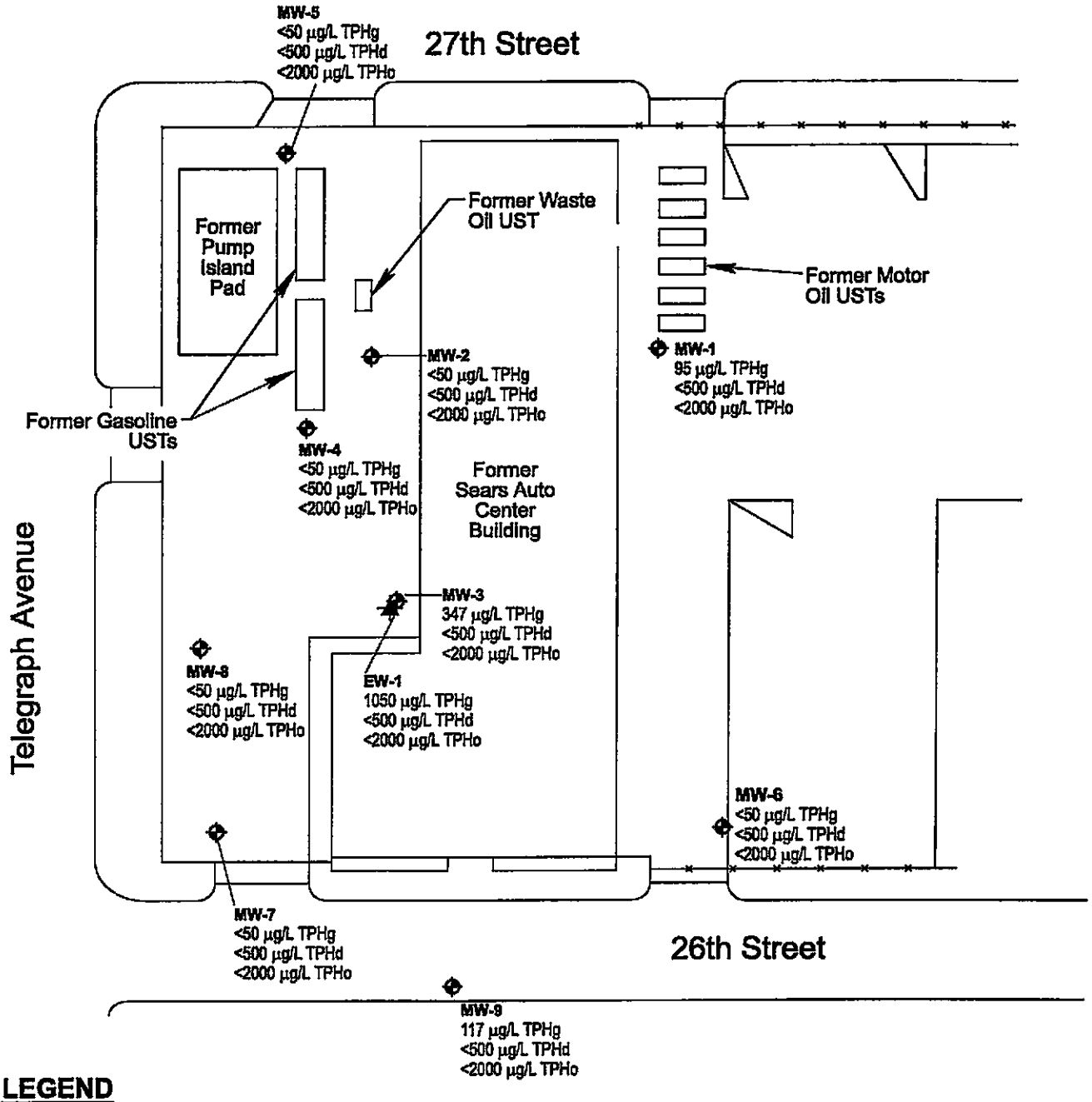
Project No.: 29863494

Date: JANUARY 2003

Figure 3

URS

L:/Sears/GW contour 3rd quart 02 oakland.fh10 12/02



LEGEND

MW-8	MONITORING WELL LOCATION
EW-1	EXTRACTED WELL LOCATION
	CHAIN LINK FENCE
TPHg	TOTAL PETROLEUM HYDROCARBONS GASOLINE ORGANICS RANGE
TPHd	TOTAL PETROLEUM HYDROCARBONS DIESEL FUEL RANGE
TPHo	TOTAL PETROLEUM HYDROCARBONS MOTOR OIL RANGE
µg/L	MICROGRAMS PER LITER

0 20 40
Scale in Feet

TPH CONCENTRATION MAP 2002 THIRD QUARTER

Project: Sears Auto Center #1058, 2600 Telegraph Avenue, Oakland, CA

Project No.: 29863494

Date: JANUARY 2003

Figure 4

URS

L:/Sears/TPH 3rd quart 02 oakland.ffh10 12/02

APPENDIX A

AEMC SITE MAPS AND TABLES FOR MOTOR OIL USTs AND USED OIL UST REMOVALS AND SOIL EXCAVATION

TABLE 1

Analytical Results of Soil Samples

Sears, Roebuck and Co.
Oakland, California

Motor Oil Tank Area

Sample ID	Date	Depth (feet below ground surface)	TPH-D (ppm)	Oil & Grease (ppm)
Excavation				
SB-1A	9/19/90	10	ND	ND
SB-1B	9/19/90	10	ND	ND
SB-1/2 A	9/19/90	10	ND	80
SB-1/2B	11/15/90	12	<60	280
SB-2/3 A	9/19/90	10	ND	ND
SB-3/4 A	9/19/90	10	ND	ND
SB-4/5 A	9/19/90	10	ND	ND
SB 5/6 A	9/19/90	11	ND	ND
SB-5/6 B	9/19/90	10	390	600*
SB-5/6C	11/15/90	12	ND	80
SB-6A	9/19/90	9	ND	ND
SB-6B	11/15/90	11	ND	ND

* Sample also contained Ethylbenzene @ 13 ppb and Xylenes @ 14 ppb.

TABLE 2

Analytical Results of Soil Samples
Sears, Roebuck and Co.
Oakland, California

Waste Oil Tank Area

Sample ID	Depth (feet bgs)	TPH-G (ppm)	TPH-D (ppm)	Oil & Grease (ppm)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	Cd (ppm)	Cr (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
Excavation													
SB-7A[a]	9	31	2,800	3,200	ND	58	100	720	ND	33	28	360	54
SB-7B[b]	9	31	1,500	2,100	12	200	250	1,400	ND	28	24	190	64
Stockpile													
SP-3-1[c]	—	39	4,400	6,800	ND	310	410	3,000	ND	20	20	440	62
SP-3-2	—	13	850	1,600	ND	9	23	220	1	32	34	47	45

bgs	below ground surface
TPH-G	Total Petroleum Hydrocarbons as gasoline
TPH-D	Total Petroleum Hydrocarbons as diesel
B	Benzene
T	Toluene
X	Xylenes
E	Ethylbenzene
Cd	Cadmium
Cr	Chromium
Ni	Nickel
Pb	Lead
Zn	Zinc

a Sample also contained: Tetrachloroethene @ 82 ppb
Trichloroethene @ 17 ppb

b Sample also contained: Acetone @ 140 ppb
Tetrachloroethene @ 7 ppb
Trichloroethane @ 19 ppb

c Sample also contained: Tetrachloroethene @ 52 ppb

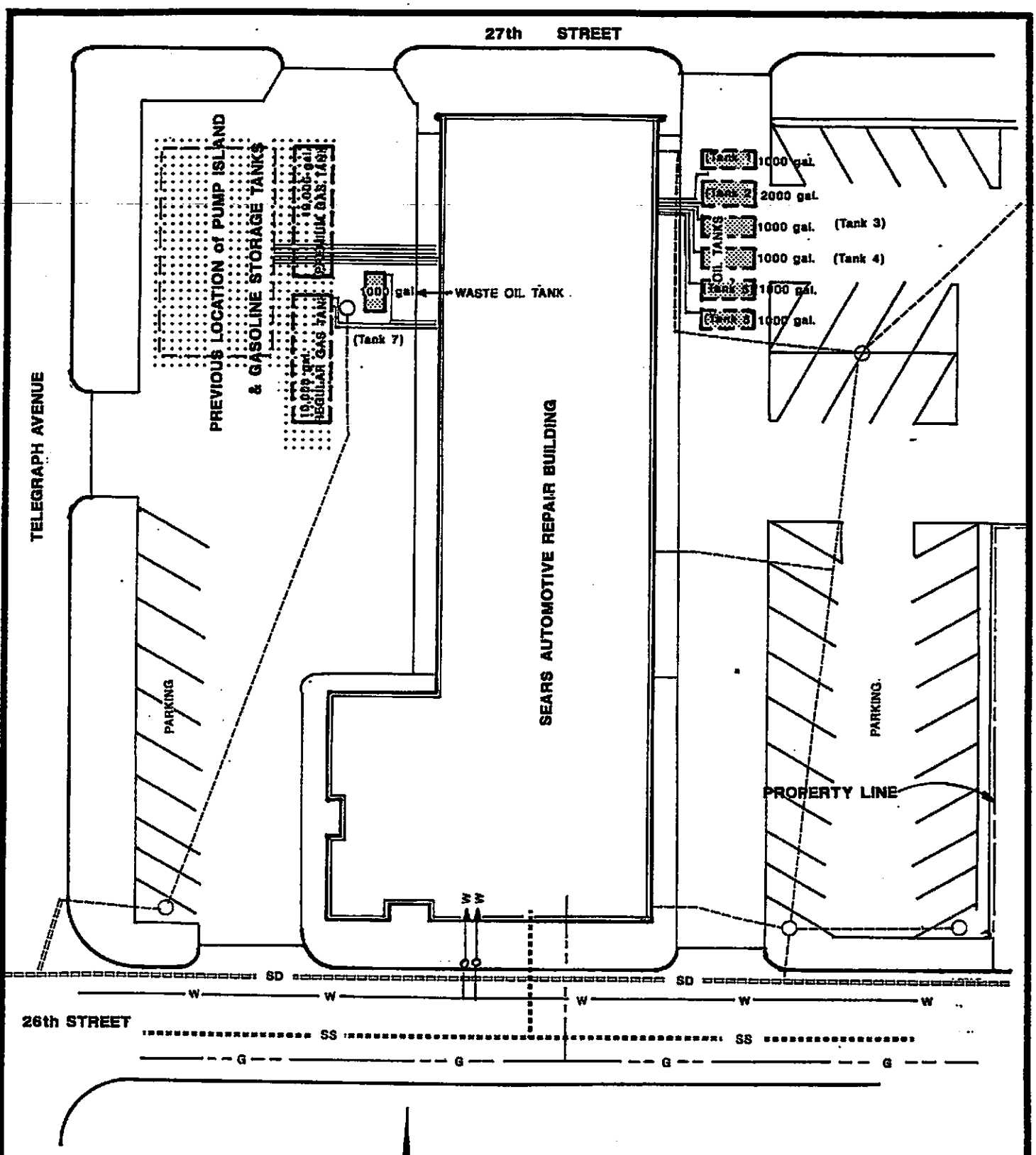
TABLE 1

Analytical Results of Soil Samples
Sears, Roebuck and Co.
Oakland, California

Motor Oil Tank Area

Sample ID	Depth (feet below ground surface)	TPH-D (ppm)	Oil & Grease (ppm)
Excavation			
SB-1A	10	ND	ND
SB-1B	10	ND	ND
SB-1/2 A	10	ND	80
SB-2/3 A	10	ND	ND
SB-3/4 A	10	ND	ND
SB-4/5 A	10	ND	ND
SB 5/6 A	11	ND	ND
SB-5/6 B	10	390	600*
SB-6A	9	ND	ND
Stockpile			
SP-1-1	—	140	ND
SP-1-2	—	120	260
SP-1-3	—	170	280
SP-1-4	—	52	240
SP-1-5	—	77	100
SP-2-1	—	39	100
SP-2-2	—	87	200

* Sample also contained Ethylbenzene @ 13 ppb and Xylenes @ 14 ppb.



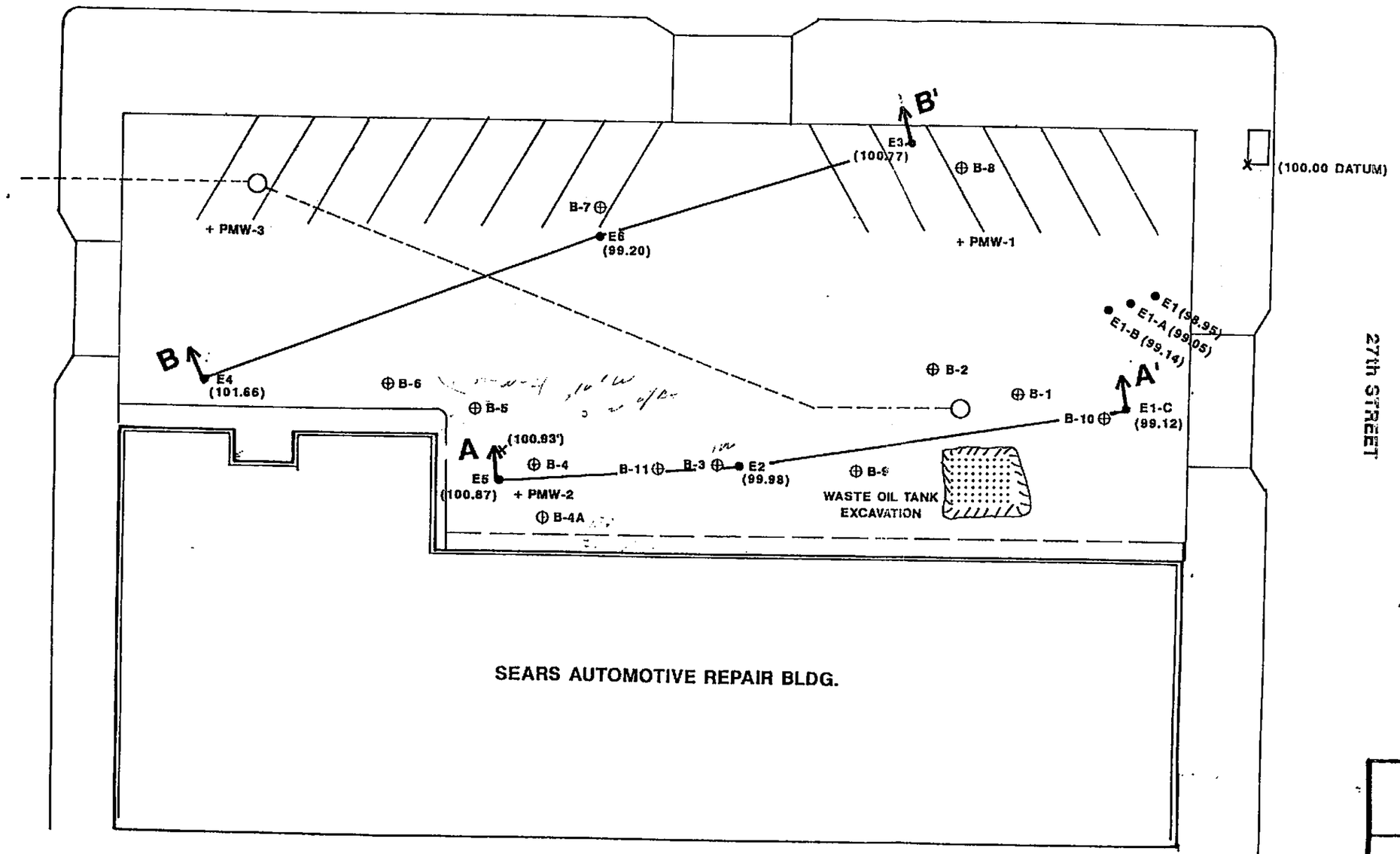
AMERICAN
ENVIRONMENTAL MANAGEMENT CORP.

FIGURE 2
SITE PLAN

SEARS AUTOMOTIVE - Oakland, California

DRAWN BY:	DATE:	PROJECT NO.
GPM	9/28/90	50109

TELEGRAPH AVENUE



27th STREET

N

EXPLANATION

- ● E2 — ELECTRONIC CONE PENETROMETER Test Locations (ECP,CPT,CMT & E Sample Names)
- ⊕B-2 — BORING Locations
- (98.95) — ELEVATION per DATUM
- A ——— A' — GEOLOGICAL CROSS SECTION Location
- + PMW-1 — Proposed SOIL BORING & MONITORING WELL Locations

0 10' 20'

SCALE: 1"=20'0"

AMERICAN ENVIRONMENTAL MANAGEMENT CORP.

FIGURE 3

E.C.P. & BORING Locations

SEARS AUTOMOTIVE - Oakland, CA.

DRAWN BY:	DATE:	PROJECT NO.
GPM	8/23/91	82580

APPENDIX B

AEMC SITE MAP AND TABLES FOR 1991 PHASE II INVESTIGATION

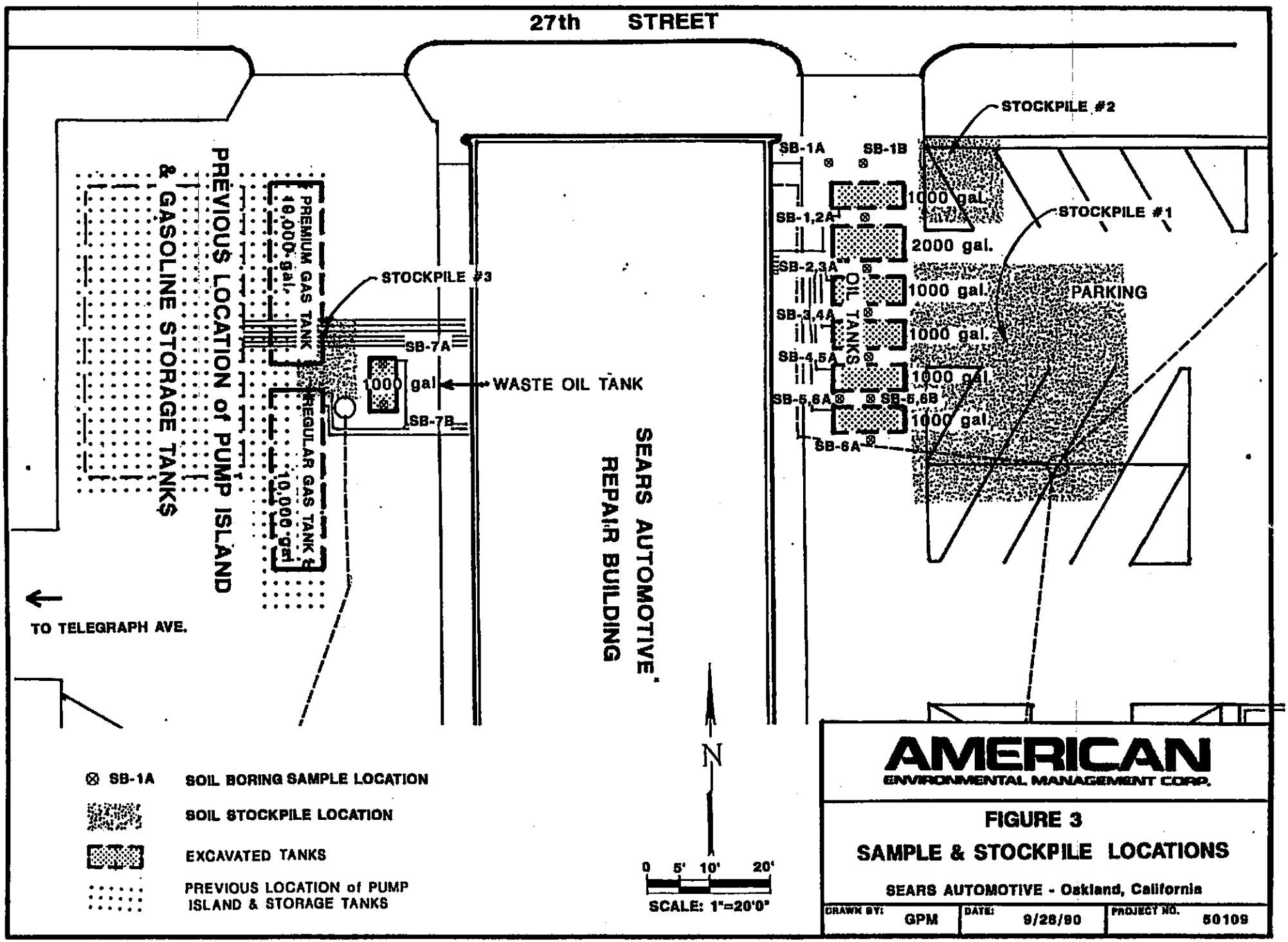

27th STREET
STOCKPILE #2
STOCKPILE #1
SB-1A
SB-1B
1000 gal.
SB-1,2A
2000 gal.
SB-2,3A
OIL TANKS
1000 gal.
PARKING
SB-3,4A
1000 gal.
SB-4,5A
1000 gal.
SB-5,6A
SB-5,6B
1000 gal.
SB-6A
STOCKPILE #3
SB-7A
1000 gal
WASTE OIL TANK
SB-7B
PREMIUM GAS TANK
10,000 gal.
REGULAR GAS TANK
10,000 gal.
PREVIOUS LOCATION of PUMP ISLAND
& GASOLINE STORAGE TANKS
SEARS AUTOMOTIVE
REPAIR BUILDING
TO TELEGRAPH AVE.
N
0 5' 10' 20'
SCALE: 1"=20'0"
⊗ SB-1A SOIL BORING SAMPLE LOCATION
SOIL STOCKPILE LOCATION
EXCAVATED TANKS
PREVIOUS LOCATION of PUMP ISLAND & STORAGE TANKS
AMERICAN
ENVIRONMENTAL MANAGEMENT CORP.
FIGURE 3
SAMPLE & STOCKPILE LOCATIONS
SEARS AUTOMOTIVE - Oakland, California
DRAWN BY: GPM
DATE: 9/28/90
PROJECT NO. 50109

TABLE 1

Analytical Results of Soil Samples
Sears Automotive Center
Oakland, California

Waste Oil Tank Area

Sample ID	Depth (feet bgs)	TPH-G (ppm)	TPH-D (ppm)	Oil &Grease (ppm)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
B-1-1	5	<1	<10	100	<5	<5	<5	<5
B-1-2	8	<1	<10	<50	<5	<5	<5	<5
B-1-3	11.5	2.1	<10	300	87	150	38	160
B-2-1	5	2.2	<10	<50	100	140	30	120
B-2-2	8	1.8	<10	300	<5	<5	94	<5
B-2-3	NO RECOVERY		---	---	---	---	---	---
B-7-1	5	<1	<10	<1	<1	26	<1	<1
B-7-2	8	<1	<10	<50	<5	220	<5	<1
B-7-3	12	2.0	<10	<50	<5	110	<5	<1
B-8-1	5	<1	<10	<50	<5	50	<5	<1
B-8-2	8	6.3	<10	<50	41	200	170	280
B-8-3	12	1.4	<10	<50	5	130	30	<1
B-9-1	5	<1	<10	<50	<5	39	<5	<1
B-9-2	8	<1	<10	<50	<5	220	<5	<1
B-9-3	12	<1	<10	400	<5	120	<5	<1
B-9-4	15	<1	<10	<50	<5	75	<5	<1
B-10-1	5	<1	<10	<50	<5	67	<5	<1
B-10-2	8	<1	<10	<50	<5	110	<5	<1
B-10-3	12	1.8	<10	<50	<5	210	6.4	<1
B-11-1	5	<1	<10	<50	<5	100	<5	<1
B-11-2	8	<1	<10	<50	<5	120	<5	<1
B-11-3	12	3.5	<10	930	<5	300	7.6	<1

bgs	below ground surface
TPH-G	Total Petroleum Hydrocarbons as gasoline
TPH-D	Total Petroleum Hydrocarbons as diesel
B	Benzene
T	Toluene
X	Xylenes
E	Ethylbenzene

TABLE 2

GROUNDWATER SAMPLE ANALYSES

Sample ID	TPH-G (ppb)	TPH-D (ppb)	Oil &Grease (ppm)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
E5	18,000	<50	7,000	240	240	74	180
B-1-HP	<50	<50	<5	<0.5	<0.5	<0.5	<0.5
B-3-HP	<50	<50	200	<0.5	<0.5	<0.5	<0.5
B-4A-HP	180	<50	<50	2.1	0.6	0.5	2.1
B-6-HP	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
B7-HP	<50	<50	<50	<0.5	<0.5	<0.5	<0.5
B-8-HP	<50	<50	<50	<0.5	<0.5	<0.5	<0.5

TPH-G	Total Petroleum Hydrocarbons as gasoline
TPH-D	Total Petroleum Hydrocarbons as diesel
B	Benzene
T	Toluene
X	Xylenes
E	Ethylbenzene

in groundwater at the subject site. The cone penetrometer is useful in conducting initial soil and groundwater contaminant and soil stratigraphy surveys, not to provide verification of concentrations in soil or groundwater. Soil borings and monitoring wells will be used for confirmation.

APPENDIX C

HISTORICAL GROUNDWATER MONITORING RESULTS

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
(Page 1 of 17)

Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-1		12/30/92	10.60	--	0.00	26.20	15.60	µg/L	1	1	2	2	---	---	---	---	1	---
MW-1		02/26/93	10.14	--	0.00	26.20	16.06	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		03/24/93	10.48	--	0.00	26.20	15.72	µg/L	0.4	1	0.32	10	---	---	---	---	1	---
MW-1		04/27/93	11.30	--	0.00	26.20	14.90	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		05/28/93	11.43	--	0.00	26.20	14.77	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		06/21/93	11.71	--	0.00	26.20	14.49	µg/L	< 0.3	1	< 0.3	6	---	---	---	< **100	---	---
MW-1		07/22/93	11.87	--	0.00	26.20	14.33	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		08/13/93	11.94	--	0.00	26.20	14.26	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		09/16/93	12.05	--	0.00	26.20	14.15	µg/L	< 0.3	0.7	2	7	---	---	---	< **100	---	---
MW-1		10/22/93	12.00	--	0.00	26.20	14.20	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		11/03/93	12.10	--	0.00	26.20	14.10	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		12/01/93	11.46	--	0.00	26.20	14.74	µg/L	0.4	1	---	7	---	---	---	---	---	---
MW-1		12/27/93	11.58	--	0.00	26.20	14.62	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		12/30/93	--	--	--	26.20	--	µg/L	---	---	1	---	---	---	---	< 100	---	---
MW-1		01/05/94	11.69	--	0.00	26.20	14.51	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		02/08/94	11.87	--	0.00	26.20	14.33	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		03/09/94	11.08	--	0.00	26.20	15.12	µg/L	< 0.3	< 0.3	2.4	4.2	---	---	---	< 100	---	---
MW-1		04/01/94	11.47	--	0.00	26.20	14.73	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		05/10/94	10.77	--	0.00	26.20	15.43	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		06/30/94	11.82	--	0.00	26.20	14.38	µg/L	0.6	0.7	1.4	15	---	---	---	< 100	---	---
MW-1		07/28/94	11.90	--	0.00	26.20	14.30	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		08/31/94	11.94	--	0.00	26.20	14.26	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		09/27/94	12.04	--	0.00	26.20	14.16	µg/L	0.9	0.5	< 0.3	10	---	---	---	< *250	---	---
MW-1		10/28/94	12.06	--	0.00	26.20	14.14	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		11/15/94	10.02	--	0.00	26.20	16.18	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		12/01/94	10.61	--	0.00	26.20	15.59	µg/L	0.4	0.4	< 0.3	6.6	---	---	---	< *250	---	---
MW-1		01/04/95	9.93	--	0.00	26.20	16.27	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		02/01/95	9.56	--	0.00	26.20	16.64	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		03/08/95	10.51	--	0.00	26.20	15.69	µg/L	< 0.3	0.6	4.7	2.7	---	---	---	< *250	---	---
MW-1		04/03/95	--	--	--	26.20	--	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		05/18/95	10.80	--	0.00	26.20	15.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		06/09/95	11.18	--	0.00	26.20	15.02	µg/L	< 0.3	1.4	3.9	5.6	---	---	---	< *250	---	---
MW-1		07/13/95	11.27	--	0.00	26.20	14.93	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		08/03/95	11.48	--	0.00	26.20	14.72	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		08/29/95	11.56	--	0.00	26.20	14.64	µg/L	0.3	0.9	< 0.5	2.8	---	---	---	< *250	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California

Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS										
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-1		09/15/95	11.71	--	0.00	26.20	14.49	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		10/20/95	11.80	--	0.00	26.20	14.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		11/15/95	11.61	--	0.00	26.20	14.59	µg/L	< 0.5	< 0.5	< 1.0	27	---	---	---	< °200	---	---
MW-1		01/15/96	11.21	--	0.00	26.20	14.99	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		03/05/96	9.35	--	0.00	26.20	16.85	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	---	---	< °200	---	---
MW-1		04/19/96	10.60	--	0.00	26.20	15.60	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		05/10/96	11.18	--	0.00	26.20	15.02	µg/L	---	---	---	---	---	---	---	---	---	---
MW-1		06/03/96	10.90	--	0.00	26.20	15.30	µg/L	< 0.5	< 1.0	3.7	3.4	---	340	---	< °200	---	---
MW-1		09/04/96	11.31	--	0.00	26.20	14.89	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	390	---	310	---	---
MW-1		12/02/96	10.61	--	0.00	26.20	15.59	µg/L	< 0.5	< 1.0	< 1.0	2.7	---	400	---	< °200	---	---
MW-1		02/26/97	10.31	--	0.00	26.20	15.89	µg/L	< 0.5	< 1.0	< 1.0	4.5	---	390	---	< °200	---	---
MW-1		06/09/97	11.25	--	0.00	26.20	14.95	µg/L	< 0.5	< 1.0	< 0.5	2.3	< 10	340	---	< 200	---	---
MW-1		08/25/97	11.15	--	0.00	26.20	15.05	µg/L	< 0.5	< 0.5	< 0.5	3	< 5	220	---	< 200	---	---
MW-1		11/28/97	10.07	--	0.00	26.20	16.13	µg/L	< 0.5	< 0.5	< 0.5	3	6.0	340	---	< 200	---	---
MW-1		02/12/98	8.70	--	0.00	26.20	17.50	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	280	---	< 200	---	---
MW-1		05/20/98	10.89	--	0.00	26.20	15.31	µg/L	< 0.5	< 0.5	0.8	3	< 5	340	---	< 200	---	---
MW-1		08/11/98	11.60	--	0.00	26.20	14.60	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	230	---	< 500	---	---
MW-1		11/10/98	11.10	--	0.00	26.20	15.10	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	150	---	< 250	---	---
MW-1		02/11/99	9.40	--	0.00	26.20	16.80	µg/L	< 0.50	< 0.50	1	1.6	6.7	260	---	< 500	---	---
MW-1		05/11/99	11.05	--	0.00	26.20	15.15	µg/L	< 0.5	0.54	< 0.5	4.7	< 2.5	160	---	< 250	---	---
MW-1		08/10/99	11.66	--	0.00	26.20	14.54	µg/L	< 0.5	0.79	< 0.5	2.8	< 2.0	230	---	< 250	---	---
MW-1		10/26/99	12.90	--	0.00	26.20	13.30	µg/L	< 0.5	< 0.5	0.64	1.2	< 2.5	95	---	< 250	---	---
MW-1		02/25/00	9.80	--	0.00	26.20	16.40	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.6	330	---	310	---	---
MW-1		05/03/00	10.90	--	0.00	26.20	15.30	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.5	220	---	< 100	---	---
MW-1		08/02/00	11.40	--	0.00	26.20	14.80	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.1	170	---	< 100	---	---
MW-1		11/07/00	10.83	--	0.00	26.20	15.37	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	0.9	250	---	< 100	---	---
MW-1		02/15/01	9.40	--	0.00	26.20	16.80	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.0	350	---	200	---	---
MW-1		04/26/01	10.43	--	0.00	26.20	15.77	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.5	310	---	200	---	---
MW-1		07/23/01	11.27	--	0.00	26.20	14.93	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.7	180	---	< 100	---	---
MW-1		11/01/01	10.90	--	0.00	26.20	15.30	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.6	200	---	120	---	---
MW-1	2	03/28/02	9.80	--	0.00	26.20	16.40	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	120	92	< 500	---	---
MW-1	2	06/06/02	10.44	--	0.00	26.20	15.76	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	147	< 500	< 2000	---	---
MW-1	2,3	06/06/02	10.44	--	0.00	26.20	15.76	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	107	< 500	< 2000	---	---
MW-1	2	09/07/02	11.31	--	0.00	26.20	14.89	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	95	< 500	< 2000	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California

Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS										
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-2		12/30/92	10.65	--	0.00	26.50	15.85	µg/L	0.7	< 0.3	< 0.3	3	---	190	---	---	1	[a]ND
MW-2		02/26/93	10.56	--	0.00	26.50	15.94	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		03/24/93	10.52	--	0.00	26.50	15.98	µg/L	0.6	< 0.3	< 0.3	2	---	120	---	---	< 1	[a]ND
MW-2		04/27/93	11.17	--	0.00	26.50	15.33	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		05/28/93	11.12	--	0.00	26.50	15.38	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		06/21/93	11.41	--	0.00	26.50	15.09	µg/L	0.3	< 0.3	< 0.3	0.7	---	82	---	< **100	---	[c]ND
MW-2		07/22/93	11.50	--	0.00	26.50	15.00	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		08/13/93	11.54	--	0.00	26.50	14.96	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		09/16/93	11.62	--	0.00	26.50	14.88	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	28	---	< **100	---	[c]ND
MW-2		10/22/93	11.57	--	0.00	26.50	14.93	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		11/03/93	11.65	--	0.00	26.50	14.85	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		11/24/93	11.52	--	0.00	26.50	14.98	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		12/01/93	11.08	--	0.00	26.50	15.42	µg/L	< 0.3	< 0.3	< 0.3	1	---	68	---	---	---	[c]ND
MW-2		12/27/93	11.27	--	0.00	26.50	15.23	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		12/30/93	--	--	--	26.50	--	µg/L	---	---	---	---	---	---	---	310	---	--
MW-2		01/05/94	11.39	--	0.00	26.50	15.11	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		02/08/94	11.49	--	0.00	26.50	15.01	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		03/09/94	11.06	--	0.00	26.50	15.44	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	47	---	< 100	---	ND
MW-2		04/01/94	11.25	--	0.00	26.50	15.25	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		05/10/94	10.83	--	0.00	26.50	15.67	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		06/30/94	11.44	--	0.00	26.50	15.06	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	100	---	ND
MW-2		07/28/94	11.48	--	0.00	26.50	15.02	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		08/31/94	11.56	--	0.00	26.50	14.94	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		09/27/94	11.61	--	0.00	26.50	14.89	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< [e]250	---	[d]15
MW-2		10/28/94	11.65	--	0.00	26.50	14.85	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		11/15/94	9.65	--	0.00	26.50	16.85	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		12/01/94	10.71	--	0.00	26.50	15.79	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	54	---	[f]1,300	---	[d]6
MW-2		01/04/95	10.11	--	0.00	26.50	16.39	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		02/01/95	10.38	--	0.00	26.50	16.12	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		03/08/95	10.80	--	0.00	26.50	15.70	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	3,000	---	ND
MW-2		04/03/95	10.61	--	0.00	26.50	15.89	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		05/18/95	10.95	--	0.00	26.50	15.55	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		06/09/95	11.13	--	0.00	26.50	15.37	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	2,000	---	ND
MW-2		07/13/95	11.15	--	0.00	26.50	15.35	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		08/03/95	11.26	--	0.00	26.50	15.24	µg/L	---	---	---	---	---	---	---	---	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS										
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-2		08/29/95	11.32	--	0.00	26.50	15.18	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	4,300	---	[b]20
MW-2		09/15/95	11.42	--	0.00	26.50	15.08	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		10/20/95	11.42	--	0.00	26.50	15.08	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		11/15/95	11.37	--	0.00	26.50	15.13	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	---	< 50	---	6,100	---	ND
MW-2		01/15/96	11.10	--	0.00	26.50	15.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		03/05/96	10.24	--	0.00	26.50	16.26	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	3,200	---	ND
MW-2		04/19/96	10.84	--	0.00	26.50	15.66	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		05/10/96	11.13	--	0.00	26.50	15.37	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		06/03/96	10.94	--	0.00	26.50	15.56	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		06/04/96	--	--	--	26.50	--	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	3,800	---	ND
MW-2		09/04/96	11.24	--	0.00	26.50	15.26	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	3,100	---	---
MW-2		12/02/96	10.80	--	0.00	26.50	15.70	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	2,200	---	---
MW-2		02/26/97	10.70	--	0.00	26.50	15.80	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	2,100	---	---
MW-2		06/09/97	11.10	--	0.00	26.50	15.40	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	< 10	< 100	---	2,400	---	---
MW-2		08/25/97	11.05	--	0.00	26.50	15.45	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-2		11/28/97	10.59	--	0.00	26.50	15.91	µg/L	0.6	< 0.5	< 0.5	< 2.0	< 5	< 50	---	1,900	---	---
MW-2		02/12/98	10.04	--	0.00	26.50	16.46	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	1,600	---	---
MW-2		05/20/98	10.84	--	0.00	26.50	15.66	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	3,100	---	---
MW-2		08/11/98	11.56	--	0.00	26.50	14.94	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	1,200	---	---
MW-2		11/10/98	11.02	--	0.00	26.50	15.48	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	< 50	---	820	---	---
MW-2		02/11/99	10.17	--	0.00	26.50	16.33	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	3.3	< 50	---	< 500	---	---
MW-2		05/11/99	10.96	--	0.00	26.50	15.54	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	1,400	---	---
MW-2		08/10/99	11.27	--	0.00	26.50	15.23	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		10/26/99	12.03	--	0.00	26.50	14.47	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2		02/25/00	9.95	--	0.00	26.50	16.55	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 50	---	980	---	---
MW-2		05/03/00	10.78	--	0.00	26.50	15.72	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 50	---	< 100	---	---
MW-2		08/02/00	11.02	--	0.00	26.50	15.48	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.0	< 50	---	< 100	---	---
MW-2		11/07/00	10.74	--	0.00	26.50	15.76	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 50	---	< 100	---	---
MW-2		02/15/01	10.16	--	0.00	26.50	16.34	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.0	< 50	---	< 100	---	---
MW-2		04/27/01	10.60	--	0.00	26.50	15.90	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 50	---	340	---	---
MW-2		07/23/01	11.00	--	0.00	26.50	15.50	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.2	< 50	---	< 100	---	---
MW-2		11/01/01	11.00	--	0.00	26.50	15.50	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 50	---	240	---	---
MW-2	5	03/28/02	10.42	--	0.00	26.50	16.08	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2	5	06/06/02	10.57	--	0.00	26.50	15.93	µg/L	---	---	---	---	---	---	---	---	---	---
MW-2	2	09/07/02	11.00	--	0.00	26.50	15.50	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	< 500	< 2,000	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS										
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-3		12/30/92	12.43	--	0.00	26.34	13.91	µg/L	11	0.9	< 0.3	2	---	910	---	SPH	20	[a]ND
MW-3		02/26/92	12.21	--	0.00	26.34	14.13	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		03/24/93	12.36	--	0.00	26.34	13.98	µg/L	28	0.7	1	8	---	3,300	---	SPH	28	*[a]15
MW-3		04/27/93	12.70	--	0.00	26.34	13.64	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		05/28/93	12.72	--	0.00	26.34	13.62	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		06/21/93	12.87	--	0.00	26.34	13.47	µg/L	21	5	2	19	---	**2,600	---	32,000	26	[cd]5
MW-3		07/22/93	12.92	--	0.00	26.34	13.42	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		08/13/93	12.96	--	0.00	26.34	13.38	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		09/16/93	13.05	13.01	0.04	26.34	13.32	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		10/22/93	--	--	--	26.34	--	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		11/03/93	13.24	13.13	0.11	26.34	13.19	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		11/24/94	12.96	12.94	0.02	26.34	13.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		12/01/93	12.73	12.71	0.02	26.34	13.63	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		12/27/93	12.81	12.77	0.04	26.34	13.56	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		01/05/94	12.87	12.85	0.02	26.34	13.49	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		02/08/94	12.37	--	0.00	26.34	13.97	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		03/09/94	12.53	--	0.00	26.34	13.81	µg/L	2	1.4	4.5	13	---	2,000	---	**5,700	**63	[a]ND
MW-3		04/01/94	12.64	--	0.00	26.34	13.70	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		05/10/94	12.32	--	0.00	26.34	14.02	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		06/30/94	12.86	12.84	0.02	26.34	13.50	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		07/28/94	12.97	12.93	0.04	26.34	13.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		08/31/94	13.07	13.04	0.03	26.34	13.29	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		09/27/94	13.24	13.13	0.11	26.34	13.19	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		10/28/94	13.52	13.30	0.22	26.34	13.00	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		11/15/94	11.08	11.05	0.03	26.34	15.28	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		12/01/94	11.92	11.90	0.02	26.34	14.44	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		01/04/95	11.81	11.80	0.01	26.34	14.54	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		02/01/95	12.02	12.00	0.02	26.34	14.34	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		03/08/95	12.40	12.35	0.05	26.34	13.98	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		04/03/95	12.13	12.09	0.04	26.34	14.24	µg/L	---	---	---	---	---	---	---	---	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_e*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-3		05/18/95	12.46	12.43	0.03	26.34	13.90	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		06/09/95	12.62	12.60	0.02	26.34	13.74	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		07/13/95	12.64	12.55	0.09	26.34	13.77	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		08/03/95	12.67	12.64	0.03	26.34	13.69	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		08/29/95	12.68	12.65	0.03	26.34	13.68	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		09/15/95	13.14	13.00	0.14	26.34	13.31	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		10/20/95	12.89	12.86	0.03	26.34	13.47	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		11/15/95	12.88	12.81	0.07	26.34	13.52	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		01/15/96	12.73	12.60	0.13	26.34	13.71	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		03/05/96	11.72	11.68	0.04	26.34	14.65	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		04/19/96	12.38	12.36	0.02	26.34	13.98	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		05/10/96	11.95	11.93	0.02	26.34	14.41	µg/L	---	---	---	---	---	---	---	---	---	---
MW-3		06/03/96	13.36	12.93	0.43	26.34	13.32	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		09/04/96	12.65	12.60	0.05	26.34	13.73	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		12/02/96	12.14	12.11	0.03	26.34	14.22	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		02/26/97	12.04	12.03	0.01	26.34	14.31	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	SPH
MW-3		06/09/97	12.43	12.39	0.04	26.34	13.94	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		08/25/97	12.31	12.28	0.03	26.34	14.05	µg/L	5	6	5	16	< 30	5,600	---	110,000	---	---
MW-3		11/28/97	12.16	12.13	0.03	26.34	14.20	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		02/12/98	11.88	11.85	0.03	26.34	14.48	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		05/20/98	12.54	12.51	0.03	26.34	13.82	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		08/11/98	13.15	12.97	0.18	26.34	13.33	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	---
MW-3		11/10/98	12.57	12.54	0.03	26.34	13.79	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		02/11/99	11.77	11.75	0.02	26.34	14.59	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		05/11/99	12.52	--	0.00	26.34	13.82	µg/L	5.2	< 0.5	< 0.5	< 0.5	< 2.0	530	---	59,000	---	---
MW-3		08/10/99	13.64	13.50	0.14	26.34	12.81	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.2	2,200	---	54,000	---	---
MW-3		10/26/99	13.04	13.01	0.03	26.34	13.32	µg/L	SPH	SPH	SPH	SPH	SPH	SPH	---	SPH	SPH	SPH
MW-3		02/25/00	11.41	--	0.00	26.34	14.93	µg/L	< 5.0	< 5.0	< 5.0	< 5.0	20	7,800	---	130,000	---	---
MW-3		05/03/00	12.30	--	0.00	26.34	14.04	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.2	1,100	---	42,000	---	---
MW-3		08/02/00	12.80	12.61	0.19	26.34	13.69	µg/L	SPH	SPH	SPH	SPH	---	SPH	---	SPH	SPH	---
MW-3		11/07/00	12.18	--	0.00	26.34	14.16	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.6	1,100	---	13,000	---	---
MW-3		02/15/01	11.61	--	0.00	26.34	14.73	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	0.7	430	---	73,000	---	---
MW-3		04/26/01	12.06	--	sheen	26.34	14.28	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	4,100	---	110,000	---	---
MW-3		07/23/01	12.60	--	0.00	26.34	13.74	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.7	1,200	---	64,000	---	---
MW-3		11/01/01	12.66	--	0.00	26.34	13.68	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	1,200	---	19,000	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS										
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_R (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-3	2	03/28/02	11.96	--	0.00	26.34	14.38	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	800	640	950	---	---
MW-3	2	06/06/02	11.91	--	0.00	26.34	14.43	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	870	1,026	< 2,000	---	---
MW-3	2	09/07/02	12.81	--	0.00	26.34	13.53	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	347	< 500	< 2,000	---	---
MW-4		12/30/92	11.53	--	sheen	26.17	14.64	µg/L	2	< 0.3	1	< 0.5	---	1,200	---	---	< 1	[5]ND
MW-4		02/26/93	11.35	--	0.00	26.17	14.82	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		03/24/93	11.46	--	0.00	26.17	14.71	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	750	---	---	2	[5]7
MW-4		04/27/93	11.74	--	0.00	26.17	14.43	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		05/28/93	11.77	--	0.00	26.17	14.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		06/21/93	11.92	--	0.00	26.17	14.25	µg/L	< 0.3	2	< 0.3	0.5	---	660	---	19,000	---	[5]ND
MW-4		07/22/93	11.95	--	0.00	26.17	14.22	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		08/13/93	12.01	--	0.00	26.17	14.16	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		09/16/93	12.08	--	0.00	26.17	14.09	µg/L	0.3	< 0.3	2	3	---	410	---	2,500	---	[5]ND
MW-4		10/22/93	12.03	--	0.00	26.17	14.14	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		11/03/93	12.10	--	0.00	26.17	14.07	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		11/24/93	12.02	--	0.00	26.17	14.15	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		12/01/93	11.78	--	0.00	26.17	14.39	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	150	---	390	---	[5]ND
MW-4		12/27/93	11.80	--	0.00	26.17	14.37	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		01/05/94	11.91	--	0.00	26.17	14.26	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		02/08/94	11.85	--	0.00	26.17	14.32	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		03/09/94	11.61	--	0.00	26.17	14.56	µg/L	0.7	0.8	2	3.6	---	1,500	---	780	---	[5]ND
MW-4		04/01/94	11.73	--	0.00	26.17	14.44	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		05/10/94	11.49	--	0.00	26.17	14.68	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		06/30/94	11.90	--	0.00	26.17	14.27	µg/L	< 0.3	1.7	0.5	1	---	450	---	130	---	ND
MW-4		07/28/94	11.97	--	0.00	26.17	14.20	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		08/31/94	12.06	--	0.00	26.17	14.11	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		09/27/94	12.11	--	0.00	26.17	14.06	µg/L	0.5	< 0.3	< 0.3	< 0.5	---	110	---	1,100	---	ND
MW-4		10/28/94	12.18	--	0.00	26.17	13.99	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		11/15/94	10.72	--	0.00	26.17	15.45	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		12/01/94	11.37	--	0.00	26.17	14.80	µg/L	0.6	0.5	0.3	0.8	---	290	---	580	---	< [5]5
MW-4		01/04/95	11.20	--	0.00	26.17	14.97	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		02/01/95	11.16	--	0.00	26.17	15.01	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		03/08/95	11.49	--	0.00	26.17	14.68	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	360	---	1,000	---	< [5]5
MW-4		04/03/95	11.35	--	0.00	26.17	14.82	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		05/08/95	11.56	--	0.00	26.17	14.61	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		06/09/95	11.72	--	0.00	26.17	14.45	µg/L	< 0.3	0.4	< 0.3	< 0.5	---	64	---	1,100	---	< [5]5

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-4		07/13/95	11.72	--	0.00	26.17	14.45	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		08/31/95	11.81	--	0.00	26.17	14.36	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		08/29/95	11.88	--	0.00	26.17	14.29	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 0.5	---	1,200	---	< [5]
MW-4		09/15/95	11.99	--	0.00	26.17	14.18	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		10/20/95	12.00	--	0.00	26.17	14.17	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		11/15/95	11.96	--	0.00	26.17	14.21	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	---	< 0.5	---	2,100	---	[5]ND
MW-4		01/15/96	11.71	--	0.00	26.17	14.46	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		03/05/96	11.02	--	0.00	26.17	15.15	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	890	---	[5]ND
MW-4		04/19/96	11.51	--	0.00	26.17	14.66	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		05/10/96	11.74	--	0.00	26.17	14.43	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		06/03/96	11.60	--	0.00	26.17	14.57	µg/L	---	---	---	---	---	---	---	---	---	---
MW-4		06/04/96	---	--	---	26.17	---	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	860	---	ND
MW-4		09/04/96	11.85	--	0.00	26.17	14.32	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	600	---	---
MW-4		12/02/96	11.45	--	0.00	26.17	14.72	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	940	---	---
MW-4		02/26/97	11.42	--	0.00	26.17	14.75	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	390	---	---
MW-4		06/09/97	11.70	--	0.00	26.17	14.47	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	< 10	< 100	---	630	---	---
MW-4		08/25/97	11.63	--	0.00	26.17	14.54	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-4		11/28/97	11.27	--	0.00	26.17	14.90	µg/L	3.6	3.9	3.7	12	< 5	120	---	< 200	---	---
MW-4		02/12/98	11.00	--	0.00	26.17	15.17	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-4		05/20/98	11.62	--	0.00	26.17	14.55	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	300	---	---
MW-4		08/11/98	11.90	--	0.00	26.17	14.27	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	< 500	---	---
MW-4		11/10/98	11.65	--	0.00	26.17	14.52	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	62	---	610	---	---
MW-4		02/11/99	10.87	--	0.00	26.17	15.30	µg/L	< 0.50	2.4	1.3	6.5	8.0	140	---	< 500	---	---
MW-4		05/11/99	11.66	--	0.00	26.17	14.51	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 50	---	330	---	---
MW-4		08/10/99	11.95	--	0.00	26.17	14.22	µg/L	< 0.5	< 0.5	< 0.5	2.6	2.5	470	---	< 250	---	---
MW-4		10/26/99	11.40	--	0.00	26.17	14.77	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.5/2.2[1]	< 50	---	1,300	---	---
MW-4		02/25/00	10.75	--	0.00	26.17	15.42	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.4	< 50	---	< 100	---	---
MW-4		05/03/00	11.55	--	0.00	26.17	14.62	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.5	< 50	---	< 100	---	---
MW-4		08/02/00	11.70	--	0.00	26.17	14.47	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 50	---	< 100	---	---
MW-4		11/07/00	11.45	--	0.00	26.17	14.72	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 50	---	< 100	---	---
MW-4		02/15/01	10.98	--	0.00	26.17	15.19	µg/L	< 0.5/0.5[1]	< 0.5/0.5[1]	< 0.5/0.5[1]	< 0.5/0.5[1]	2.4	< 50	---	< 100	---	---
MW-4		04/26/01	11.35	--	0.00	26.17	14.82	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.8	< 50	---	< 100	---	---
MW-4		07/23/01	11.79	--	0.00	26.17	14.38	µg/L	< 0.5/0.5[1]	< 0.5/0.5	< 0.5/0.5[1]	< 0.5/0.5[1]	2.5	< 50	---	< 100	---	---
MW-4		11/01/01	11.77	--	0.00	26.17	14.40	µg/L	< 0.5/0.5[1]	< 0.5/0.5	< 0.5/0.5[1]	< 0.5/0.5[1]	3.3	< 50	---	< 100	---	---
MW-4	2	03/28/02	11.17	--	0.00	26.17	15.00	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	< 50	< 50	< 500	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-4	2	06/06/02	11.29	--	0.00	26.17	14.88	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	500	< 2,000	---	---
MW-4	2	09/07/02	11.80	--	0.00	26.17	14.37	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	2.2	< 50	500	< 2,000	---	---
MW-5		12/30/92	10.50	--	0.00	26.98	16.48	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	37	---	---	< 1	[bc]5
MW-5		02/26/93	10.12	--	0.00	26.98	16.86	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		03/24/93	10.31	--	0.00	26.98	16.67	µg/L	< 0.3	< 0.3	< 0.3	0.5	---	19	---	---	2	*[c]341
MW-5		04/27/93	10.75	--	0.00	26.98	16.23	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		05/28/93	10.80	--	0.00	26.98	16.18	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		06/21/93	10.94	--	0.00	26.98	16.04	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 100	---	[c]ND
MW-5		07/22/93	11.01	--	0.00	26.98	15.97	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/13/93	11.07	--	0.00	26.98	15.91	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		09/16/93	11.18	--	0.00	26.98	15.80	µg/L	0.3	< 0.3	< 0.3	1	---	< 10	---	< 100	---	[c]ND
MW-5		10/22/93	11.19	--	0.00	26.98	15.79	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		11/03/93	11.23	--	0.00	26.98	15.75	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		11/24/93	12.00	--	0.00	26.98	14.98	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		12/01/93	10.84	--	0.00	26.98	16.14	µg/L	< 0.3	< 0.3	< 0.3	1	---	17	---	---	---	[c]ND
MW-5		12/27/93	10.81	--	0.00	26.98	16.17	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		12/30/93	--	--	--	--	--	µg/L	---	---	---	---	---	---	---	< 100	---	--
MW-5		01/05/94	10.96	--	0.00	26.98	16.02	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/08/94	10.94	--	0.00	26.98	16.04	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		03/09/94	10.54	--	0.00	26.98	16.44	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	22	---	< 100	---	[c]ND
MW-5		04/01/94	10.77	--	0.00	26.98	16.21	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		05/10/94	10.44	--	0.00	26.98	16.54	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		06/30/94	10.88	--	0.00	26.98	16.10	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 100	---	ND
MW-5		07/28/94	10.98	--	0.00	26.98	16.00	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/31/94	11.07	--	0.00	26.98	15.91	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		09/27/94	11.12	--	0.00	26.98	15.86	µg/L	0.5	0.4	< 0.3	< 0.5	---	< 10	---	560	---	ND
MW-5		10/28/94	11.21	--	0.00	26.98	15.77	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		11/15/94	10.05	--	0.00	26.98	16.93	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		12/01/94	10.39	--	0.00	26.98	16.59	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	ND
MW-5		01/04/95	10.18	--	0.00	26.98	16.80	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/01/95	9.93	--	0.00	26.98	17.05	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		03/08/95	10.35	--	0.00	26.98	16.63	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	ND
MW-5		04/03/95	10.15	--	0.00	26.98	16.83	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		05/18/95	10.43	--	0.00	26.98	16.55	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		06/09/95	10.62	--	0.00	26.98	16.36	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	< 250	---	[d]7

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-5		07/13/95	10.76	--	0.00	26.98	16.22	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/03/95	10.82	--	0.00	26.98	16.16	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/29/95	10.91	--	0.00	26.98	16.07	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	< 250	---	[k]36
MW-5		09/15/95	11.00	--	0.00	26.98	15.98	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		10/20/95	11.02	--	0.00	26.98	15.96	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		11/15/95	11.95	--	0.00	26.98	15.03	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	---	< 50	---	< 200	---	ND
MW-5		01/15/96	10.57	--	0.00	26.98	16.41	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		03/05/96	9.81	--	0.00	26.98	17.17	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	ND
MW-5		04/19/96	10.32	--	0.00	26.98	16.66	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		05/10/96	10.56	--	0.00	26.98	16.42	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		06/03/96	10.46	--	0.00	26.98	16.52	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		09/04/96	10.86	--	0.00	26.98	16.12	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	310	---	---
MW-5		12/02/96	10.45	--	0.00	26.98	16.53	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/26/97	10.38	--	0.00	26.98	16.60	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	---
MW-5		06/09/97	10.78	--	0.00	26.98	16.20	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/25/97	10.69	--	0.00	26.98	16.29	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-5		11/28/97	10.15	--	0.00	26.98	16.83	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/12/98	9.55	--	0.00	26.98	17.43	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 50	---	< 200	---	---
MW-5		05/20/98	10.29	--	0.00	26.98	16.69	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/11/98	10.67	--	0.00	26.98	16.31	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	< 500	---	---
MW-5		11/10/98	10.59	--	0.00	26.98	16.39	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/11/99	9.75	--	0.00	26.98	17.23	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.2	< 50	---	< 500	---	---
MW-5		05/11/99	10.38	--	0.00	26.98	16.60	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		08/10/99	10.77	--	0.00	26.98	16.21	µg/L	< 0.5	< 0.5	> 0.5	< 0.5	5.6	< 50	---	< 250	---	---
MW-5		10/26/99	10.95	--	0.00	26.98	16.03	µg/L	---	---	---	---	---	---	---	---	---	---
MW-5		02/25/00	9.50	--	0.00	26.98	17.48	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.5	< 50	---	< 100	---	---
MW-5		05/03/00	10.40	--	0.00	26.98	16.58	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.9	< 50	---	< 100	---	---
MW-5		08/02/00	10.70	--	0.00	26.98	16.28	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	5.2	< 50	---	< 100	---	---
MW-5		11/07/00	10.38	--	0.00	26.98	16.60	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	4.2	< 50	---	< 100	---	---
MW-5		02/15/01	9.77	--	0.00	26.98	17.21	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.1	< 50	---	< 100	---	---
MW-5		04/26/01	10.17	--	0.00	26.98	16.81	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.4	< 50	---	< 100	---	---
MW-5		07/23/01	10.64	--	0.00	26.98	16.34	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.5	< 50	---	< 100	---	---
MW-5		11/01/01	10.58	--	0.00	26.98	16.40	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.8	< 50	---	< 100	---	---
MW-5	2	03/28/02	10.02	--	0.00	26.98	16.96	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	< 50	< 50	< 500	---	---
MW-5	2	06/06/02	10.20	--	0.00	26.98	16.78	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	< 500	< 2000	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-5	2	09/07/02	10.62	--	0.00	26.98	16.36	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	2.0	< 50	< 500	< 2000	---	---
MW-6		12/27/93	11.24	--	0.00	24.32	13.08	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 100	<1	[a]70
MW-6		01/05/94	11.39	--	0.00	24.32	12.93	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/08/94	11.15	--	0.00	24.32	13.17	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		03/09/94	10.97	--	0.00	24.32	13.35	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	15	---	< 100	---	[b]ND
MW-6		04/01/94	11.25	--	0.00	24.32	13.07	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		05/10/94	10.78	--	0.00	24.32	13.54	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		06/30/94	11.49	--	0.00	24.32	12.83	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 100	---	ND
MW-6		07/28/94	11.59	--	0.00	24.32	12.73	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		08/31/94	11.56	--	0.00	24.32	12.76	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		09/27/94	11.65	--	0.00	24.32	12.67	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	[c]8
MW-6		10/28/94	11.59	--	0.00	24.32	12.73	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		11/15/94	10.24	--	0.00	24.32	14.08	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		12/01/94	10.30	--	0.00	24.32	14.02	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	[c]32
MW-6		01/04/95	9.81	--	0.00	24.32	14.51	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/01/95	10.01	--	0.00	24.32	14.31	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		03/08/95	10.64	--	0.00	24.32	13.68	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	ND
MW-6		04/03/95	10.26	--	0.00	24.32	14.06	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		05/18/95	10.81	--	0.00	24.32	13.51	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		06/09/95	11.07	--	0.00	24.32	13.25	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< 250	---	ND
MW-6		07/13/95	10.91	--	0.00	24.32	13.41	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		08/03/95	11.15	--	0.00	24.32	13.17	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		08/29/95	11.09	--	0.00	24.32	13.23	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	> 50	---	< 250	---	[b]24
MW-6		09/15/95	11.35	--	0.00	24.32	12.97	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		10/20/95	11.32	--	0.00	24.32	13.00	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		11/15/95	11.20	--	0.00	24.32	13.12	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	---	< 50	---	< 200	---	[c]31
MW-6		01/15/96	10.83	--	0.00	24.32	13.49	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		03/05/96	9.60	--	0.00	24.32	14.72	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	ND
MW-6		04/19/96	10.71	--	0.00	24.32	13.61	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		05/10/96	11.05	--	0.00	24.32	13.27	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		06/03/96	10.91	--	0.00	24.32	13.41	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		09/04/96	10.84	--	0.00	24.32	13.48	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	230	---	---
MW-6		12/02/96	10.46	--	0.00	24.32	13.86	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/26/97	10.46	--	0.00	24.32	13.86	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	---
MW-6		06/09/97	10.90	--	0.00	24.32	13.42	µg/L	---	---	---	---	---	---	---	---	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-6		08/25/97	10.84	--	0.00	24.32	13.48	µg/L	< 0.5	1.1	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-6		11/28/97	10.07	--	0.00	24.32	14.25	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/12/98	9.39	--	0.00	24.32	14.93	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-6		05/20/98	10.85	--	0.00	24.32	13.47	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		08/11/98	11.21	--	0.00	24.32	13.11	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	< 500	---	---
MW-6		11/10/98	10.82	--	0.00	24.32	13.50	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/11/99	9.39	--	0.00	24.32	14.93	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	7.1	< 50	---	< 500	---	---
MW-6		05/11/99	10.84	--	0.00	24.32	13.48	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		08/10/99	11.28	--	0.00	24.32	13.04	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 50	---	< 250	---	---
MW-6		10/26/99	11.43	--	0.00	24.32	12.89	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6		02/25/00	9.27	--	0.00	24.32	15.05	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		05/03/00	10.78	--	0.00	24.32	13.54	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		08/02/00	10.92	--	0.00	24.32	13.40	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		11/07/00	10.55	--	0.00	24.32	13.77	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		02/15/01	9.66	--	0.00	24.32	14.66	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		04/26/01	10.40	--	0.00	24.32	13.92	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		07/23/01	11.00	--	0.00	24.32	13.32	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6		11/01/01	10.97	--	0.00	24.32	13.35	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-6	5	03/28/02	10.13	--	0.00	24.32	14.19	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6	5	06/06/02	10.55	--	0.00	24.32	13.77	µg/L	---	---	---	---	---	---	---	---	---	---
MW-6	2	09/07/02	11.10	--	0.00	24.32	13.22	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	< 500	< 2000	---	---
MW-7		12/27/93	11.80	--	0.00	24.88	13.08	µg/L	< 0.3	< 0.2	1	2	---	140	---	100	<1	[3]40
MW-7		01/05/94	11.53	--	0.00	24.88	13.35	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		02/08/94	11.90	--	0.00	24.88	12.98	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		03/09/94	11.23	--	0.00	24.88	13.65	µg/L	< 0.3	< 1.0	1.5	4.1	---	620	---	< 100	---	[3]ND
MW-7		04/01/94	11.34	--	0.00	24.88	13.54	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		05/10/94	11.02	--	0.00	24.88	13.86	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		06/30/94	11.49	--	0.00	24.88	13.39	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	33	---	< 100	---	ND
MW-7		07/28/94	11.58	--	0.00	24.88	13.30	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/31/94	11.69	--	0.00	24.88	13.19	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		09/27/94	11.73	--	0.00	24.88	13.15	µg/L	< 0.3	< 0.3	0.4	0.7	---	52	---	< [3]250	---	ND
MW-7		10/28/94	11.77	--	0.00	24.88	13.11	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		11/15/94	10.29	--	0.00	24.88	14.59	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		12/01/94	10.89	--	0.00	24.88	13.99	µg/L	< 0.3	< 0.3	< 0.3	1.1	---	< 10	---	< [3]250	---	[2]28
MW-7		01/04/95	10.77	--	0.00	24.88	14.11	µg/L	---	---	---	---	---	---	---	---	---	---

Appendix C
Historical Groundwater Monitoring Results
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-7		02/01/95	10.70	--	0.00	24.88	14.18	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		03/08/95	11.05	--	0.00	24.88	13.83	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 10	---	< [e]250	---	ND
MW-7		04/03/95	10.88	--	0.00	24.88	14.00	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		05/18/95	11.12	--	0.00	24.88	13.76	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		06/09/95	11.25	--	0.00	24.88	13.63	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	< 250	---	ND
MW-7		07/13/95	11.15	--	0.00	24.88	13.73	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/03/95	11.32	--	0.00	24.88	13.56	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/29/95	11.53	--	0.00	24.88	13.35	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	< 250	---	[h]13
MW-7		09/15/95	11.65	--	0.00	24.88	13.23	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		10/20/95	11.64	--	0.00	24.88	13.24	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		11/15/95	11.60	--	0.00	24.88	13.28	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	---	< 50	---	< 200	---	ND
MW-7		01/15/96	11.07	--	0.00	24.88	13.81	µg/L		---	---	---	---	---	---	---	---	---
MW-7		03/05/96	10.50	--	0.00	24.88	14.38	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	270	---	ND
MW-7		04/19/96	12.02	--	0.00	24.88	12.86	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		05/10/96	11.14	--	0.00	24.88	13.74	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		06/03/96	11.10	--	0.00	24.88	13.78	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		09/04/96	11.45	--	0.00	24.88	13.43	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	--
MW-7		12/02/96	10.96	--	0.00	24.88	13.92	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		02/26/97	11.02	--	0.00	24.88	13.86	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	---
MW-7		06/09/97	11.34	--	0.00	24.88	13.54	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/25/97	11.25	--	0.00	24.88	13.63	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 0.5	< 50	---	< 200	---	---
MW-7		11/28/97	10.69	--	0.00	24.88	14.19	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		02/12/98	10.11	--	0.00	24.88	14.77	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-7		05/20/98	11.20	--	0.00	24.88	13.68	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/11/98	11.55	--	0.00	24.88	13.33	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	< 500	---	---
MW-7		11/10/98	11.21	--	0.00	24.88	13.67	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		02/11/99	10.27	--	0.00	24.88	14.61	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	5.8	130	---	< 500	---	---
MW-7		05/11/99	11.25	--	0.00	24.88	13.63	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		08/10/99	11.65	--	0.00	24.88	13.23	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	< 50	---	< 250	---	---
MW-7		10/26/99	11.76	--	0.00	24.88	13.12	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7		02/25/00	10.40	--	0.00	24.88	14.48	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		05/03/00	11.16	--	0.00	24.88	13.72	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		08/02/00	11.25	--	0.00	24.88	13.63	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		11/07/00	11.03	--	0.00	24.88	13.85	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		02/15/01	10.56	--	0.00	24.88	14.32	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-7		04/26/01	10.95	--	0.00	24.88	13.93	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		07/23/01	11.50	--	0.00	24.88	13.38	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7		11/01/01	11.55	--	0.00	24.88	13.33	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-7	5	03/28/02	10.77	--	0.00	24.88	14.11	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7	5	06/06/02	10.97	--	0.00	24.88	13.91	µg/L	---	---	---	---	---	---	---	---	---	---
MW-7	2	09/07/02	11.65	--	0.00	24.88	13.23	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	< 500	< 2000	---	---
MW-8		12/27/93	12.45	--	0.00	26.12	13.67	µg/L	0.4	4	0.4	1	---	390	---	< 100	< 1	[a]18
MW-8		01/05/94	12.57	--	0.00	26.12	13.55	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		02/08/94	12.02	--	0.00	26.12	14.10	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		03/09/94	12.22	--	0.00	26.12	13.90	µg/L	0.6	0.8	0.5	1.5	---	420	---	< 100	---	[a]ND
MW-8		04/01/94	12.33	--	0.00	26.12	13.79	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		05/10/94	12.00	--	0.00	26.12	14.12	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		06/30/94	12.52	--	0.00	26.12	13.60	µg/L	< 0.9	< 0.3	< 0.3	1.1	---	250	---	< 100	---	ND
MW-8		07/28/94	12.61	--	0.00	26.12	13.51	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		08/31/94	12.72	--	0.00	26.12	13.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		09/27/94	12.80	--	0.00	26.12	13.32	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	210	---	< [a]250	---	[a]9
MW-8		10/28/94	12.84	--	0.00	26.12	13.28	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		11/15/94	11.72	--	0.00	26.12	14.40	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		12/01/94	11.87	--	0.00	26.12	14.25	µg/L	5.4	< 0.3	0.7	1.3	---	230	---	< [a]250	---	[a]ND
MW-8		01/04/95	11.75	--	0.00	26.12	14.37	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		02/01/95	11.64	--	0.00	26.12	14.48	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		03/08/95	12.04	--	0.00	26.12	14.08	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	230	---	< [a]250	---	ND
MW-8		04/03/95	11.86	--	0.00	26.12	14.26	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		05/16/95	12.11	--	0.00	26.12	14.01	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		06/09/95	12.34	--	0.00	26.12	13.78	µg/L	< 0.3	< 0.3	< 0.3	< 0.5	---	< 50	---	< [a]250	---	ND
MW-8		07/13/95	12.37	--	0.00	26.12	13.75	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		08/03/95	12.50	--	0.00	26.12	13.62	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		08/29/95	12.55	--	0.00	26.12	13.57	µg/L	0.9	0.4	< 0.3	0.8	---	200	---	< [a]250	---	[b]15
MW-8		09/15/95	12.70	--	0.00	26.12	13.42	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		10/20/95	12.69	--	0.00	26.12	13.43	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		11/15/95	12.67	--	0.00	26.12	13.45	µg/L	0.58	< 0.5	< 0.5	0.54	---	120	---	---	---	[a]21
MW-8		12/11/95	11.80	--	0.00	26.12	14.32	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		01/15/96	12.38	--	0.00	26.12	13.74	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		03/05/96	11.44	--	0.00	26.12	14.68	µg/L	0.6	< 1.0	< 1.0	< 2.0	---	< 100	---	< [a]200	---	ND
MW-8		04/19/96	10.80	--	0.00	26.12	15.32	µg/L	---	---	---	---	---	---	---	---	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-8		05/10/96	12.40	--	0.00	26.12	13.72	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8		06/03/96	12.26	--	0.00	26.12	13.86	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	100	---	---	---	---
MW-8		09/04/96	12.51	--	0.00	26.12	13.61	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	110	---	< 200	---	---
MW-8		12/02/96	11.99	--	0.00	26.12	14.13	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	110	---	< 200	---	---
MW-8		02/26/97	11.98	--	0.00	26.12	14.14	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	< 100	---	< 200	---	---
MW-8		06/09/97	12.36	--	0.00	26.12	13.76	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	< 10	110	---	< 200	---	---
MW-8		08/25/97	12.25	--	0.00	26.12	13.87	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	70	---	< 200	---	---
MW-8		11/28/97	11.70	--	0.00	26.12	14.42	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	110	---	< 200	---	---
MW-8		02/12/98	11.34	--	0.00	26.12	14.78	µg/L	< 0.5	< 0.5	0.6	< 2.0	< 5	70	---	< 200	---	---
MW-8		05/20/98	12.21	--	0.00	26.12	13.91	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	< 50	---	< 200	---	---
MW-8		08/11/98	12.60	--	0.00	26.12	13.52	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	64	---	< 500	---	---
MW-8		11/10/98	12.26	--	0.00	26.12	13.86	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	52	---	< 250	---	---
MW-8		02/11/99	11.00	--	0.00	26.12	15.12	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	59	---	< 500	---	---
MW-8		05/11/99	12.29	--	0.00	26.12	13.83	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	< 50	---	< 250	---	---
MW-8		08/10/99	12.72	--	0.00	26.12	13.40	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.0	72	---	< 250	---	---
MW-8		10/26/99	12.85	--	0.00	26.12	13.27	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	63	---	< 250	---	---
MW-8		02/25/00	11.20	--	0.00	26.12	14.92	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		05/04/00	12.15	--	0.00	26.12	13.97	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		08/02/00	12.30	--	0.00	26.12	13.82	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		11/07/00	12.00	--	0.00	26.12	14.12	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		02/15/01	11.40	--	0.00	26.12	14.72	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		04/26/01	11.93	--	0.00	26.12	14.19	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		07/23/01	12.55	--	0.00	26.12	13.57	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8		11/01/01	12.60	--	0.00	26.12	13.52	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	---	< 100	---	---
MW-8	5	03/28/02	11.69	--	0.00	26.12	14.43	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8	5	06/06/02	11.86	--	0.00	26.12	14.26	µg/L	---	---	---	---	---	---	---	---	---	---
MW-8	2	09/07/02	12.61	--	0.00	26.12	13.51	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 50	< 500	< 2000	---	---
MW-9		12/02/96	11.52	---	---	---	---	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	210	---	250	---	---
MW-9		02/26/97	11.55	---	---	---	---	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	170	---	340	---	---
MW-9		06/09/97	11.91	---	---	---	---	µg/L	0.8	< 1.0	< 1.0	< 2.0	< 10	130	---	350	---	---
MW-9		08/25/97	11.80	---	---	---	---	µg/L	< 0.5	0.8	< 0.5	< 2.0	< 5	110	---	< 200	---	---
MW-9		11/28/97	11.15	---	---	---	---	µg/L	< 0.5	0.5	0.9	< 2.0	< 5	150	---	< 200	---	---
MW-9		02/12/98	10.63	---	---	---	---	µg/L	< 0.5	< 0.5	< 0.5	< 2.0	< 5	60	---	< 200	---	---
MW-9		05/20/98	11.73	---	---	---	---	µg/L	< 0.5	< 0.5	0.9	< 2.0	< 5	130	---	< 200	---	---
MW-9		08/11/98	12.15	---	---	---	---	µg/L	< 0.5	< 0.5	< 0.5	0.76	< 2.5	240	---	< 500	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
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Well No.	Notes	Sample Period	GROUNDWATER LEVELS					LABORATORY ANALYTICAL RESULTS									
			Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
MW-9		11/10/98	11.81	--	--	--	--	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	220	---	< 250	---	---
MW-9		02/11/99	10.66	--	--	--	--	µg/L	< 0.50	< 0.50	< 0.50	< 0.50	3.5	52	---	< 500	---	---
MW-9		05/11/99	11.69	--	--	--	--	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	96	---	< 250	---	---
MW-9		08/10/99	12.67	--	0.00	25.03	12.36	µg/L	< 0.5	< 0.5	< 0.5	0.96	< 2.0	130	---	< 250	---	---
MW-9		10/26/99	12.28	--	0.00	25.03	12.75	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.3/2.1	130	---	< 250	---	---
MW-9		02/25/00	10.60	--	0.00	25.03	14.43	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	0.8	< 50	---	< 100	---	---
MW-9		05/03/00	11.70	--	0.00	25.03	13.33	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.5	150	---	< 100	---	---
MW-9		08/02/00	11.88	--	0.00	25.03	13.15	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.2	210	---	< 100	---	---
MW-9		11/07/00	11.56	--	0.00	25.03	13.47	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	190	---	< 100	---	---
MW-9		02/15/01	10.95	--	0.00	25.03	14.08	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.4	110	---	< 100	---	---
MW-9		04/26/01	11.52	--	0.00	25.03	13.51	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.6	150	---	< 100	---	---
MW-9		07/23/01	12.09	--	0.00	25.03	12.94	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.6	140	---	< 100	---	---
MW-9		11/01/01	12.17	--	0.00	25.03	12.86	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.5	310	---	< 100	---	---
MW-9	2	03/28/02	11.34	--	0.00	25.03	13.69	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	55	60	< 500	---	---
MW-9	2	06/06/02	11.68	--	0.00	25.03	13.35	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	102	< 500	< 2000	---	---
MW-9	2	09/07/02	12.29	--	0.00	25.03	12.74	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	117	< 500	< 2000	---	---
EW-1		09/04/96	--	--	--	--	--	µg/L	< 0.5	< 1.0	< 1.0	< 2.0	---	1,100	---	1,700	---	---
EW-1		12/02/96	12.17	--	--	--	--	µg/L	6.2	< 1.0	< 1.0	< 2.0	---	1,000	---	1,400	---	---
EW-1		02/26/97	12.13	--	--	--	--	µg/L	12	< 1.0	< 1.0	< 2.1	---	1,200	---	2,100	---	---
EW-1		06/09/97	12.46	--	--	--	--	µg/L	83	< 1.0	< 1.0	< 2.0	13	1,400	---	12,000	---	---
EW-1		08/25/97	12.35	--	--	--	--	µg/L	7.5	0.9	0.9	2	12	1,400	---	15,000	---	---
EW-1		11/28/97	12.12	--	--	--	--	µg/L	4.5	1.1	1.1	4	5.0	560	---	5,700	---	---
EW-1		02/12/98	11.83	--	--	--	--	µg/L	9.8	0.6	1.2	2	30	1,000	---	6,300	---	---
EW-1		05/20/98	12.51	--	--	--	--	µg/L	7.2	< 0.5	< 0.5	< 2.0	26	820	---	6,200	---	---
EW-1		08/11/98	12.85	--	--	--	--	µg/L	2.6	< 0.5	< 0.5	0.86	8.7	320	---	5,400	---	---
EW-1		11/10/98	12.55	--	--	--	--	µg/L	< 0.50	< 0.50	< 0.50	0.75	13	820	---	2,900	---	---
EW-1		02/11/99	11.66	--	--	--	--	µg/L	4.0	< 0.50	0.51	0.94	14	720	---	1,300	---	---
EW-1		05/11/99	12.56	--	--	--	--	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 2.5	680	---	4,800	---	---
EW-1		08/10/99	12.91	--	0.00	26.80	13.89	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	3.6	730	---	1,100	---	---
EW-1		10/26/99	13.00	--	0.00	26.80	13.80	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 50	1,500	---	13,000	---	---
EW-1		02/25/00	11.41	--	0.00	26.80	15.39	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.2	1,100	---	6,300	---	---
EW-1		05/03/00	12.36	--	0.00	26.80	14.44	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	110	---	3,100	---	---
EW-1		08/02/00	12.51	--	0.00	26.80	14.29	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.6	1,100	---	4,500	---	---
EW-1		11/07/00	12.27	--	0.00	26.80	14.53	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.1	1,200	---	5,100	---	---
EW-1		02/15/01	11.66	--	0.00	26.80	15.14	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	2.0	1,100	---	11,000	---	---

Appendix C
Historical Groundwater Monitoring Results
Former Sears Auto Center No. 1058B
2600 Telegraph Avenue
Oakland, California
(Page 17 of 17)

Well No.	Notes	Sample Period	GROUNDWATER LEVELS: Depth to Groundwater (ft bgs)	Depth to Product (ft bgs)	Stand Prod Thickness (ft)	Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	LABORATORY ANALYTICAL RESULTS: Anal. Units	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPH_g (µg/L)	TPH_d (µg/L)	TPH_o*** (µg/L)	TRPH (mg/L)	Dissolved Metals
EW-1		04/26/01	12.12	--	0.00	26.80	14.68	µg/L	< 0.5/0.5[5]	< 0.5/0.5[5]	< 0.5/0.5[5]	< 0.5/0.5[5]	2.3	1,600	---	6,600	---	---
EW-1		07/23/01	12.59	--	0.00	26.80	14.21	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.8	930	---	15,000	---	---
EW-1		11/01/01	12.74	--	0.00	26.80	14.06	µg/L	< 0.5	< 0.5	< 0.5	< 0.5	1.7	1200	---	6,000	---	---
EW-1	2	03/28/02	11.85	--	0.00	26.80	14.95	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	930	710	< 500	---	---
EW-1	2,3	03/28/02	11.85	--	0.00	26.80	14.95	µg/L	< 0.50	< 0.50	< 0.50	< 1.0	< 5.0	800	510	< 500	---	---
EW-1	2	06/06/02	12.09	--	0.00	26.80	14.71	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	1,040	< 500	< 2,000	---	---
EW-1	2	09/07/02	12.63	--	0.00	26.80	14.17	µg/L	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	1,050	< 500	< 2,000	---	---
EW-1	2,3	09/07/02	12.63	--	0.00	26.80	14.17	µg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	942	< 500	< 2,000	---	---

Notes:
1. "Pre-purge" sample (well not purged prior to sampling).
2. "Post-purge" sample
3. Duplicate sample analysis.
4. Well inaccessible during sampling event and not sampled.
5. Groundwater well not sampled

--- = Either not present or not measured.
SH = Product sheen observed in field.
SPH = Separate phase hyrocarbons
ND = Non-detectable (Detection limits for each metal are listed in laboratory reports.)
mg/l = Milligrams per liter
* = Water samples were not filtered; analytical results represent total metals present, not dissolved concentratio---
** = Uncategorized hydrocarbon compound not included in this hydrocarbon concentration.
*** = The carbon ranges reported under the TPH oil range analyses may have varied over the monitoring period
a = Dissolved lead
b = Dissolved lead only analyte detected
c = Dissolved lead, cadmium, total chromium, nickel, and zinc
d = Cadmium only analyte detected
e = Hydrocarbon pattern not characteristic of motor oil
f = Uncategorized compounds included in concentration
z = Zinc only analyte detected
h = Chromium only analyte detected
i = Duplicate sample result from EPA Method 8260A

BTEX = Volatile aromatic constituents Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020/8021B or 8260B
TPHg = Total Petroleum Hydrocarbons as gasoline range hydrocarbons by EPA Method 8015 (modified)
TPHd = Total Petroleum Hydrocarbonsas diesel range hydrocarbons by EPA Method 8015 (modified).
TRPo = Total Petroleum Hydrocarbons as oil range by EPA Method 8015 (modified)
TRPH = Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1
MTBE = Methyl Tertiary Butyl Ether by CA LUFT/EPA Method 8021B/8260B
< = Analytical result less than the detection limit indicated.
--- = Either not sampled and/or not tested for given parameter
J = Analyte detection is less than the Reporting Limit and greater than or equal to the Method Detection Limit
mg/l = Milligrams per liter
µg/l = Micrograms per liter

APPENDIX D

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

Mr. Scott Rowlands
URS Corporation
2020 E. First Street, Suit 400
Santa Ana, CA 92705

Project: 29863494/Sears Oakland 1058B
Project Site: 2600 Telegraph Ave., Oakland, CA
Sample Date: 09-07-2002
Lab Job No.: UR209048

Dear Mr. Rowlands:

Enclosed please find the analytical report for the sample(s) received by STS Environmental Laboratories on 09-08-2002 and analyzed by the following EPA methods:

EPA 8015M (Gasoline)
EPA 8015M (Diesel & Oil)
EPA 8260B (VOCs by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled at 4°C, intact) and with a chain of custody record attached.

STS Environmental Laboratory is certified by CA DHS (Certificate Number 1986). Thank you for giving us the opportunity to serve you. Please feel free to call me at (323) 888-0728 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

[illegible] Telegraph Road Suite [illegible] Montebello, CA 90640 Phone: (323) 888-0728 Fax: (323) 888-1509

Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

Client:	URS Corporation	Lab Job No.:	UR209048
Project:	29863494/Sears Oakland 1058B		
Project Site:	2600 Telegraph Ave., Oakland, CA	Date Sampled	09-07-2002
Matrix:	Water	Date Received:	09-08-2002
Batch No.:	AI13-GW1/for Gasoline	Date Analyzed:	09-13-2002
Batch No.:	EI11-DW1/for Diesel & Oil	Date Analyzed:	09-11-2002

EPA 8015M (Gasoline, Diesel & Oil)
Reporting Unit: µg/L (ppb)

Date of Analysis for TPH (Gasoline)			09-13-02	09-13-02	09-13-02	09-13-02	09-13-02
Preparation Method for TPH (Gasoline)			5030	5030	5030	5030	5030
Date of Analysis for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	09-11-02
Date of Extraction for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	09-11-02
Preparation Method for TPH (D & O)			3510C	3510C	3510C	3510C	3510C
LAB SAMPLE I.D.				UR209048-1	UR209048-2	UR209048-3	UR209048-4
CLIENT SAMPLE I.D.				MW-1	MW-2	MW-3	MW-4
Analyte		**MDL**	**MB**				
TPH-Gasoline (C4 - C12)		50	ND	95	ND	347	ND
TPH-Diesel (C13 - C23)		500	ND	ND	ND	ND	ND
TPH-Oil (C24 - C40)		2000	ND	ND	ND	ND	ND
Surrogate	Spk Conc.	ACP%	MB %RC	%RC	%RC	%RC	%RC
BFB (for TPH-Gasoline)	20 ppb	70-130	120	125	123	116	111
Diocthyl Phthalate (for TPH-D & O)	5 ppm	70-130	116	85	85	86	130

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery
MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed

Checked & approved by:

Roger Wang, Ph.D.
Laboratory Director.

Telegraph Road Suite ... Montebello, CA 90640 Phone: (323) 888-0708 Fax: (323) 888-1509

Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

Client:	URS Corporation	Lab Job No.:	UR209048
Project:	29863494/Sears Oakland 1058B		
Project Site:	2600 Telegraph Ave., Oakland, CA	Date Sampled	09-07-2002
Matrix:	Water	Date Received:	09-08-2002
Batch No.:	AI13-GW1/for Gasoline	Date Analyzed:	09-13-2002
Batch No.:	EI11-DW1/for Diesel & Oil	Date Analyzed:	09-11-2002

EPA 8015M (Gasoline, Diesel & Oil)
Reporting Unit: µg/L (ppb)

Date of Analysis for TPH (Gasoline)			09-13-02	09-13-02	09-13-02	09-13-02	09-13-02
Preparation Method for TPH (Gasoline)			5030	5030	5030	5030	5030
Date of Analysis for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	09-11-02
Date of Extraction for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	09-11-02
Preparation Method for TPH (D & O)			3510C	3510C	3510C	3510C	3510C
LAB SAMPLE I.D.			UR209048-5	UR209048-6	UR209048-7	UR209048-8	UR209048-9
CLIENT SAMPLE I.D.			MW-5	MW-6	MW-7	MW-8	MW-9
Analyte		**MDL**					
TPH-Gasoline (C4 - C12)		50	ND	ND	ND	ND	117
TPH-Diesel (C13 - C23)		500	ND	ND	ND	ND	ND
TPH-Oil (C24 - C40)		2000	ND	ND	ND	ND	ND
Surrogate	Spk Conc.	ACP%	%RC	%RC	%RC	%RC	%RC
BFB (for TPH-Gasoline)	20 ppb	70-130	117	123	124	125	128
Diocthyl Phthalate (for TPH-D & O)	5 ppm	70-130	130	129	129	127	130

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery
MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed.

Checked & approved by:

Roger Wang, Ph.D.
Laboratory Director.

[illegible] Telegraph Road Suite [illegible], Montebello, CA 90640 Phone: (323) 888-0728 Fax: (323) 888-1501

Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

Client:	URS Corporation	Lab Job No.:	UR209048
Project:	29863494/Sears Oakland 1058B		
Project Site:	2600 Telegraph Ave., Oakland, CA	Date Sampled	09-07-2002
Matrix:	Water	Date Received:	09-08-2002
Batch No.:	AI13-GW1/for Gasoline	Date Analyzed:	09-13-2002
Batch No.:	EI11-DW1/for Diesel & Oil	Date Analyzed:	09-11-2002

EPA 8015M (Gasoline, Diesel & Oil)
Reporting Unit: µg/L (ppb)

Date of Analysis for TPH (Gasoline)			09-13-02	09-13-02	09-13-02	09-13-02	
Preparation Method for TPH (Gasoline)			5030	5030	5030	5030	
Date of Analysis for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	
Date of Extraction for TPH (D & O)			09-11-02	09-11-02	09-11-02	09-11-02	
Preparation Method for TPH (D & O)			3510C	3510C	3510C	3510C	
LAB SAMPLE I.D.			UR09048-10	UR09048-11	UR209048-12	UR209048-13	
CLIENT SAMPLE I.D.			EW-1	DUP-1	EB	TB	
Analyte		**MDL**					
TPH-Gasoline (C4 - C12)		50	1,050	942	ND	ND	
TPH-Diesel (C13 - C23)		500	ND	ND	NA	NA	
TPH-Oil (C24 - C40)		2000	ND	ND	NA	NA	
Surrogate	Spk Conc.	ACP%	%RC	%RC	%RC	%RC	
BFB (for TPH-Gasoline)	20 ppb	70-130	108	111	122	122	
Diocthyl Phthalate (for TPH-D & O)	5 ppm	70-130	129	83			

SPK Conc.=Spiking Concentration; ACP%=Acceptable Range of Percent; %RC=% Recovery
MDL=Method Detection Limit; MB=Method Blank; ND=Not Detected(Below MDL); NA=Not Analyzed.

Checked & approved by:

Roger Wang, Ph.D.
Laboratory Director.

[illegible] Pegasus Drive, Suite ... Monterey, CA 93940 Phone: (831) 888-0728 Fax: (831) 888-1509

Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L(ppb)

Date ANALYZED		09-14-02	09-14-02	09-14-02	09-14-02	09-14-02	09-14-02	
PREPARATION METHOD		5030	5030	5030	5030	5030	5030	
DILUTION FACTOR		1	1	1	1	1	1	
LAB SAMPLE I.D.			UR209048-1	UR209048-2	UR209048-3	UR209048-4	UR209048-5	
CLIENT SAMPLE I.D.			MW-1	MW-2	MW-3	MW-4	MW-5	
COMPOUND	MDL	MB						
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	
Chloromethane	5	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	
Iodomethane	5	ND	ND	ND	ND	ND	ND	
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	
Chloroform	5	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	5	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	ND	ND	
Trichloroethene	2.5	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	5	ND	ND	ND	ND	ND	ND	
Dibromomethane	5	ND	ND	ND	ND	ND	ND	
Trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	5	ND	ND	ND	ND	ND	ND	
Bromoform	5	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	
Bromobenzene	5	ND	ND	ND	ND	ND	ND	
Toluene	1	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	2.5	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane(EDB)	5	ND	ND	ND	ND	ND	ND	

Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	MB	MW-1	MW-2	MW-3	MW-4	MW-5	
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethan	5	ND	ND	ND	ND	ND	ND	
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	
Total Xylenes	2	ND	ND	ND	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethan	5	ND	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	5	ND	ND	ND	ND	ND	ND	
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	
Sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-Chloropropane	5	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	5	ND	ND	ND	ND	ND	ND	
Naphthalene	5	ND	ND	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	
Acetone	25	ND	ND	ND	ND	ND	ND	
2-Butanone (MEK)	25	ND	ND	ND	ND	ND	ND	
Carbon disulfide	25	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	25	ND	ND	ND	ND	ND	ND	
2-Hexanone	25	ND	ND	ND	ND	ND	ND	
Vinyl Acetate	25	ND	ND	ND	ND	ND	ND	
MTBE	2	ND	ND	ND	ND	2.2	2.0	
ETBE	2	ND	ND	ND	ND	ND	ND	
DIPE	2	ND	ND	ND	ND	ND	ND	
TAME	2	ND	ND	ND	ND	ND	ND	
t-Butyl Alcohol	10	ND	ND	ND	ND	ND	ND	
SURROGATE	**SPK Conc.**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**	**Accept Limit%**
Dibromofluoro-methane	25	100	98	103	100	91	93	79-126
Toluene-d8	25	90	88	88	81	86	94	79-121
Bromofluoro-benzene	25	92	89	101	93	85	86	71-131

MB=Method Blank; MDL=Method Detection Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis.

Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L(ppb)

Date ANALYZED		09-14-02	09-14-02	09-14-02	09-14-02	09-14-02		
PREPARATION METHOD		5030	5030	5030	5030	5030		
DILUTION FACTOR		1	1	1	1	1		
LAB SAMPLE I.D.			UR209048-6	UR209048-7	UR209048-8	UR209048-9		
CLIENT SAMPLE I.D.			MW-6	MW-7	MW-8	MW-9		
COMPOUND	MDL	MB						
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND		
Chloromethane	5	ND	ND	ND	ND	ND		
Vinyl Chloride	2	ND	ND	ND	ND	ND		
Bromomethane	5	ND	ND	ND	ND	ND		
Chloroethane	5	ND	ND	ND	ND	ND		
Trichlorofluoromethane	5	ND	ND	ND	ND	ND		
1,1-Dichloroethene	5	ND	ND	ND	ND	ND		
Iodomethane	5	ND	ND	ND	ND	ND		
Methylene Chloride	5	ND	ND	ND	ND	ND		
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND		
1,1-Dichloroethane	5	ND	ND	ND	ND	ND		
2,2-Dichloropropane	5	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND		
Bromochloromethane	5	ND	ND	ND	ND	ND		
Chloroform	5	ND	ND	ND	ND	ND		
1,2-Dichloroethane	5	ND	ND	ND	ND	ND		
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND		
Carbon tetrachloride	5	ND	ND	ND	ND	ND		
1,1-Dichloropropene	5	ND	ND	ND	ND	ND		
Benzene	1	ND	ND	ND	ND	ND		
Trichloroethene	2.5	ND	ND	ND	ND	ND		
1,2-Dichloropropane	5	ND	ND	ND	ND	ND		
Bromodichloromethane	5	ND	ND	ND	ND	ND		
Dibromomethane	5	ND	ND	ND	ND	ND		
Trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND		
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND		
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND		
1,3-Dichloropropane	5	ND	ND	ND	ND	ND		
Dibromochloromethane	5	ND	ND	ND	ND	ND		
2-Chloroethylvinyl ether	5	ND	ND	ND	ND	ND		
Bromoform	5	ND	ND	ND	ND	ND		
Isopropylbenzene	5	ND	ND	ND	ND	ND		
Bromobenzene	5	ND	ND	ND	ND	ND		
Toluene	1	ND	ND	ND	ND	ND		
Tetrachloroethene	2.5	ND	ND	ND	ND	ND		
1,2-Dibromoethane(EDB)	5	ND	ND	ND	ND	ND		

Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	MB	MW-6	MW-7	MW-8	MW-9		
Chlorobenzene	5	ND	ND	ND	ND	ND		
1,1,1,2-Tetrachloroethan	5	ND	ND	ND	ND	ND		
Ethylbenzene	1	ND	ND	ND	ND	ND		
Total Xylenes	2	ND	ND	ND	ND	ND		
Styrene	5	ND	ND	ND	ND	ND		
1,1,2,2-Tetrachloroethan	5	ND	ND	ND	ND	ND		
1,2,3-Trichloropropane	5	ND	ND	ND	ND	ND		
n-Propylbenzene	5	ND	ND	ND	ND	ND		
2-Chlorotoluene	5	ND	ND	ND	ND	ND		
4-Chlorotoluene	5	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND		
tert-Butylbenzene	5	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND		
Sec-Butylbenzene	5	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND		
p-Isopropyltoluene	5	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND		
n-Butylbenzene	5	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND		
1,2-Dibromo-3-Chloropropane	5	ND	ND	ND	ND	ND		
Hexachlorobutadiene	5	ND	ND	ND	ND	ND		
Naphthalene	5	ND	ND	ND	ND	ND		
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND		
Acetone	25	ND	ND	ND	ND	ND		
2-Butanone (MEK)	25	ND	ND	ND	ND	ND		
Carbon disulfide	25	ND	ND	ND	ND	ND		
4-Methyl-2-pentanone	25	ND	ND	ND	ND	ND		
2-Hexanone	25	ND	ND	ND	ND	ND		
Vinyl Acetate	25	ND	ND	ND	ND	ND		
MTBE	2	ND	ND	ND	ND	ND		
ETBE	2	ND	ND	ND	ND	ND		
DIPE	2	ND	ND	ND	ND	ND		
TAME	2	ND	ND	ND	ND	ND		
t-Butyl Alcohol	10	ND	ND	ND	ND	ND		
SURROGATE	**SPK Conc.**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**		**Accept Limit%**
Dibromofluoro-methane	25	100	90	91	91	91		79-126
Toluene-d8	25	90	84	86	90	99		79-121
Bromofluoro-benzene	25	92	93	88	88	90		71-131

MB=Method Blank; MDL=Method Detection Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis.

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Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L(ppb)

Date ANALYZED		09-14-02	09-14-02	09-14-02	09-14-02	09-14-02		
PREPARATION METHOD		5030	5030	5030	5030	5030		
DILUTION FACTOR		1	1	1	1	1		
LAB SAMPLE I.D.			UR209048-10	UR209048-11	UR209048-12	UR209048-13		
CLIENT SAMPLE I.D.			EW-1	DUP-1	EB-1	TB-1		
COMPOUND	MDL	MB						
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND		
Chloromethane	5	ND	ND	ND	ND	ND		
Vinyl Chloride	2	ND	ND	ND	ND	ND		
Bromomethane	5	ND	ND	ND	ND	ND		
Chloroethane	5	ND	ND	ND	ND	ND		
Trichlorofluoromethane	5	ND	ND	ND	ND	ND		
1,1-Dichloroethene	5	ND	ND	ND	ND	ND		
Iodomethane	5	ND	ND	ND	ND	ND		
Methylene Chloride	5	ND	ND	ND	ND	ND		
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND		
1,1-Dichloroethane	5	ND	ND	ND	ND	ND		
2,2-Dichloropropane	5	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND		
Bromochloromethane	5	ND	ND	ND	ND	ND		
Chloroform	5	ND	ND	ND	ND	ND		
1,2-Dichloroethane	5	ND	ND	ND	ND	ND		
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND		
Carbon tetrachloride	5	ND	ND	ND	ND	ND		
1,1-Dichloropropene	5	ND	ND	ND	ND	ND		
Benzene	1	ND	ND	ND	ND	ND		
Trichloroethene	2.5	ND	ND	ND	ND	ND		
1,2-Dichloropropane	5	ND	ND	ND	ND	ND		
Bromodichloromethane	5	ND	ND	ND	ND	ND		
Dibromomethane	5	ND	ND	ND	ND	ND		
Trans-1,3-Dichloropropene	5	ND	ND	ND	ND	ND		
cis-1,3-Dichloropropene	5	ND	ND	ND	ND	ND		
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND		
1,3-Dichloropropane	5	ND	ND	ND	ND	ND		
Dibromochloromethane	5	ND	ND	ND	ND	ND		
2-Chloroethylvinyl ether	5	ND	ND	ND	ND	ND		
Bromoform	5	ND	ND	ND	ND	ND		
Isopropylbenzene	5	ND	ND	ND	ND	ND		
Bromobenzene	5	ND	ND	ND	ND	ND		
Toluene	1	ND	ND	ND	ND	ND		
Tetrachloroethene	2.5	ND	ND	ND	ND	ND		
1,2-Dibromoethane(EDB)	5	ND	ND	ND	ND	ND		

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Southland Technical Services, Inc.
Environmental Laboratories

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B

Lab Job No.: UR209048
Matrix: Water

Date Reported: 09-20-2002
Date Sampled: 09-07-2002

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	MB	EW-1	DUP-1	EB-1	TB-1		
Chlorobenzene	5	ND	ND	ND	ND	ND		
1,1,1,2-Tetrachloroethan	5	ND	ND	ND	ND	ND		
Ethylbenzene	1	ND	ND	ND	ND	ND		
Total Xylenes	2	ND	ND	ND	ND	ND		
Styrene	5	ND	ND	ND	ND	ND		
1,1,2,2-Tetrachloroethan	5	ND	ND	ND	ND	ND		
1,2,3-Trichloropropane	5	ND	ND	ND	ND	ND		
n-Propylbenzene	5	ND	ND	ND	ND	ND		
2-Chlorotoluene	5	ND	ND	ND	ND	ND		
4-Chlorotoluene	5	ND	ND	ND	ND	ND		
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND		
tert-Butylbenzene	5	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND		
Sec-Butylbenzene	5	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	5	ND	ND	ND	ND	ND		
p-Isopropyltoluene	5	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	5	ND	ND	ND	ND	ND		
n-Butylbenzene	5	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND		
1,2-Dibromo-3-Chloropropane	5	ND	ND	ND	ND	ND		
Hexachlorobutadiene	5	ND	ND	ND	ND	ND		
Naphthalene	5	ND	ND	ND	ND	ND		
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND		
Acetone	25	ND	ND	ND	ND	ND		
2-Butanone (MEK)	25	ND	ND	ND	ND	ND		
Carbon disulfide	25	ND	ND	ND	ND	ND		
4-Methyl-2-pentanone	25	ND	ND	ND	ND	ND		
2-Hexanone	25	ND	ND	ND	ND	ND		
Vinyl Acetate	25	ND	ND	ND	ND	ND		
MTBE	2	ND	ND	ND	ND	ND		
ETBE	2	ND	ND	ND	ND	ND		
DIPE	2	ND	ND	ND	ND	ND		
TAME	2	ND	ND	ND	ND	ND		
t-Butyl Alcohol	10	ND	ND	ND	ND	ND		
SURROGATE	**SPK Conc.**	**%RC**	**%RC**	**%RC**	**%RC**	**%RC**		**Accept Limit%**
Dibromofluoro-methane	25	100	85	82	86	93		79-126
Toluene-d8	25	90	87	84	89	83		79-121
Bromofluoro-benzene	25	92	93	94	84	89		71-131

MB=Method Blank; MDL=Method Detection Limit; ND=Not Detected (below DF × MDL). * Result from a higher dilution analysis.

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Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

EPA 8260B
Batch QA/QC Report

Client: URS Corporation
Project: 29863494/Sears Oakland 1058B
Matrix: Water
Batch No: 0914-VOAW

Lab Job No.: UR209048
Sample ID: UR209048-5
Date Analyzed: 09-14-2002

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	21.5	21.1	107.5	105.5	1.9	30	70-130
Benzene	ND	20	22.4	21.4	112.0	107.0	4.6	30	70-130
Trichloro-ethene	ND	20	17.0	16.5	85.0	82.5	3.0	30	70-130
Toluene	ND	20	17.7	18.5	88.5	92.5	4.4	30	70-130
Chlorobenzene	ND	20	20.2	20.2	101.0	101.0	0.0	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	21.1	20.0	105.5	80-120
Benzene	22.8	20.0	114.0	80-120
Trichloro-ethene	17.6	20.0	88.0	80-120
Toluene	18.9	20.0	94.5	80-120
Chlorobenzene	21.4	20.0	107.0	80-120

ND: Not Detected.

Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

EPA 8015M (TPH)
Batch QA/QC Report

Client:	URS Corporation	Lab Job No.:	UR209048
Project:	29863494/Sears Oakland 1058B		
Matrix:	Water	Lab Sample ID:	UR209047-2
Batch No.:	EI11-DW1	Date Analyzed:	09-11-2002

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-d	ND	20	19.5	19.6	97.5	98.0	0.5	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Report Value	True Value	Rec.%	%Rec Accept. Limit
TPH-d	22.5	20	112.5	80-120

ND: Not Detected (at the specified limit).

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Southland Technical Services, Inc.
Environmental Laboratories

09-20-2002

EPA 8015M (TPH)
Batch QA/QC Report

Client:	URS Corporation	Lab Job No.:	UR209048
Project:	29863494/Sears Oakland 1058B		
Matrix:	Water	Lab Sample ID:	UR209048-8
Batch No.:	AI13-GW1	Date Analyzed:	09-13-2002

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-G	ND	1000	1,060	1,040	106.0	104.0	1.9	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	%Rec Accept. Limit
TPH-G	1,000	1000	100.0	80-120

ND: Not Detected (at the specified limit).

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SOUTHLAND TECHINICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number UR209048

Client: URS Corp

Address: 2020 E 1st Street Santa Ana.

Report Attention: Scott Rowlands | Phone: (714)835 6886 | Fax: (714) 667 7144 | Sampled by: Robert Kovacs

Project Name/No.: 29863494 Jean Oakland 10586 | Project Site: 2600 Telegraph Ave Oakland CA

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates. BTEX)	8260B (MTBE Confirm.)	TPH$_g$ (8015M)	VOCs (8260B)	TPH$_d$ TPH$_o$ (8015M)				Remarks
MW-7	UR209048-7	9-7-	730	W	HCl	3V							X	X					
MW-7	-7		730		—	1G									X				
MW-8	-8		800		HCl	3V							X	X					
MW-8	-8		800		—	1G									X				
MW-2	-2		845		HCl	3V							X	X					
MW-2	-2		845		—	1G									X				
MW-4	-4		920		HCl	3V							X	X					
MW-4	-4		920		—	1G									X				
MW-5	-5		1000		HCl	3V							X	X					
MW-5	-5		1000		—	1G									X				
MW-6	-6		1035		HCl	3V							X	X					
MW-6	-6		1035		—	1G									X				
MW-1	-1		1110		HCl	3V							X	X					
MW-1	-1		1110		—	1G									X				
MW-9	-9	↓	1220	↓	HCl	3V							X	X					
MW-9	-9		1220		—	1G									X				

T.A.T. Requested: ☐ Rush 8 12 24 hours ☐ 2-3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Relinquished by	Company	Date	Time	Received by	Company
Robert Kovacs	URS	9-8	1115	Young	STS
Relinquished by	Company	Date	Time	Received by	Company

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

SOUTHLAND TECHNICAL SERVICES, INC.

CHAIN OF CUSTODY RECORD

Lab Job Number UR209048

Client: URS Corp

Address: 2020 E. 1st Street Santa Ana

Report Attention: Scott Rowlands | Phone: 714 8356486 | Fax: 714 667 7147 | Sampled by: Robert Kovacs

Project Name/No.: 29084947 Sears Oakland 10386 | Project Site: 2600 Telegraph Ave. Oakland CA

Client Sample ID	Lab Sample ID	Sample Collect Date	Sample Collect Time	Matrix Type	Sample Preserve	No.,type* & size of container	602/8021 (BTEX,MTBE)	8015M (Gasoline)	8015M (Diesel)	8260B (VOCs)	8260B (Oxygenates, BTEX)	8260B (MTBE Confirm.)	TPH's (8015m)	VOCs (8260B)	TPHd TPHo (8015m)			
EW-1	UR209048-10	9-7	1325	W	HCl	3V							X	X				
EW-1	-10		1325		—	1G									X			
MW-3	-3		1420		HCl	3V							X	X				
MW-3	-3		1420		—	1G									X			
DUP-1	-11		1335		HCl	3V							X	X				
DUP-1	-11		1335		—	1G									X			
EB-1	-12		1445		HCl	3V							X	X				
TB	-13		N/A		HCl	2V							X	X				

Analyses Requested

T.A.T. Requested
☐ Rush 8 12 24 hours
☐ 2-3 days ☒ Normal

Sample Condition
☒ Chilled ☒ Intact
☐ Sample seals

Remarks

Relinquished by	Company	Date	Time	Received by	Company
Robert Kovacs	URS	9-8	1115	Young	STS
Relinquished by	Company	Date	Time	Received by	Company

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Southland Tech. Services, Inc.
7801 Telegraph Road, Suite L & K
Montebello, CA 90640
Tel: (323) 888-0728
Fax: (323) 888-1509

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

APPENDIX E

URS DATA VALIDATION REPORT

Level III Data Validation Summary

PROJECT: Sears Oakland 1058A
LABORATORY: Southland Technical Services, Inc. (STS)
MATRIX: Groundwater
LAB PROJECT #: UR209046
SAMPLES: See table below

Field ID	QC Designations	Lab ID	BTEX, MTBE	TPH-Gasoline	TPH-Diesel, TPH-Oil	Nitrate, Sulfate	Alkalinity	H-Degrader and HPC
FOMW-3		UR209046-1	X	X	X	X	X	X
EB-1	Equipment blank	UR209046-5	X	X				
FOMW-5		UR209046-3	X	X	X	X	X	X
FOMW-4		UR209046-2	X	X	X	X	X	X
Dup-1	Field duplicate of FOMW-4	UR209046-4	X	X	X	X	X	
TB	Trip blank	UR209046-6	X	X				

Date Sampled: 9/06/02
TPH-Gasoline = Total petroleum hydrocarbons, gasoline range (C4-C10).
TPH-Diesel = Total petroleum hydrocarbons, diesel range (C11-C23). TPH-Oil = Total petroleum hydrocarbons, oil range (C24-C40).
BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes. MTBE = Methyl t-butyl ether.
STS is certified by California Department of Health Services, Environmental Laboratory Accreditation Program, ELAP Certificate Number 1986

DATA REVIEW MATRIX

QC Parameter	BTEX, MTBE EPA 8021B	TPH-Gasoline EPA 5030/8015M	TPH-Diesel, TPH-Oil EPA 3510C/8015M	Nitrate, Sulfate EPA352.1/375.4	Alkalinity EPA 310.1	H-Degrader and HPC SM9215A/ SM9215B
Chain-of-custody (COC)	✓	✓	✓	✓	✓(3)	✓(4)
Sample Receipt	✓	✓	✓	✓	✓	✓
Holding Times	✓	✓	✓	✓	✓	✓
Method Blank	✓	✓	✓	✓	NP	✓
Surrogate Recovery	✓	✓	✓	NA	NA	NA
Laboratory Control Sample	✓	✓	✓	✓	NP	✓
Matrix Spike	(1)	(1)	✓(2)	NP	NP	NP
Duplicate, or Spike Duplicate	(1)	(1)	✓(2)	NP	NP	NP
Field Duplicate	✓	✓	✓	✓	✓	NC
Trip Blank	✓	✓	NA	NC	NC	NC
Equipment Blank	✓	✓	NA	NC	NC	NC

✓ = Quality control evaluation criteria met.
NA = Not Applicable or Not Analyzed NP = Not Provided NC = Not Collected

Notes:
1. MS/MSD was conducted on a non-site related sample; therefore, the MS/MSD results obtained may not be fully representative of the accuracy and precision of the analysis on the site-specific sample matrix.
2. MS/MSD was conducted on sample Dup-1. The results were within acceptance criterion.
3. Analyses subcontracted to Americhem Testing Laboratories, ELAP certificate number 1758.
4. Analyses performed at CytoCulture Environmental Biotechnology Laboratories.

Summary: Based on this Level III validation covering the QC parameters listed in the table above, these data are considered to be useable for meeting project objectives without qualification. However, the data user must evaluate the ultimate usability of the data based on the reporting limits obtained. The table below lists the detection limits obtained for undiluted samples.

Analyte	Detection Limits Obtained
TPH-Gasoline	50
TPH-Diesel	500
TPH-Oil	2000
Benzene	0.5
Toluene	0.5
Ethylbenzene	0.5
Xylenes	0.5
MTBE	1.0
Alkalinity	1000
Nitrate	50
Sulfate	1000

Aqueous units are microgram per Liter (µg /L).

Samples did not require dilution for the EPA 8021B, and EPA 8015M analyses.

APPENDIX F

WORK PLAN FOR CONFIRMATION SOIL BORINGS

WORK PLAN FOR CONFIRMATION SOIL BORINGS
FORMER SEARS AUTO CENTER #1058B
2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
CASE I.D. # STID 1082
FOR SEARS, ROEBUCK & CO.

URS Job No. 29863494
January 23, 2003

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FIGURES

WORK PLAN FOR CONFIRMATION SOIL BORINGS
FORMER SEARS AUTO CENTER #1058B
2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
CASE I.D. # STID 1082
URS JOB NO. 29863494
FOR SEARS, ROEBUCK & CO.

1.0 INTRODUCTION

This work plan has been prepared by URS Corporation on behalf of Sears, Roebuck & Co. (Sears). It presents proposed methods for drilling and sampling confirmation soil borings in areas of former underground storage tanks (USTs). The former Sears Auto Center is located at 2600 Telegraph Avenue in Oakland, California (Figure 1). The former gasoline USTs, fuel dispensing system, motor oil USTs and used oil UST were associated with the former Sears Auto Center (Figure 2).

Currently, the Site consists of a Former Sears Auto Center converted to a commercial strip mall. A number of USTs were installed and operated in connection with the gasoline concession and auto center. Five 1,000-gallon motor oil USTs and one 2,000-gallon motor oil UST were previously located on the east side of the former auto center building. One 1,000-gallon used oil UST and two 10,000 gallon gasoline USTs were previously located on the west side of the former auto center building. The USTs were installed in the 1960s. The two 10,000-gallon USTs, associated with the gasoline concession were removed prior to 1990. American Environmental Management Corporation (AEMC) removed all the USTs containing motor oil and used oil in September 1990 (AEMC, October 1990). A site map showing the former UST locations is provided as Figure 2.

The purpose of the proposed confirmation soil borings is to assess the residual concentrations of petroleum hydrocarbons and volatile organic compounds (VOCs) in the vadose zone soils in the areas of the removed USTs onsite. Results of the confirmation sampling will be used to evaluate the Site for closure using Risk Based Screening Levels (RBSLs) published in the *Oakland Urban Land Redevelopment (ULR) Guidance Document* (January 2000), and the Regional Water Quality Control Board, San Francisco Region's (RWQCB) *Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater* (December 2001).

The Site characterization will be performed under the direct supervision of a California Registered Geologist. The proposed work will be performed under regulatory oversight of the Alameda County

Environmental Health Services (ACEHS). A description of the proposed investigative methods is presented in the following sections.

2.0 HEALTH AND SAFETY PLAN

Pursuant to Health and Safety Code 1910.120, and prior to initiating the field activities, URS will prepare a Site-specific Health & Safety plan to:

- Identify and describe potentially hazardous substances which may be encountered during field operations;
- Specify protective equipment and clothing for on-site activities; and
- Outline measures to be implemented in the event of an emergency.

URS field personnel and sub-contractors will review requirements of the Health & Safety plan during a "tail-gate safety meeting" to be conducted on the Site prior to commencing field work. Field monitoring activities will be recorded in the Health and Safety Plan. A copy of the Health and Safety Plan will remain onsite during field operations.

3.0 UTILITY CLEARANCE

In accordance with California State Assembly Bill 73, URS will notify Underground Services Alert (USA) at least 48 hours prior to initiation of intrusive field tasks. Proposed locations of subsurface investigation will be marked with white paint or surveyors flagging as required by USA. USA will contact utility owners of record within the Site vicinity and notify them of our intention to conduct subsurface investigations in proximity to buried utilities. All utility owners of record, or their designated agents, will be expected to clearly mark the position of their utilities on the ground surface throughout the area designated for investigation.

For investigative areas where the presence of underground services or utilities is unclear or unknown, surface geophysics will be used in an effort to identify subsurface lines and obstructions. Geophysical methods may include: magnetics, electromagnetics, ground penetrating radar (GPR), and electromagnetic line location. Magnetics and electromagnetics are used to identify underground tanks, drums, and conduits. These features are detected due to the ferrous and electrically conductive material of their construction. GPR may be used as a follow-up technology to characterize identified magnetic or electromagnetic anomalies.

4.0 SOIL BORING AND SAMPLING PROCEDURES

Twelve confirmation soil borings will be drilled at the Site at the proposed locations shown on Figure 2. The borings will be drilled using a CME 75 (or equivalent) drill rig equipped with eight-inch diameter augers. The first five feet of each boring will be drilled when possible, using hand auger equipment to avoid potential damage to undetected buried structures. The borings will be completed at a depth of approximately 30 feet bgs, or first groundwater.

Soil samples will be collected at 5-foot intervals, and at any locations where field evidence of hydrocarbon impact is encountered, through the hollow stem of the auger using a split-spoon sampler fitted with stainless steel sleeves. The sampler will be driven 18 inches with a standard 30-inch drop of a 140-pound hammer. Hammer blow counts will be recorded every six inches over the 18-inch sampling interval.

Upon retrieval of the sampler, the sample sleeves will be separated. The leading sample ends will be covered with Teflon™ film and fitted with snug-fitting plastic end caps, which will then be sealed with Parafilm™. Sample labels will then be affixed to the end caps with the following information: boring designation, sample number, sample depth, date, collector initials, Site/owner, sample location, and time of collection. The sealed and labeled samples will then be transferred to an ice chest containing blue ice and transported to a California DHS accredited laboratory for analysis. The samples will be logged onto Chain of Custody forms to be maintained through delivery to the laboratory. Soil in remaining sleeves at each sample interval will be used for lithologic description.

During drilling operations, an organic vapor monitor (OVM) will be used to monitor the presence and level of organic vapors, which may potentially be present in the borings and cuttings and to screen soil samples. These organic vapor readings will be recorded onto boring logs to be prepared by the field geologist during sample collection. The boring log will include a record of the following sampling information: boring number and boring location; sample identification numbers; time; sample depths; lithologic descriptions (in accordance with the Unified Soils Classification System [USCS]); descriptions of any visible evidence of soil impact (i.e. odor, staining); inches the sampler was driven; inches of soil recovered; and organic vapor readings in parts per million (ppm).

After sampling is completed, all borings will be grouted to the surface with a bentonite/Portland cement mixture. Boring locations will be resurfaced to match existing conditions.

5.0 LABORATORY ANALYSIS PROGRAM

The soil samples collected from the confirmation borings will be submitted to a DHS accredited laboratory for analysis. The soil samples will be analyzed for TPHg, TPHd, and TPHo by modified EPA Method 8015M. The samples will also be analyzed for VOCs including BTEX and the fuel oxygenates MTBE, DIPE, ETBE, TAME, and TBA by EPA Method 8260B.

6.0 EQUIPMENT DECONTAMINATION

Equipment used during field investigations and sampling will be decontaminated prior to use at each sampling point to reduce the potential for the introduction of contamination and cross-contamination in accordance with the guidelines and procedures discussed below. These procedures are necessary to ensure quality control in decontamination of field equipment and to serve as a means to identify and correct potential errors in the sample collection and sample handling procedures.

Decontamination of all drilling and field sampling equipment will be conducted in a thorough and step-wise manner and documented in the field logs. All drilling equipment will be cleaned thoroughly (inside and outside) using a steam cleaner. Downhole equipment will be cleaned prior to drilling each boring. Downhole sampling equipment will be cleaned prior to each sampling event using a dilute Alconox solution followed by double rinsing with fresh water, followed by a distilled water rinse.

7.0 WASTE MANAGEMENT

Decontamination fluids and soil cuttings generated during drilling and sampling activities will be placed in DOT-approved 55-gallon drums. Containers will be numbered, and labeled with the date, well/boring number, and contents to identify the source of the wastes. The containers will be stored onsite in a designated area and properly disposed of by Sears, Roebuck & Co. following review of the chemical analysis data.

8.0 DATA ANALYSIS AND REPORT PREPARATION

Data collected during the confirmation sampling program and historical ground water monitoring events will be used to evaluate the Site for closure under the City of Oakland ULR Program and the RWQCB's guidance documents. The results of our findings will be presented in a report, which will include the following details:

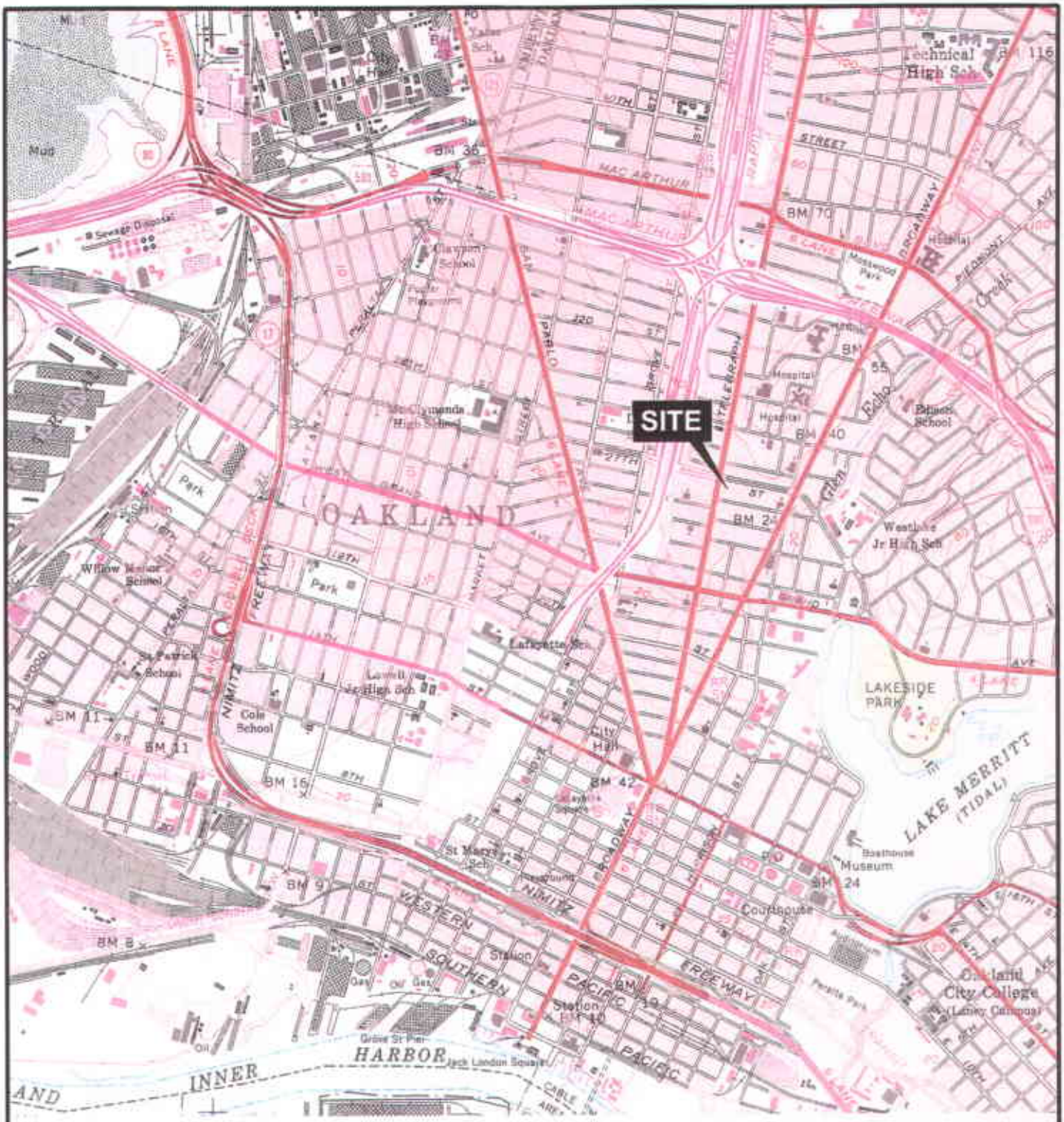
- Review of the Site history, as well as soil and groundwater analytical data,
- Review of the regional and Site-specific hydrogeology,
- Description of the field investigative methods,
- A summary of the analytical testing results,
- Site maps showing the extent of residual soil and groundwater impacts on the Site,
- A Site closure evaluation,
- Conclusions and recommendations regarding current Site environmental conditions.

9.0 REFERENCES

American Environmental Management Corporation, 1990. *Underground Storage Tank Removal Sears, Roebuck and Co., Oakland California,* Sears Auto Center # 1058, 2600 Telegraph Avenue, Oakland, California, October 12.

California Regional Water Quality Control Board—San Francisco Bay Region Groundwater Committee (RWQCB), 2001. *Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater.* December 2001.

City of Oakland Public Works Agency, 2000. *Oakland Urban Land Redevelopment Program: Guidance Document,* January 1.



REFERENCE: USGS 7.5 Minute Series Oakland West, CA Quad, 1959, Photorevised 1980

FIGURE 1

VICINITY MAP

FORMER SEARS AUTO CENTER #1058
2600 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
For Sears, Roebuck & Co.

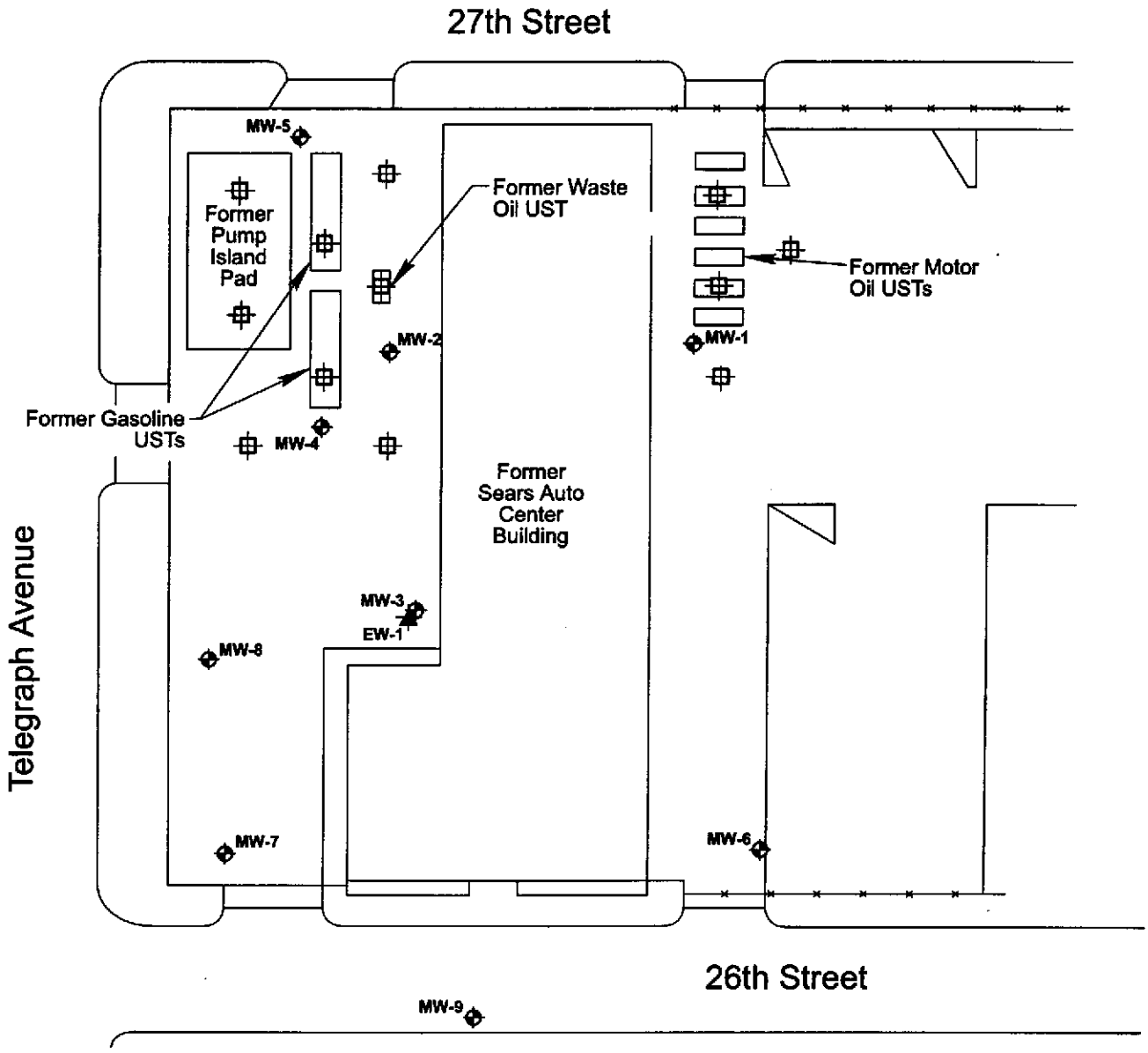
N

0 1/2 1

Scale in Miles

URS

L:/sears/topo #10588 fh10 4/02



LEGEND

- MW-8 — MONITORING WELL LOCATION
- EW-1 — EXTRACTED WELL LOCATION
- CHAIN LINK FENCE
- PROPOSED CONFIRMATION SOIL BORING LOCATION

0 20 40
Scale in Feet

PROPOSED CONFIRMATION SOIL BORING LOCATIONS

Project: Sears Auto Center #1058, 2600 Telegraph Avenue, Oakland, CA

Project No.: 29863494

Date.: JANUARY 2003

Figure 2

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L:/Sears/proposed confirm boring loc.fh10 12/02