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A Member of The IT Group

SOIL AND GROUNDWATER ASSESSMENT REPORT
SEARS AUTO CENTER NO. 1039
1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

February 9, 2000

Prepared for:
Mr. Scott DeMuth
Manager, Environmental Technical Services
Sears, Roebuck and Company
3333 Beverly Road
Dept. 824EV, A2-245A
Hoffman Estates, IL 60179

IT CORPORATION
Submitted by:

David Poley
Staff Hydrogeologist

IT CORPORATION
Approved by:

REGISTERED GEOLOGIST EDVARDAS (ED) K. SIMONIS No. 4452

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Senior Geologist

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West Zone Project Manager

1039MWI OAK

EXECUTIVE SUMMARY

Sears Auto Center No. 1039, located at 1911 Telegraph Avenue in Oakland, California, is an active automotive service center. Monitoring well installation was performed in response to Alameda County Health Care Services Agency concerns regarding an increase in petroleum hydrocarbon concentrations reported from groundwater samples collected from monitoring well MW-7, the site's downgradient well. Although monitoring well MW-7 had increasing petroleum hydrocarbon concentrations in 1997-1998, with peak concentrations in February 1998, petroleum hydrocarbon concentrations have been decreasing in MW-7 since that time. The recently installed wells are identified as monitoring wells MW-8 and MW-9. These monitoring wells serve as new downgradient wells to the site source (a former Chevron station), and serve as sampling points that are closest to current and historic Sears activities at the site.

On November 2, 1999, two monitoring wells (MW-8 and MW-9) were installed at the site with a truck-mounted, rotary drill rig equipped with hollow-stem augers. Two soil samples were collected from each boring: one from above and one from within the capillary fringe. These samples were submitted for laboratory analysis. A 2-inch-diameter, 25-foot-deep monitoring well was completed in each boring. Following well development, groundwater samples were collected from these wells in conjunction with the fourth quarter groundwater monitoring and sampling event. The soil and groundwater samples were analyzed for oil and grease using Environmental Protection Agency (EPA) Method 418.1; for total petroleum hydrocarbons as gasoline (TPH-g) using EPA Method 8015 Modified; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) using EPA Method 8020. The groundwater samples were additionally analyzed for chlorinated hydrocarbons using EPA Method 8010.

Petroleum hydrocarbons were not detected in the soil samples, except for the sample collected at 10 feet below ground surface from MW-8, which reported 9.2 milligrams per kilogram of total recoverable petroleum hydrocarbons. TPH-g and BTEX were not detected in the groundwater samples. Dissolved MTBE was detected only in monitoring well MW-9 at a concentration of 3.0 micrograms per liter (μg/L) using EPA Method 8020 and was confirmed at a concentration of 2.4 μg/L using EPA Method 8260. Chlorinated hydrocarbons were detected in monitoring wells MW-8 and MW-9. In well MW-8, methylene chloride and tetrachloroethene (PCE) were detected at concentrations of 6.0 and 6.2 μg/L, respectively. In well MW-9, PCE, 1,2-dichloroethane and trichloroethene (TCE) were detected at concentrations of 65, 32, and 29 μg/L, respectively. Nondetectable levels of TPH-g and BTEX in the new wells indicate that the downgradient extent of dissolved gasoline-range petroleum hydrocarbons has been defined. The source of the dissolved chlorinated hydrocarbons, particularly PCE and TCE, is not known. The new downgradient monitoring wells will continue to be sampled on a quarterly basis.

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1.0 INTRODUCTION

IT Corporation installed two monitoring wells at Sears Store No. 1039, an active automotive service center (Figure 1). Monitoring well installation activities were performed according to a letter work plan dated October 21, 1999 from IT Corporation to the Alameda County Health Care Services Agency (Agency), and according to work plan responses dated October 28, 1999 from the Agency (Appendix A). Monitoring well installation was performed in response to Agency concerns regarding an increase in petroleum hydrocarbon concentrations at the site's downgradient well (MW-7). Although monitoring well MW-7 had increasing petroleum hydrocarbon concentrations in 1997-1998, with peak concentrations in February 1998, petroleum hydrocarbon concentrations have been decreasing in groundwater samples collected from MW-7 since that time. The new wells are identified as monitoring wells MW-8 and MW-9 on Figure 2. The monitoring wells serve as new downgradient wells to the site source (a former Chevron station) (Figure 3), and serve as sampling points closest to current and historic Sears activities.

All drilling/sampling activities were performed under the direction of Mr. Scott DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co., 3333 Beverly Road, Dept. 768EV, A2-245A, Hoffman Estates, IL 60179, (847) 286-5530. The consultant work was conducted under the supervision of Mr. David Bero, IT Corporation, 4005 Port Chicago Highway, Concord, California, 94520, (925) 288-2024. The lead agency for the site is the Alameda County Health Care Services Agency.

2.0 SITE BACKGROUND

2.1 Site Description

The site is currently an active Sears Auto Center, located at the intersection of 19th Street and Telegraph Avenue (Figure 1). The site is surrounded by a private parking garage to the northwest, the Sears retail store to the northeast, and other businesses to the southeast and southwest.

2.2 Background

The Sears site consists of the Sears Auto Center and a parking area where a previous site investigation was performed and seven monitoring wells were installed. The seven groundwater monitoring wells, MW-1 through MW-7, are sampled on a quarterly basis. Historical groundwater sampling data indicate that petroleum hydrocarbon concentrations in on-site wells are decreasing. Petroleum hydrocarbon concentrations in monitoring well MW-7 were greatest from 1997 to 1998, and

currently appear to be deceasing. Groundwater levels fluctuate about 1 to 2 feet on a seasonal basis. The groundwater flow direction at the site has consistently been to the east or east-southeast.

3.0 GEOLOGY/HYDROGEOLOGY

The site is located on relatively flat land at an elevation of approximately 60 feet above sea level, one mile northeast of Oakland Inner Harbor. Lake Merritt lies 2,000 feet southeast, and the trace of the Hayward Fault is located about 3 miles northeast of the site. The shallow sedimentary deposits beneath the site consist of Quaternary alluvium and beach and dune sand deposits (Merritt Sand) (U.S. Geological Survey Professional Paper 943).

Encountered material from recent drilling activities at the site consisted of a heterogeneous mixture of sandy clay, clayey sand, and gravelly sand from ground surface to about 8 feet below ground surface (bgs). These deposits are underlain by fine, well sorted sand to 24 feet bgs and by silty fine sand from 24 to 25 feet bgs, the total depth of each boring.

Groundwater was encountered at 17 feet bgs during drilling activities. Historically, shallow groundwater flow at the site has been to the east and southeast with a hydraulic gradient of approximately 0.01 foot per foot.

4.0 DRILLING METHODS AND SAMPLING PROCEDURES

Two soil borings were drilled and sampled, and then completed as monitoring wells downgradient of the former Chevron facility (Figure 2). The soil borings were drilled using 8-inch-diameter hollow-stem augers (HSA) to a total depth of 25 feet bgs and were then converted to monitoring wells MW-8 and MW-9. Drilling was performed by Gregg Drilling and Testing, Inc. (Gregg Drilling), under the supervision of IT Corporation. To ensure that utility damage did not occur from drilling, both borings were cleared for utilities prior to drilling activities and were hand augered to 5 feet bgs.

Soil samples were collected at 5-foot intervals with a split-spoon sampler containing 1.5-inch-diameter brass tubes. The soil samples from each 5-foot interval were described according to the Unified Soil Classification System and were documented on drilling logs (Appendix B). Volatile organic compounds from each sample interval were monitored with a photoionization detector. The sample tubes of soil submitted for laboratory analysis were capped at each end with a Teflon® sheet and plastic lid. Each lid was secured with sample tape, and the sample was labeled and placed on ice in an insulated container for delivery to a state-certified laboratory. Two soil samples were collected from each boring: one from above and one from within the capillary fringe. Soil samples collected from depths of 10, 16.5, and 18 feet bgs in monitoring well MW-8, and soil samples collected from depths of 10, 15, and 16 feet bgs in monitoring well MW-9, were submitted for laboratory analysis.

Agency personnel were present on-site during all soil sampling activities to confirm that sampling activities were performed in accordance with Agency requirements.

5.0 MONITORING WELL INSTALLATION AND DEVELOPMENT PROCEDURES

Upon completion of soil sampling activities, the borings were completed as monitoring wells . The monitoring wells were constructed of Schedule 40 PVC consisting of a 0.5-foot endcap, 15 feet of 2-inch-diameter 0.020-inch slotted screen, and approximately 10 feet of 2-inch-diameter blank casing to ground surface. The annular space between the borehole and well casing was backfilled with No. 3 Lonestar Sand. The sand filter pack was placed from the bottom of the borehole to 8 feet bgs, which is approximately 1.5 to 2 feet above the well screen. A 3-foot transition seal composed of bentonite was installed above the filter pack. The transition seal was followed by a grout slurry to ground surface. The monitoring wells were finished with a watertight locking cap inside a traffic-rated street box.

On November 4, 1998, monitoring wells MW-8 and MW-9 were developed by Gregg Drilling. The monitoring wells were developed with a surge block tool mounted to a development rig. Upon using the surge block to surge the well screen, a stainless steel bailer was used to remove sediments. This development method draws fine particles from the formation into the well for removal by purging and allows the well filter pack to settle, improving well filtration. Once each well was surged for approximately 30 minutes, a stainless steel bailer was lowered into the well, and well water was bailed until water quality parameters stabilized. On November 5, 1999, as part of the fourth quarter groundwater monitoring and sampling event, all nine monitoring wells at the site were sampled with a disposable polyethylene bailer. Well development logs, field data sheets, and groundwater monitoring and sample collection protocol are provided in Appendix C.

All sampling equipment was cleaned between sampling intervals with nonphosphate detergent followed by successive rinses of tap and distilled water. This method decontaminates the sampling equipment and prevents cross contamination between sampling events.

6.0 LABORATORY ANALYSES AND RESULTS

The soil and groundwater samples were delivered under chain-of-custody protocol to Sequoia Analytical Laboratory of Walnut Creek, California. The samples were analyzed for oil and grease using Environmental Protection Agency (EPA) Method 418.1; for total petroleum hydrocarbons as gasoline (TPH-g) using EPA Method 8015 Modified; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) using EPA Method 8020. The groundwater samples were additionally analyzed for chlorinated hydrocarbons using EPA Method 8010.

Petroleum hydrocarbons were not detected in the soil samples, except for the sample collected at 10 feet bgs from MW-8 where 9.2 milligrams per kilogram (mg/kg) of total recoverable petroleum hydrocarbons (TRPH) was detected. TPH-g and BTEX were not detected in the groundwater samples. Dissolved MTBE was detected only in monitoring well MW-9 at a concentration of 3.0 micrograms per liter (μg/L) using EPA Method 8020. The presence of MTBE in monitoring wells MW-7 and MW-9 was confirmed using EPA Method 8260 at concentrations of 11 μg/L and 2.4 μg/L, respectively. All monitoring wells contained detectable concentrations of some halogenated volatile organics: 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene, tetrachloroethene (PCE), trichloroethene (TCE), and/or methylene chloride. Most of these chemicals are not typically found in gasoline or new/used motor oil. A distribution map of dissolved benzene, TPH-g, and MTBE concentrations in groundwater is provided in Figure 4. Soil and groundwater analytical results are summarized in Tables 1 and 2, respectively. Laboratory reports and chain-of-custody documents are provided in Appendix D.

7.0 WASTE DISPOSAL

All soil cuttings and purge water from well installation, development, and sampling were placed in 55-gallon drums that were stored on-site pending laboratory analysis. The drums were labeled, and the numbers of drums and their contents were documented on a drum inventory form for proper disposal by Sears. The drum inventory form is provided in Appendix E.

Upon receipt of the laboratory results for the soil and groundwater samples, the drums will be transported off-site to an appropriate disposal facility. All soil and water transported off-site will be shipped with the proper transportation and disposal documentation. Copies of these documents will be kept with the generator.

8.0 SUMMARY AND CONCLUSIONS

The results of the verification assessment conducted at Sears Auto Center No. 1039 are presented below:

- On November 2, 1999, monitoring wells MW-8 and MW-9 were installed to serve as new downgradient wells to the site source, a former Chevron station, and to serve as sampling points closest to current and historic Sears activities.
- Two soil samples, one from above and one from within the capillary fringe, were collected from each boring and submitted for laboratory analysis. Soil samples collected from depths of 10, 16.5, and 18 feet bgs in monitoring well MW-8, and soil samples collected from depths of 10, 15, and 16 feet bgs in monitoring well MW-9, were submitted for laboratory analysis.

- Petroleum hydrocarbons were not detected in the soil samples, except for the sample collected from 10 feet bgs from MW-8 where 9.2 mg/kg of TRPH were reported.

- TPH-g and BTEX were not detected in the groundwater samples. MTBE was detected in monitoring well MW-9 at a concentration of 3.0 μg/L using EPA 8020 and at a concentration of 2.4 μg/L using EPA Method 8260. In well MW-8, methylene chloride and PCE were detected at concentrations of 6.0 and 6.2 μg/L, respectively, and in well MW-9, PCE, 1,2-DCA, and TCE were detected at concentrations of 65, 32, and 29 μg/L, respectively.

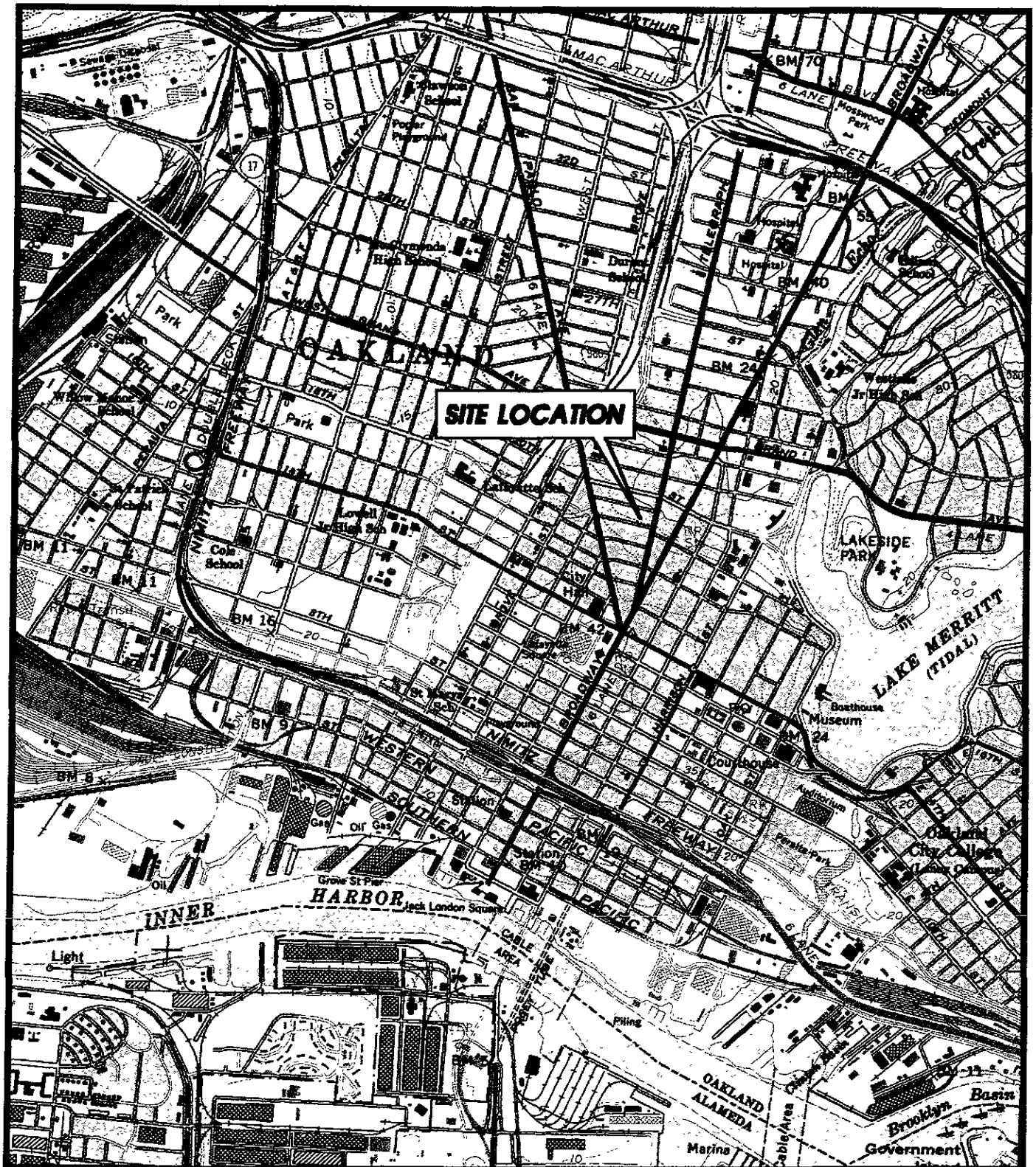
- Nondetectable levels of TPH-g and BTEX in monitoring wells MW-8 and MW-9 indicate that the downgradient extent of the dissolved gasoline-range petroleum hydrocarbon is defined.

- The source of the chlorinated hydrocarbons, particularly PCE and TCE, is not known.

- Monitoring wells MW-8 and MW-9 will continue to be sampled as downgradient wells under the current quarterly groundwater monitoring and sampling program.

FIGURES

1. Site Location Map
2. Site Plan
3. Potentiometric Surface Map (Gauged 11/05/99)
4. Concentrations of Benzene, TPH-as-Gasoline and MTBE in Groundwater (Sampled November 5, 1999)



IT CORPORATION

SOURCE: U.S.G.S. 7.5' QUAD SHEET
OAKLAND WEST, CALIFORNIA
PHOTOREVISED 1980

N

SCALE: 0 FEET 2000

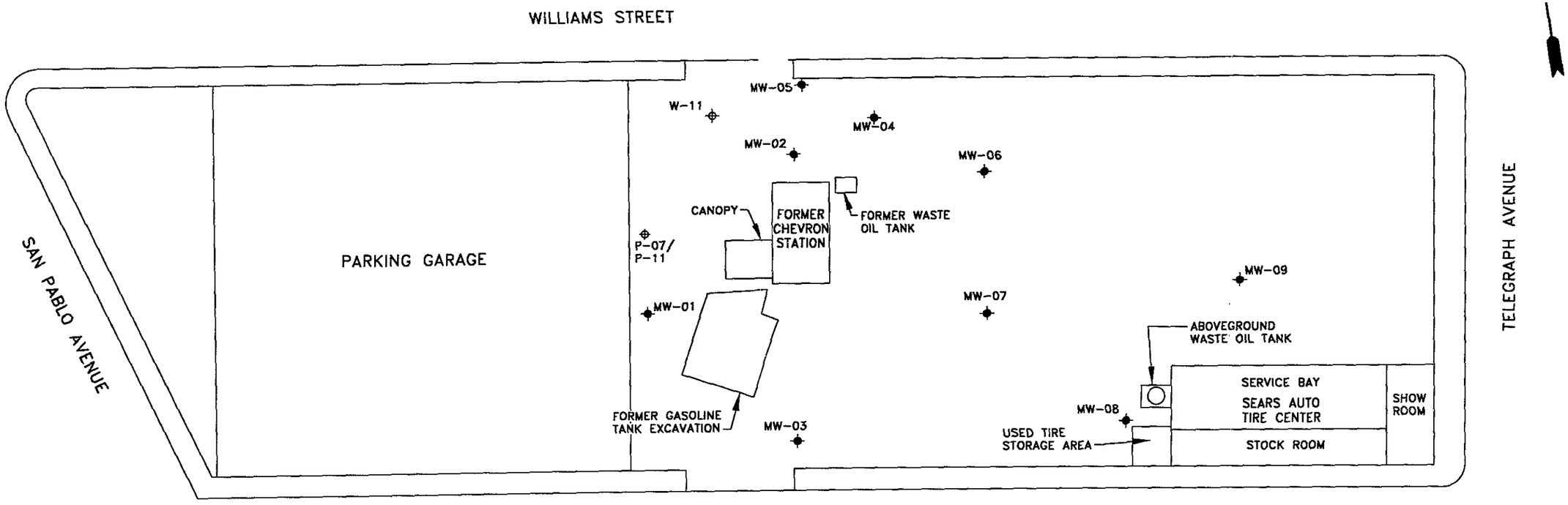
SITE LOCATION MAP

CLIENT: SEARS, ROEBUCK & COMPANY
SITE NO. 1039

DATE: 12/6/99

LOCATION: 1901–1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

FIGURE: 1



LEGEND

- ⌖ MONITORING WELL
- ⊕ SOIL PROBE

IT CORPORATION

0 FEET 50
SCALE

SITE MAP

CLIENT: SEARS, ROEBUCK & CO.
SITE NO. 1039

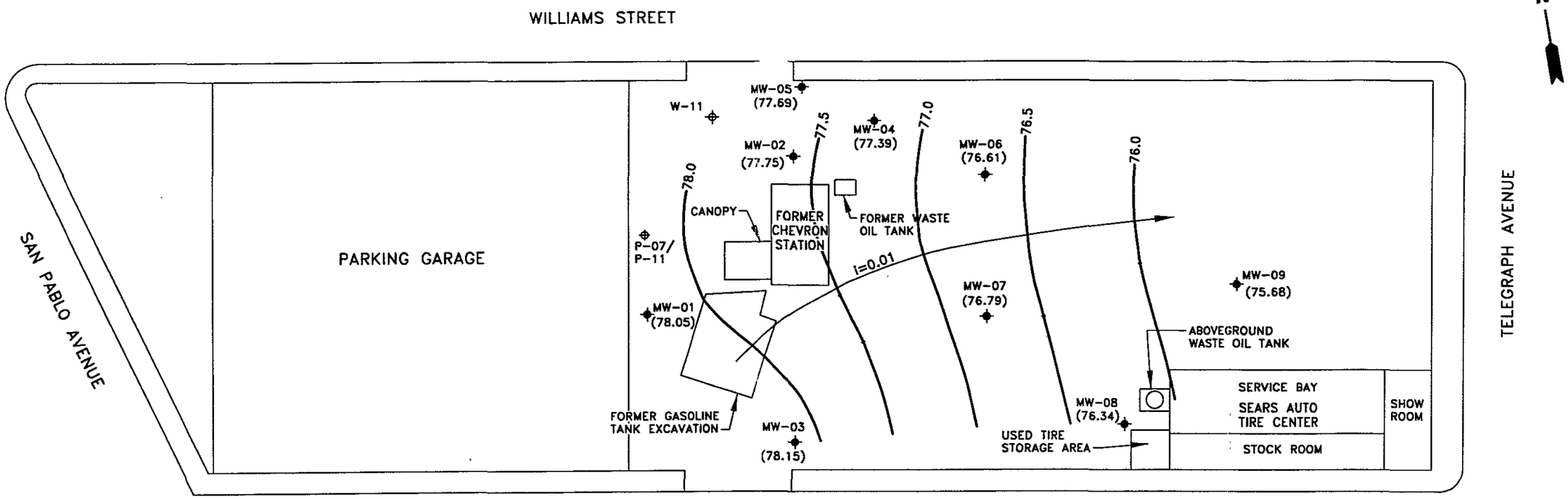
LOCATION: 1901–1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

ACAD FILE:	PROJECT NO.:
SP11599	800458

REV.: 1

DES.:	DET.:	DATE:	FIGURE:
DP	RDB	2/9/00	2

PM: DB 2/11/00 PE/RG: 2-9-00



LEGEND

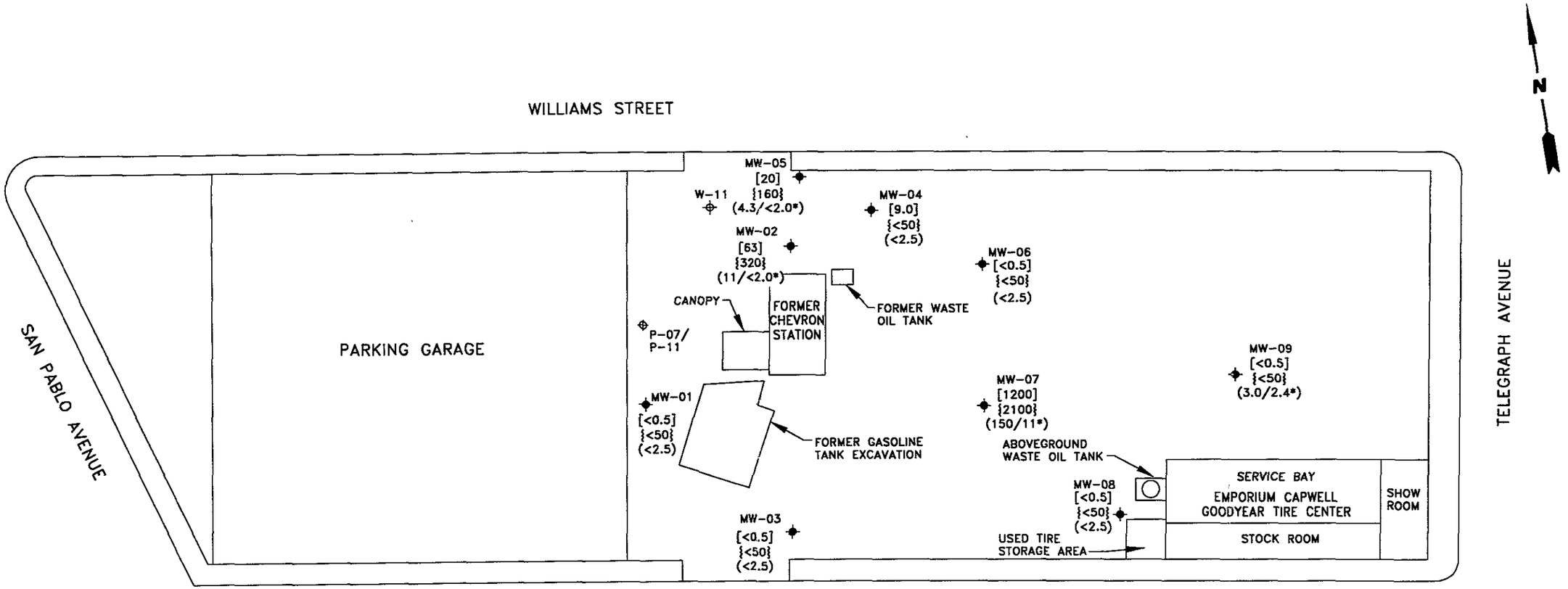
- ⌖ MONITORING WELL
- ⌖ SOIL PROBE
- ( ) POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 FT
- GROUNDWATER FLOW DIRECTION AND
- i=0.01 AVERAGE GRADIENT (ft/ft)

IT CORPORATION

0 FEET 50
SCALE

POTENTIOMETRIC SURFACE MAP (GAUGED NOVEMBER 5, 1999)

CLIENT:	SEARS, ROEBUCK & CO. SITE NO. 1039
LOCATION:	1901–1911 TELEGRAPH AVENUE OAKLAND, CALIFORNIA
ACAD FILE: PSM11599	PROJECT NO.: 800458
REV.: 1	
DES.: DP / DET.: RDB / DATE: 12/9/99	FIGURE: 3
PM: 2/11/00	PE/RG: 2-9-00



LEGEND

- ⌖ MONITORING WELL
- ⌖ SOIL PROBE
- [ ] BENZENE CONCENTRATION [ug/L]
- { } TPH-AS-GASOLINE CONCENTRATIONS {ug/L}
- ( ) METHYL TERT-BUTYL ETHER (MTBE) CONCENTRATIONS (ug/L) (NOT CONFIRMED BY EPA METHOD 8260)
- N/A NOT ANALYZED FOR THIS CONSTITUENT
- * MTBE CONFIRMATION ANALYSIS USING EPA 8260

IT CORPORATION

0 FEET 50
SCALE

CONCENTRATIONS OF BENZENE, TPH-AS-GASOLINE & MTBE IN GROUNDWATER (SAMPLED NOVEMBER 5, 1999)

CLIENT:	SEARS, ROEBUCK & CO. SITE NO. 1039
LOCATION:	1901-1911 TELEGRAPH AVENUE OAKLAND, CALIFORNIA
ACAD FILE: COBTPH1199	PROJECT NO.: 800758
REV.: 1	
DES.: DP / DET.: RDB / DATE: 2/10/00	FIGURE: 4
PM: DB 2/11/00	PE/RG:

TABLES

1. Laboratory Results of Soil Analyses, Sears Auto Center No. 1039
2. Laboratory Results of Groundwater Analyses, Sears Auto Center No. 1039

TABLE 1
Laboratory Results of Soil Analyses

Sears Auto Center No. 1039
Oakland, California
Sample Date: November 2, 1999

				VOCs and Ogygenates										
Sample ID	Depth (feet)	TPH-g	TRPH	Benzene	Toluene	Ethyl-benzene	Xylenes	tert-Butyl alcohol	MTBE	Di-Isopropyl ether	Ethyl tert-butyl ether	1,2-DCA	tert-Amyl methyl ether	1,2-Dibromethane
MW-8	10	<1.0	9.2	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	16.5	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	18	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-9	10	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	15	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	16	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<5.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Note: All analytical results are presented in milligrams per kilogram (mg/kg).

TPH-g = total petroleum hydrocarbons as gasoline analyzed using Environmental Protection Agency (EPA) 8015 Modified
TRPH = total recoverable petroleum hydrocarbons using EPA 418.1
MTBE = methyl tertiary butylether using EPA 8260A
VOCs = volatile organic compounds analyzed using EPA 8260A
1,2-DCA= 1,2-Dichloroethane

TABLE 2
Laboratory Results of Groundwater Analyses

Sears Auto Center No. 1039
Oakland, California
Sample Date: Novemeber 5, 1999

				VOCs								
Sample ID	TPH-g	TRPH	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	PCE	1,2-DCA	Methylene chloride	TCE	cis-1,2-DCE
MW-1	<50	NA	<2.5	<0.50	<0.50	<0.50	<0.50	20	<0.50	<5.0	<0.50	<0.50
MW-2	320	NA	11/<2.0*	63	0.68	0.65	1.1	<0.50	41	6.1	13	1.3
MW-3	<50	NA	<2.5	<0.50	<0.50	<0.50	<0.50	7.2	<0.50	<5.0	<0.50	<0.50
MW-4	<50	<5.0	<2.5	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	8.2	<0.50	<0.50
MW-5	160	NA	4.3/<2.0*	20	<0.50	<0.50	0.76	<0.50	<0.50	5.5	<0.50	<0.50
MW-6	<50	<5.0	<2.5	<0.50	<0.50	<0.50	<0.50	0.89	1.2	5.6	0.89	<0.50
MW-7	2,100	NA	150/ 11*	1,200	<5.0	61	25	3.7	95	<5.0	7.8	1.6
MW-8	<50	<5.0	<2.5	<0.50	<0.50	<0.50	<0.50	6.2	<0.50	6.0	<0.50	<0.50
MW-9	<50	<5.0	3.0/2.4*	<0.50	<0.50	<0.50	<0.50	65	32	<5.0	29	<0.50

Note: All analytical results are presented in micrograms per liter (µg/L).

TPH-g = total petroleum hydrocarbons as gasoline analyzed using Environmental Protection Agency (EPA) 8015 Modified
TRPH = total recoverable hydrocarbons analyzed using SM 5520C/F
MTBE = methyl tertiary butylether and other oxygenates analyzed using EPA 8020
VOCs = volatile organic compounds analyzed using EPA 8260B
PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
1,2-DCA = 1,2-Dichloroethane
* = MTBE confirmation using EPA 8260A
NA = not analyzed

APPENDICES

A. Workplan for investigations at Sears Store No. 1039 (Agency letter dated October 28, 1999)
B. Drilling Logs
C. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheets
D. Laboratory Reports
E. Drum Inventory Form

APPENDIX A

WORKPLAN FOR INVESTIGATIONS AT SEARS STORE NO. 1039 (AGENCY LETTER DATED OCTOBER 28, 1999)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700

October 28, 1999

Scott DeMuth
Sears, Roebuck, and Co.
333 Beverly Rd., Dept 824ev, A2-245A
Hoffman Estates, IL 60179

STID: 1630
Re: Workplan for investigations at Sears Store No. 1039, located at 1911 Telegraph Avenue, Oakland, California

Dear Mr. DeMuth,

This office has reviewed the October 21, 1999 workplan, prepared by IT Corporation for the above site. This workplan is acceptable to this office with the requirement that at least one soil sample be collected from above the capillary fringe from each of the two proposed well locations for VOC analysis in order to assist us in determining whether the VOC-contaminated groundwater is resulting from leaching of VOC-contaminated soils on site.

Additionally, this office received IT Group's letter today, which provided copies of the well logs for Wells MW-5 through MW-7.

The workplan should be implemented within 45 days of the date of this letter (i.e., by December 09, 1999). Any requests for extensions of the schedule, or modifications to the required work, should be submitted in writing to this office.

Thank you for your cooperation. If you have any questions or comments, please contact this office at (510) 567-6763.

Sincerely,

Juliet Shin, R.G.
Hazardous Materials Specialist

Cc: Melissa Gossell
IT Corporation
757 Arnold Drive, Ste D
Martinez, CA 94553-6526

Leroy Griffin
City of Oakland Fire Dept., OES
1605 Martin Luther King Jr. Way
Oakland, CA 94612-1393

APPENDIX B

DRILLING LOGS

Drilling Log

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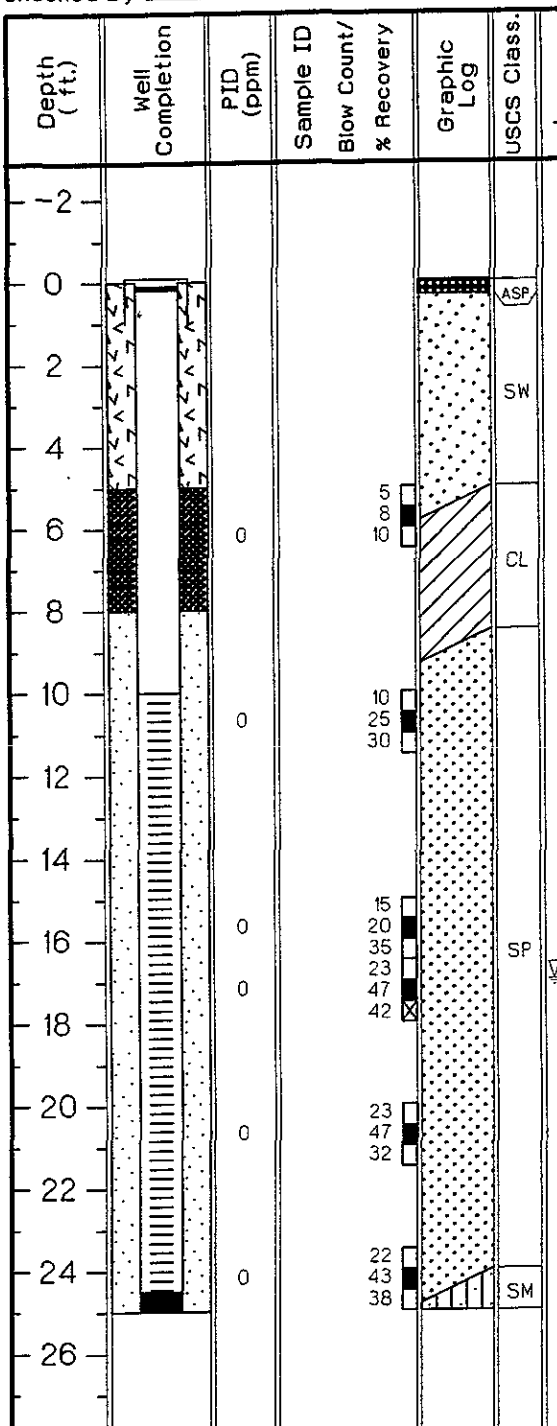
Monitoring Well **MW-08**

Project *Sears Store #1039* Owner *Sears, Roebuck & Co.*
Location *1911 Telegraph Avenue, Oakland, CA* Proj. No. *800458*
Surface Elev. ____ Total Hole Depth *25 ft.* Diameter *2 in.*
Top of Casing ____ Water Level Initial *17 ft.* Static ____
Screen: Dia ____ Length ____ Type/Size *Sch. 40 /0.020 slot in.*
Casing: Dia ____ Length ____ Type *Sch. 40 PVC*
Fill Material *#3 Monterey Sand* Rig/Core ____
Drill Co. *Gregg Drilling Co.* Method *Hollow Stem Auger*
Driller ____ Log By *Dave Poley* Date *11/02/99* Permit # ____
Checked By *Ed Simonis* License No. *California RG#4422*

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Asphalt.

Silty gravelly fine to coarse SAND (10,15,75): brown, moist, loose, no hydrocarbon odor.

Sandy CLAY (40,60): brown, moist, stiff, plastic, trace gravel.

Fine SAND: brown, well sorted, moist, loose, no hydrocarbon odor.

Groundwater Encountered

Grades saturated.

Clayey, silty fine SAND (10,30,60): light gray-brown, wet, soft/loose, no hydrocarbon odor.

Drilling Log

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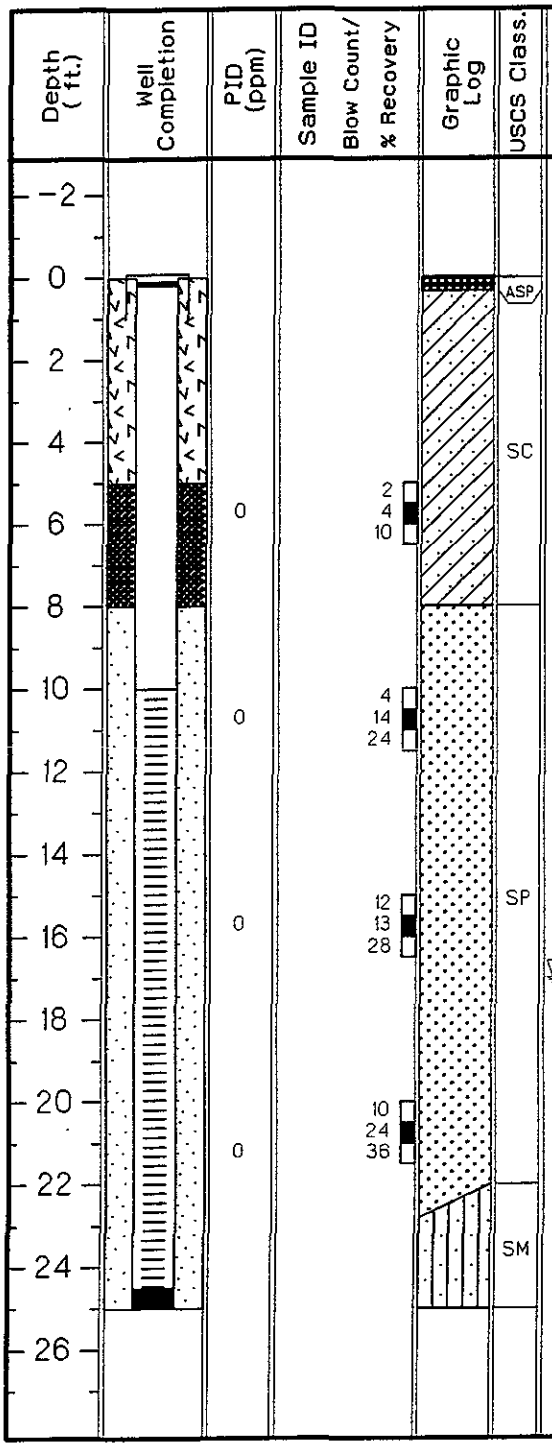
A Member of the IT Group

Monitoring Well **MW-09**

Project *Sears Store #1039* Owner *Sears, Roebuck & Co.*
Location *1911 Telegraph Avenue, Oakland, CA* Proj. No. *800458*
Surface Elev. ____ Total Hole Depth *25 ft.* Diameter *2 in.*
Top of Casing ____ Water Level Initial *17 ft.* Static ____
Screen: Dia ____ Length ____ Type/Size *Sch. 40 /0.020 slot in.*
Casing: Dia ____ Length ____ Type *Sch. 40 PVC*
Fill Material *#3 Monterey Sand* Rig/Core ____
Drill Co. *Gregg Drilling Co.* Method *Hollow Stem Auger*
Driller ____ Log By *Dave Poley* Date *11/02/99* Permit # ____
Checked By *Ed Simonis* License No. *California RG#4422*

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Asphalt.

Clayey fine SAND: brown, moist, no hydrocarbon odor.

Fine SAND: brown, moist, loose, well sorted, subrounded, no hydrocarbon odor.

Groundwater Encountered

Grades silty SAND (10,90): wet.

Silty fine SAND (20,80).

(Hammer lost down hole)

APPENDIX C

GROUNDWATER MONITORING AND SAMPLE COLLECTION PROTOCOL AND FIELD DATA SHEETS

Groundwater Monitoring

Groundwater monitoring is accomplished using a INTERFACE PROBE™ Well Monitoring System. The INTERFACE PROBE™ Well Monitoring System is a hand held, battery operated device for measuring the depth to separate-phase hydrocarbons and depth to water. The INTERFACE PROBE™ Well Monitoring System consists of a dual-sensing probe which utilized an optical liquid sensor and electrical conductivity to distinguish between water and petroleum products.

Monitoring is accomplished by measuring from the surveyed top of well casing or grade to groundwater and separate-phase hydrocarbons if present. The static water elevation is then calculated for each well and a potentiometric surface map is constructed. If separate-phase hydrocarbons are detected the water elevation is adjusted by the following calculation:

(Product thickness) x (0.8) + (Water elevation) = Corrected water elevation

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

Groundwater Sampling

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

Groundwater samples are collected from each well using a new, prepackaged disposable bailer and string. The water sample is decanted from the bailer into laboratory-provided containers (appropriate for the analyses required) so that there is no headspace in the containers. Samples collected for benzene, toluene, ethyl benzene, xylene, and total petroleum hydrocarbons as gasoline analyses are collected in 40-milliliter vials fitted with Teflon® septum lids. Samples are preserved with hydrochloric acid (HCL) to a pH of less then 2. Dissolved metals samples are filtered through a 0.45-micron paper filter in the field and preserved as required before submitting to the laboratory for analyses. All samples are labeled immediately upon collection and logged on the chain-of-custody record. Sample label and chain-of-custody recorded information includes the project name and number, sample identification, date and time of collection, analyses requested, and the sampler's name. Sample bottles are placed in plastic bags (to protect the bottles and labels) and on ice (frozen water) in an insulated cooler and are shipped under chain-of-custody protocol to the laboratory.

The chain-of-custody record documents who has possession of the samples until the analyses is performed. Other pertinent information is also noted for the laboratory use on the chain-of-custody record.

Trip blanks (TBLBs) are used for each project as a quality assurance/quality control measure. The TBLBs are prepared by the laboratory and are placed in the insulated cooler and accompany the field samples throughout the sampling event.

SITE VISIT FORM
IT Corporation - Concord, California

Project: 117601.00 Technician: [illegible]
Site: SEARS/1039/Oakland, CA Scheduled: 11/01/99
Project Mgr: Melissa Gossell Site Mgr: Brad Wooland

PREPARATORY COMMENTS

Visit Date: 11-5-99 Arrival Time: 9:00 Departure Time: 14:30

Work Order read in office: (Y/N) upon arrival: (Y)N upon departure: (Y)N

Called PM? (Y/N) Time: 14:00 Who: Melissa G Topic: Site

Are You In Possession of a Site Safety Plan? (Y/N)

COC: Complete with store #, site address & proj office address? (Y)/N

Job # and task #

GROUNDWATER SAMPLING - Task Nr: 03054300 [Quarterly]

SITE ADDRESS: 1911 Telegraph Avenue, Oakland, CA

cc: Melissa Gossell, Dave Poley

NOTIFY: Jennie Pinocci 48 hrs. in advance (510) 444-7662. (She will insure that wells are not covered). 11/4 9:00 FWJ

Notify Tom Peacock 72 hrs. in advance (510) 567-6782. DONE: Left message 11/4 @ 7:30

During any sampling activities, a minimum work zone will be defined by 10 ft by 10 ft square centered around the monitor well and marked with 36" -high orange traffic cones with flag poles and flag placed in the center of the cone and caution tape stretched between the cones. Employees will be constantly aware of the public access to the work zone and keep them within the outer permeter of the cones and caution tape at all times.

********ATTENTION******* For this quarter charge time required to sample MW-8 and MW-9 to project number 800458.03050300. Also generate a different COC for the samples under this project number.

1. Monitor and sample seven (9) wells in the following order: MW-3, MW-1, MW-6, MW-4, MW-5, MW-2, MW-7, MW-8 and MW-9. USE DISPOSABLE BAILERS. Collect six (6) 40ml HCL-preserved VOA's from all wells.

2. Purge each well of 3 well volumes or until dry. Record pH, temp., conductivity and dissolved oxygen.

SITE VISIT FORM
IT Corporation - Concord, California

Project: 1176601.00 Technician: C. Medina
Site: SEARS/1039/Oakland, CA Scheduled: 11/01/99
Project Mgr: Melissa Gossell Site Mgr: Brad Wooland

GROUNDWATER SAMPLING (Continued) - Task Nr: 03054300 [Quarterly]

3. Collect one trip blank and one duplicate from MW-2 and submit for BTEX- 8020 only. Pick up or have trip blank delivered from lab. Must use lab trip (Sequoia Analytical).

4. Make a complete drum count and note the general condition of the site, wells and drums. Keep drum area tidy. Label drums properly (Non Haz).

5. Submit samples to Sequoia Analytical in Walnut Creek, ph. # (925) 988-9600, to be analyzed for BTEX/MTBE/TPH-G (EPA Method 8020/8015M) and chlorinated hydrocarbons (EPA method 8010). Wells MW-4, MW-6, MW-8 and MW-9 additionally analyze for Oil and Grease (C/F). NOTE ON COC: MTBE DETECTIONS IN 8020 NEED CONFIRMATION BY 8260, PLEASE RUN AS NEEDED.

6. COMPLETED ALL THREE PAGES OF WASTE/DRUM INVENTORY FORM?_____. IF NO, EXPLAIN_____.

Hours Estimated		Hours Used	

FINAL CHECKS

SITE SECURITY: well/covers/gates... secure? Y/N-If No, Explain

WASTE COMPLIANCE: # of Drums w/: Water___, Soil___, Empty___, Other___

DRUMS labeled? NA/Y/N Gen. Date:_____ Label Type:_____

SOIL pile? Y/N size:_____cu.yds. SITE LEFT CLEAN? Y/N

SITE VISIT FORM
IT Corporation - Concord, California

Project: 117660I.00 Technician:
Site: SEARS/1039/Oakland, CA Scheduled: 11/01/99
Project Mgr: Melissa Gossell Site Mgr: Brad Wooland

TECHNICIAN'S COMMENTS

Total Hours Estimated	0.00	Total Hours Used	
Travel Time Estimated	1.00	Travel Time Used	

Technician

SITE VISIT FORM
IT Corporation

Project: Sears/1039/Oakland
Store #: 1039, 1911 Telegraph Ave.
Project Manager: Melissa Gossell

Technician: Heater Meeks
Schedule: 1-5-99
Job No. 1176601.03054300

WELL WATER SAMPLING - TASK Nr: 03054300 [QUARTERLY]
Gauge wells for volume of water & bail 3 well Vol,s. DECON all equipment & change gloves, string, etc. between each well.

Well ID				
MW-1:	DTB_24.25	DTW 16.29	SAT. THICK___	#GAL. BAILED_____
MW-2:	DTB_24.10	DTW 16.20	SAT. THICK___	#GAL. BAILED_____
MW-3:	DTB_27.75	DTW 18.00	SAT. THICK___	#GAL. BAILED_____
MW-4:	DTB_23.55	DTW 14.62	SAT. THICK___	#GAL. BAILED_____
MW-5:	DTB_25.10	DTW 14.40	SAT. THICK___	#GAL. BAILED_____
MW-6:	DTB_26.75	DTW 15.55	SAT. THICK___	#GAL. BAILED_____
MW-7:	DTB_26.20	DTW 17.01	SAT. THICK___	#GAL. BAILED_____
MW-8	DTB_25.00	DTW 18.15	SAT. THICK___	#GAL. BAILED_____
MW-9	DTB_25.00	DTW 16.86	SAT. THICK___	#GAL. BAILED_____

NOTES: Monitored and Sampled all Wells.

HOURS ESTIMATED: HOURS USED:

FINAL CHECKS

Are Wells Locked? (YES) NO Why Not?

Are Manholes Bolted Down? (YES) NO Why Not?

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5-99
Page _____ of _____
Project Manager: Melissa Gossell

Well ID: MW-1
Well Diameter: 2

DTW Measurements:
Initial: 16.29
Recharge: _____
DTB: 24.10

Calc Well Volume: 1.2 gal
Well Volume: X3 3.8 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
9:51	18.9	0.72	6.54	1.2	0	cloudy	
9:52	19.2	0.68	6.44		1		
9:53	19.4	0.56	6.38		2		DRY @ 2 Gallons
					3		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5-99
Page _____ of _____
Project Manager: Melissa Gossell

Well ID: MW-3
Well Diameter: 4

DTW Measurements:
Initial: 18.00
Recharge: _____
DTB: 27.75

Calc Well Volume: 6.3 gal
Well Volume: x3 19.1 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:10	21.0	0.75	6.07	0.66	5	cloudy	
10:12	21.7	0.71	5.98		10		
10:14	21.6	0.83	5.97		15		DRY @ 15 Gallons
					20		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5 99
Page ____ of ____
Project Manager: Melissa Gossell

Well ID: MW-6
Well Diameter: 2

DTW Measurements:
Initial: 15.55
Recharge: ____
DTB: 26.75

Calc Well Volume: 1.8 gal
Well Volume: X3 5.4 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible Y

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

Instruments Used
YSI: ~~X~~
Hydac: ____
Omega: ____
Other: ____

Time	Temp ~~C~~ F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:30	21.1	1.77	6.03	0.38	1	BROWN	
10:30	21.1	1.79	6.06	/	2	|	
10:31	21.4	1.72	6.15	/	3	|	
10:31	21.7	1.80	6.20	/	4	|	
10:32	21.8	1.84	6.23	/	5	|	DRY @ 5 GALLONS

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5-09
Page _____ of _____
Project Manager: Melissa Gossell

Well ID: MW-4
Well Diameter: 4

DTW Measurements:
Initial: 14.62
Recharge: _____
DTB: 23.55

Calc Well Volume: 5.8 gal
Well Volume: 17.4 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp ~~C~~ F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:44	22.7	1.46	6.26	0.54	5	cloudy	
10:47	22.7	1.54	6.33	/	10	↓	Dry @ 10 gallons
					15		
					18		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11.5.99
Page ____ of ____
Project Manager: Melissa Gossell

Well ID: MW-5
Well Diameter: 2

DTW Measurements:
Initial: 14.40
Recharge: ____
DTB: 25.10

Calc Well Volume: 11 gal
Well Volume: ~~X3~~ 5.2 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

Instruments Used
YSI: X
Hydac: ____
Omega: ____
Other: ____

Time	Temp ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:55	22.3	2.15	6.46	0.40	1	GREY-ODOR	
10:56	22.2	1.84	6.47		2		
10:57	22.2	2.10	6.48		3		
10:58	22.2	2.26	6.51		4		DRY @ 4 GALLONS
					5		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11.5.99
Page ____ of ____
Project Manager: Melissa Gossell

Well ID: MW-2
Well Diameter: 4

DTW Measurements:
Initial: 16.20
Recharge: ____
DTB: 24.10

Calc Well Volume: 5.1 gal
Well Volume X3 15.4 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

Instruments Used
YSI: X
Hydac: ____
Omega: ____
Other: ____

Time	Temp ☒ C ☐ F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:06	21.8	1.96	6.30	0.50	5	cloudy	
11:08	22.0	2.00	6.22	/	10	↓	DRY @ 10 gallons
					15		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11.5.99
Page ____ of ____
Project Manager: Melissa Gossell

Well ID: MW-8
Well Diameter: 2

DTW Measurements:
Initial: 18.15
Recharge: ____
DTB: 25.10

Calc Well Volume: 11 gal
Well Volume X3 33 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

Instruments Used
YSI: X
Hydac: ____
Omega: ____
Other: ____

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11.17	21.8	2.04	6.23	6.26	1	Cloudy	
11.18	21.5	0.86	6.53	/	2	BROWN	
11.19	21.4	0.87	6.60	/	3	/	DRY @ 3 GALLONS

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5-99
Page _____ of _____
Project Manager: Melissa Gossell

Well ID: MW-9
Well Diameter: 2

DTW Measurements:
Initial: 16.86
Recharge: _____
DTB: 25.00

Calc Well Volume: 13 gal
Well Volume: X3 40 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp ~~C~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:30	21.6	1.54	6.38	4.60	1	BROWN	
11:31	21.9	1.65	6.37	/	2	/	
11:32	22.0	1.28	6.38	/	3	/	DRY @ 3 GALLONS
				/	4		
				/			

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 1176601.03054300

Date: 11-5-99
Page ____ of ____
Project Manager: Melissa Gossell

Well ID: MW-7
Well Diameter: 2

DTW Measurements:
Initial: 17.01
Recharge: ____
DTB: 26.20

Calc Well Volume: 1.4 gal
Well Volume: X3 4.4 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

Instruments Used
YSI: X
Hydac: ____
Omega: ____
Other: ____

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:36	22.0	1.52	6.38	0.40	1	cloudy	
11:37	21.8	1.58	6.27	/	2	/	
11:37	21.8	1.47	6.24	/	3	/	
11:38	21.8	1.36	6.22	/	4	/	

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP 1911 TELEGRAPH AVE

Sears Facility Contact and Phone # Brad Woodland.

IT Corporation Representative H Merino

Accumulation Start Date 11-5-99 Completion Date: 11-5-99

Exact Drum Storage Location GARAGE

CONTENTS	# OF DRUMS	DRUM ID (A,B,C...) OR (1,2,3...)	LID TYPE (OPEN OR BUNG)	LABEL TYPE: HAZARDOUS, NON-HAZARDOUS, UNCLASSIFIED	DRUM DESCRIPTION: COLOR, CONDITION, MARKINGS
GASOLINE			O or B	H / N / U	
GASOLINE/WATER MIXTURE			O or B	H / N / U	
GASOLINE IMPACTED PURGE WATER	3	E, F, G	(O) or B	H / (N) / U	BLACK W/ HOSE
GASOLINE TANK BOTTOMS/SLUDGE			O or B	H / N / U	
GASOLINE IMPACTED DEBRIS			O or B	H / N / U	
GASOLINE IMPACTED SOIL			O or B	H / N / U	
FUEL OIL (INC. DIESEL & HEATING OIL)			O or B	H / N / U	
FUEL OIL/WATER MIXTURE			O or B	H / N / U	
FUEL OIL IMPACTED PURGE WATER			O or B	H / N / U	
FUEL OIL TANKS BOTTOMS/SLUDGE			O or B	H / N / U	
FUEL OIL IMPACTED DEBRIS			O or B	H / N / U	
FUEL OIL IMPACTED SOIL			O or B	H / N / U	
HYDRAULIC FLUID			O or B	H / N / U	
HYDRAULIC FLUID/WATER MIXTURE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED PURGE WATER			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SLUDGE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED DEBRIS			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SOIL			O or B	H / N / U	
USED OIL			O or B	H / N / U	
USED OIL/WATER MIXTURE			O or B	H / N / U	
USED OIL IMPACTED PURGE WATER			O or B	H / N / U	
USED OIL TANK BOTTOMS/SLUDGE			O or B	H / N / U	
USED OIL IMPACTED DEBRIS			O or B	H / N / U	
USED OIL IMPACTED SOIL			O or B	H / N / U	
CHLORINATED SOLVENT:			O or B	H / N / U	
NON-CHLORINATED SOLVENT:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	

NOTE: There should *NEVER* be 2 drums with the same ID present at a site at the same time!

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 City/State 1911 TELEGRAPH AVE

IT Corporation Representative H. Herrera

THERE SHOULD NEVER BE 2 DRUMS WITH THE SAME DRUM ID PRESENT AT A SITE AT THE SAME TIME

DRUM ID	ACCUMULATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific) MW09 GROUNDWATER WELLS	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	11-2-99	SOIL CUTTINGS	SOIL CUTTINGS	/	55
B	11-2-99	↓	↓	/	55
C	11-3-99	↓	↓	/	55
D	11-3-99	↓	↓	/	55
E	11-4-99	DECON WATER	MW 8,9	?	30
F	11-5-99	PURGE WATER	ALL WELLS	NO	30
G	11-5-99	PURGE WATER	ALL WELLS	NO	30

EXAMPLE

A	6/24/94	diesel(3)/water(8)	diesel lines, flush water	no	11

NOTE: There should *NEVER* be 2 drums with the same ID present at a site at the same time!

BULK MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP 1711 TEEGARDEN

Sears Facility Contact and Phone # _____

IT Corporation Representative H Martinez

Accumulation Start Date 11-5-99 Completion Date 11-5-99

Exact Bulk Storage Location GARAGE

CONTAMINANTS	SOIL (Cu Yds)	DEBRIS (Cu Yds)	LIQUID (Gallons)
GASOLINE			
FUEL OIL			
HYDRAULIC FLUID			
USED OIL			
CHLORINATED SOLVENT:			
NON-CHLORINATED SOLVENT:			
OTHER:			
OTHER:			

SOIL PILE CALCULATIONS

Calculation for a tent shaped soil pile:

Length _____ X Width _____ X Height _____ ÷ 2 ÷ 27 = _____ Yds^3

Calculation for a rectangular or square shaped soil pile:

Length _____ X Width _____ X Height _____ ÷ 27 = _____ Yds^3

Calculation for a conical (cone) shaped soil pile:

.04 X Radius _____ X Radius _____ X Height _____ = _____ Yds^3

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☑ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
☐ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT CORP	Project Name: SEARS - 1911 TELEGRAPH # 1039
Mailing Address: 4005 PORTCHESTER HWY	Billing Address (if different):
City: MARTINEZ State: CA Zip Code: 94520	1176601.03054300
Telephone: (925) 288-9898 FAX #: (925) 2880888	P.O. #:
Report To: MELISSA GOSSELL Sampler: H MERWIN	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☐ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours STANDARD

☐ Drinking Water ☐ ~~Waste~~ GROUNDWATER ☐ Other

Analyses Requested

#	Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	CHLORINATED HYDROCARBONS 8010	BTEX/MTBE/TPH-G 8020/8015M	OIL & GREASE (5520)	Comments
1	MW-1	11-5-99 12:30	GW	6	40ML		X	X		MTBE DETECTIONS Need Confirmation BY 8260
2	MW-3	12:35	GW	6	40ML		X	X		
3	MW-8	12:50	GW	8	40ML GLITER		X	X	X	BTEX TPHG/MTBE 8020/8015M
4	MW-7	13:05	GW	6	40ML		X	X		CHLORINATED HYDROCARBONS EPA METHOD 8010
5	MW-4	13:20	GW	8	40ML GLITER		X	X	X	OIL + GREASE (O.I.T.)
6	MW-5	13:38	GW	6	40ML		X	X		
7	MW-2	13:46	GW	6	40ML		X	X		
8	DUP	13:47	GW	3	40ML				X	
9	TBLB	—	DI	1	40ML				X	
10										

White - Sequoia Yellow - Sequoia Pink - Client

Relinquished By:	Date: 11/5/99	Time: 14:00	Received By:
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By Lab:

Date: | Time:
Date: | Time:
Date: 11/5 | Time: 14:40

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment:

SEQUOIA ANALYTICAL CHAIN OF CUSTODY

☐ 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☒ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
☐ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: I T CORP	Project Name: SEARS / 1911 TELEGRAPH #1039
Mailing Address: 4005 PORT CHICAGO HWY	Billing Address (If different):
City: MARTINEZ State: CA Zip Code: 94520	800458-03050300
Telephone: (925) 288-9898 FAX #: (925) 288-0888	
Report To: MELISSA GOSSELL Sampler: H Marino	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☐ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours STANDARD

☐ Drinking Water ☒ Waste Water (Ground) ☐ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	CHLORINATED HYDROCARBONS	BTEX/MTBE TPHG	OIL + GREASE						Comments
1. MW-8	11/5/99 12:42	GW	8	40mL GL LITER		X	X	X						MTBE DETECTIONS
2. MW-9	↓ 12:55	↓	8			X	X	X						IN 8020 NEED CONFIRMATION
3.														BY 8260
4.														BTEX/MTBE/TPH-G EPA METHOD 8020/8015M
5.														CHLORINATED HYDROCARBONS EPA METHOD 8010
6.														OIL + GREASE (IR)
7.														
8.														
9.														
10.														

Relinquished By: [signature]	Date: 11/5/99	Time: 14:40	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 11/5/99	Time: 14:40

[redacted] Page [redacted] of [redacted]

White - Sequoia Yellow - Sequoia Pink - Client

GREGG

MONITORING WELL DEVELOPMENT LOG

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level

Sample ID ______

Qty. of Drilling Fluid Lost ______

Well Number: MW-5

Date: 11/4/98

Time Start: 10:35 End: ______

Client: [illegible]

Project: [illegible]

Job Number: ______

Installation Date: 11/2/98

Well Diameter: 2"

Borehole Diameter: 8"

Screen Length: 15'

Measured Depth (pre-development): 24.88

Measured Depth (post-development): 24.91

Static Water Level (ft.): 15.76

Standing Water Column (ft.): 8.72

One Well Volume (gal.): 1.4

One Annulus Vol. (gal.): ______

Minimum Gal. to be Purged: [illegible]

Development Method: Surge Block, Pump [illegible]

Purging Equipment: [illegible]

Water Level Equipment: [illegible]

pH/EC Meter: [illegible]

Turbidity Meter: ______

Other: ______

Time	Amount Purged (gal)	EC	pH	Temp.	Turbidity	D.O.	SAL.	GPM / W.L.	Comments	Field Tech.
		Field Parameters Measured								
10:38	Surge well [illegible]									
10:58	30	1.38	7.69	80.4	[illegible]	--	0.06		Color: Brown	
11:04	7	1.50	7.44	80.3	[illegible]	--	0.05		[illegible]	
11:20	12	1.05	7.38	79.8	[illegible]	--	0.04		[illegible]	
11:50	16	.769	7.09	80.1	[illegible]	--	0.04		well dewatered	
11:37	20	[illegible]	6.99	80.1	[illegible]	--	0.05		recharged [illegible]	
									away 15' 18 [illegible]	

FINAL FIELD PARAMETER MEASUREMENTS

GREGG

MONITORING WELL DEVELOPMENT LOG

All measurements taken from: ☑ Top of Casing ☐ Protective Casing ☐ Ground Level

Sample ID ____________

Qty. of Drilling Fluid Lost ____________

Well Number MW-4

Date 11/4/99

Time Start: 8:30 End: ____

Client ____

Project Sims - Oakland

Job Number ____

Installation Date 11/2/99

Well Diameter 2"

Borehole Diameter 8"

Screen Length 15'

Measured Depth (pre-development) 22.43

Measured Depth (post-development) 24.97

Static Water Level (ft.) 16.92

Standing Water Column (ft.) 8.05

One Well Volume (gal.) 1.37

One Annulus Vol. (gal.) ____

Minimum Gal. to be Purged ____

Development Method Surge Block Pump (Positive)

Purging Equipment ____

Water Level Equipment Solinst

pH/EC Meter Horiba U-10

Turbidity Meter ____

Other ____

Time	Amount Purged (gal)	EC	pH	Temp.	Turbidity	D.O.	SAL.	GPM / W.L.	Comments	Field Tech.
9:00	Purged prior to surging to remove sloughs into borehole									
9:10		Surge Well Twice							"Fine" Sands	
9:55	7	2.21	6.80	20.5	>999	–	0.10		Well dewatering	
10:01	10	1.81	6.76	20.5	>999	–	0.08		recharges it	
10:18	14	1.57	6.89	20.9	>999	–	0.07		every 5-6 seconds	
10:30	18	1.54	6.82	20.8	>999	–	0.06			

FINAL FIELD PARAMETER MEASUREMENTS

APPENDIX D

LABORATORY REPORTS

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

17 November, 1999

Dave Poley
IT Corporation
4005 Port Chicago Hwy.
Concord, CA 94520

RE: Sears

Enclosed are the results of analyses for samples received by the laboratory on 02-Nov-99 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma
Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8-10	W911084-01	Soil	02-Nov-99 09:27	02-Nov-99 17:00
MW-8-16.5	W911084-02	Soil	02-Nov-99 09:35	02-Nov-99 17:00
MW-8-18	W911084-03	Soil	02-Nov-99 09:44	02-Nov-99 17:00
MW-9-10	W911084-04	Soil	02-Nov-99 13:15	02-Nov-99 17:00
MW-9-16	W911084-05	Soil	02-Nov-99 13:35	02-Nov-99 17:00
MW-9-15	W911084-06	Soil	02-Nov-99 13:30	02-Nov-99 17:00

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

D Sharma

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8-10 (W911084-01) Soil Sampled: 02-Nov-99 09:27 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.0 %*	*40-140*		"	"	"	"	
MW-8-16.5 (W911084-02) Soil Sampled: 02-Nov-99 09:35 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.0 %*	*40-140*		"	"	"	"	
MW-8-18 (W911084-03) Soil Sampled: 02-Nov-99 09:44 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.0 %*	*40-140*		"	"	"	"	
MW-9-10 (W911084-04) Soil Sampled: 02-Nov-99 13:15 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*40-140*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9-16 (W911084-05) Soil Sampled: 02-Nov-99 13:35 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate. a,a,a-Trifluorotoluene		*90.0 %*	*40-140*		"	"	"	"	
MW-9-15 (W911084-06) Soil Sampled: 02-Nov-99 13:30 Received: 02-Nov-99 17:00									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	9K10002	10-Nov-99	10-Nov-99	DHS LUFT	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.7 %*	*40-140*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8-10 (W911084-01) Soil Sampled: 02-Nov-99 09:27 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.0 %*		*50-150*		"	"	"	
MW-8-16.5 (W911084-02) Soil Sampled: 02-Nov-99 09:35 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80.0 %*		*50-150*		"	"	"	
MW-8-18 (W911084-03) Soil Sampled: 02-Nov-99 09:44 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*		*50-150*		"	"	"	

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Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9-10 (W911084-04) Soil Sampled: 02-Nov-99 13:15 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84.0 %*		*50-150*		"	"	"	
MW-9-16 (W911084-05) Soil Sampled: 02-Nov-99 13:35 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80.0 %*		*50-150*		"	"	"	
MW-9-15 (W911084-06) Soil Sampled: 02-Nov-99 13:30 Received: 02-Nov-99 17:00									
tert-Butyl alcohol	ND	5.0	mg/kg	100	9K10023	09-Nov-99	10-Nov-99	EPA 8260A	
Methyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*50-150*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*76.0 %*		*50-150*		"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8-10 (W911084-01) Soil	**Sampled: 02-Nov-99 09:27**	**Received: 02-Nov-99 17:00**							
TRPH	9.2	5.0	mg/kg	1	9K11019	11-Nov-99	12-Nov-99	EPA 418.1	
MW-8-16.5 (W911084-02) Soil	**Sampled: 02-Nov-99 09:35**	**Received: 02-Nov-99 17:00**							
TRPH	ND	5.0	mg/kg	1	9K11019	11-Nov-99	12-Nov-99	EPA 418.1	
MW-8-18 (W911084-03) Soil	**Sampled: 02-Nov-99 09:44**	**Received: 02-Nov-99 17:00**							
TRPH	ND	5.0	mg/kg	1	9K11019	11-Nov-99	12-Nov-99	EPA 418.1	
MW-9-10 (W911084-04) Soil	**Sampled: 02-Nov-99 13:15**	**Received: 02-Nov-99 17:00**							
TRPH	ND	5.0	mg/kg	1	9K11019	11-Nov-99	12-Nov-99	EPA 418.1	
MW-9-16 (W911084-05) Soil	**Sampled: 02-Nov-99 13:35**	**Received: 02-Nov-99 17:00**							
TRPH	ND	5.0	mg/kg	1	9K15029	15-Nov-99	15-Nov-99	EPA 418.1	
MW-9-15 (W911084-06) Soil	**Sampled: 02-Nov-99 13:30**	**Received: 02-Nov-99 17:00**							
TRPH	ND	5.0	mg/kg	1	9K15029	15-Nov-99	15-Nov-99	EPA 418.1	

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Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K10002: Prepared 10-Nov-99 Using EPA 5030B [MeOH]										
Blank (9K10002-BLK1)										
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.680*		"	*0.600*		*113*	*40-140*			
LCS (9K10002-BS1)										
Benzene	0.880	0.0050	mg/kg	0.800		110	50-150			
Toluene	0.732	0.0050	"	0.800		91.5	50-150			
Ethylbenzene	0.754	0.0050	"	0.800		94.2	50-150			
Xylenes (total)	2.54	0.0050	"	2 40		106	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0*		"	*0 600*			*40-140*			*A-01*
Matrix Spike (9K10002-MS1)					**Source: W911084-03**					
Benzene	0.830	0.0050	mg/kg	0.800	ND	104	50-150			
Toluene	0.696	0.0050	"	0.800	ND	87.0	50-150			
Ethylbenzene	0.706	0.0050	"	0.800	ND	88.2	50-150			
Xylenes (total)	2.42	0.0050	"	2.40	ND	101	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.456*		"	*0.600*		*76.0*	*40-140*			
Matrix Spike Dup (9K10002-MSD1)					**Source: W911084-03**					
Benzene	0.830	0.0050	mg/kg	0.800	ND	104	50-150	0	20	
Toluene	0.696	0.0050	"	0.800	ND	87.0	50-150	0	20	
Ethylbenzene	0.708	0.0050	"	0.800	ND	88.5	50-150	0.283	20	
Xylenes (total)	2.40	0.0050	"	2.40	ND	100	50-150	0.830	20	
Surrogate: a,a,a-Trifluorotoluene	*0.462*		"	*0.600*		*77.0*	*40-140*			

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Volatile Organic Compounds by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K10023: Prepared 09-Nov-99 Using EPA 5030B [MeOH]										
Blank (9K10023-BLK1)										
tert-Butyl alcohol	ND	5.0	mg/kg							
Methyl tert-butyl ether	ND	0.10	"							
Di-isopropyl ether	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.10	"							
1,2-Dichloroethane	ND	0.10	"							
tert-Amyl methyl ether	ND	0.10	"							
1,2-Dibromoethane	ND	0.10	"							
Surrogate: Dibromofluoromethane	*2.65*		"	*2.50*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98.0*	*50-150*			
LCS (9K10023-BS1)										
Methyl tert-butyl ether	2.61	0.10	mg/kg	2.50		104	70-130			
Surrogate: Dibromofluoromethane	*2 75*		"	*2.50*		*110*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*50-150*			
Matrix Spike (9K10023-MS1)					**Source: W911084-06**					
Methyl tert-butyl ether	1.78	0.10	mg/kg	2.50	ND	71.2	60-140			
Surrogate: Dibromofluoromethane	*2.10*		"	*2.50*		*84.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*1 75*		"	*2.50*		*70.0*	*50-150*			
Matrix Spike Dup (9K10023-MSD1)					**Source: W911084-06**					
Methyl tert-butyl ether	1.99	0.10	mg/kg	2.50	ND	79.6	60-140	11.1	25	
Surrogate: Dibromofluoromethane	*2.10*		"	*2.50*		*84.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*1.75*		"	*2.50*		*70.0*	*50-150*			

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
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IT Corporation 4005 Port Chicago Hwy. Concord CA, 94520	Project: Sears Project Number: Sears # 1039 Project Manager: Dave Poley	**Reported:** 17-Nov-99 10:55

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K11019: Prepared 11-Nov-99 Using EPA 3550A										
Blank (9K11019-BLK1)										
TRPH	ND	5.0	mg/kg							
LCS (9K11019-BS1)										
TRPH	184	5.0	mg/kg	200		92.0	70-130			
Matrix Spike (9K11019-MS1)					**Source: W911135-01**					
TRPH	226	5.0	mg/kg	200	89	68.5	60-140			
Matrix Spike Dup (9K11019-MSD1)					**Source: W911135-01**					
TRPH	247	5.0	mg/kg	200	89	79.0	60-140	8.88	30	
Batch 9K15029: Prepared 15-Nov-99 Using EPA 3550A										
Blank (9K15029-BLK1)										
TRPH	ND	5.0	mg/kg							
LCS (9K15029-BS1)										
TRPH	191	5.0	mg/kg	200		95.5	70-130			
Matrix Spike (9K15029-MS1)					**Source: W911084-06**					
TRPH	168	5.0	mg/kg	200	ND	84.0	60-140			
Matrix Spike Dup (9K15029-MSD1)					**Source: W911084-06**					
TRPH	152	5.0	mg/kg	200	ND	76.0	60-140	10.0	30	

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Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Dave Poley	17-Nov-99 10:45

Notes and Definitions

A-01	The secondary surrogate recovery of 111% is used to validate the batch.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Dimple Sharma, Project Manager

❑ 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
[redacted] SEQUOIA ANALYTICAL [redacted] [redacted]19 S[redacted] Ave[redacted]ite 8[redacted]cram[redacted], CA[redacted]34 •[redacted]) 92[redacted]00 FA[redacted](916) 92[redacted]0100 [redacted]

CHAIN OF CUSTODY

❑ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
❑ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
❑ 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: IT CORPORATION	Project Name: SEARS OAKLAND 1039
Mailing Address: 4005 PORT CHICAGO HWY	Billing Address (if different): W911084
City: CONCORD State: CA Zip Code: 94820	~~W911083~~ [initials] 11/3/99
Telephone: 925.288.2117 FAX #: 925.288.0888	P.O. #:
Report To: D. POLEY Sampler: D. POLEY	QC Data: ❑ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

Turnaround Time: ■ 10 Working Days ❑ 7 Working Days ❑ 5 Working Days ❑ 3 Working Days ❑ 2 Working Days ❑ 24 Hours ❑ 2 - 8 Hours

❑ Drinking Water ❑ Waste Water ❑ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	BTEX EPA 8020	MTBE + OXYGENATES EPA 8020	TPH-G EPA 5015m	OIL/GREASE EPA 418.2						Comments
1. MW-8-10	11/2/99 0927	SOIL	1	BRASS	01A	✓	✓	✓	✓						CONFIRM ALL
2. MW-8-16.5	↓ 0935	↓	↓	↓	02A	✓	✓	✓	✓						MTBE DETECTS
3. MW-8-18	0944				03A	✓	✓	✓	✓						VIA EPA 8260.
4. MW-9-10	1315				04A	✓	✓	✓	✓						↓
5. MW-9-16	1335				05A	✓	✓	✓	✓						
6. MW-9-15	11/2/99 1330	SOIL	1	BRASS	06A	✓	✓	✓	✓						
7.															
8.															
9.															
10.															

Handwritten in the margin beside the comments: O&G by 418 as per Dave Poley on 11/3/9[9]. Run MTBE + oxygenates by 8260 + Cancel MTBE Confirmations ~~as per Dave~~ Poley on 11/3/ at 11[...]

Relinquished By: D. Poley IT CORP	Date: 11/2/99	Time: 1700	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 11/2	Time: 17:00

Were Samples Received in Good Condition? ❑ Yes ❑ No Samples on Ice? ❑ Yes ❑ No Method of Shipment________ Page ___ of ___

Pink - Client Yellow - Sequoia White - Sequoia

Sequoia
Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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FAX (925) 988-9673

22 November, 1999

Melissa Gossell
IT Corporation
4005 Port Chicago Hwy.
Concord, CA 94520

RE: Sears

Enclosed are the results of analyses for samples received by the laboratory on 05-Nov-99 14:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dimple Sharma
Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	W911177-01	Water	05-Nov-99 12:30	05-Nov-99 14:40
MW-3	W911177-02	Water	05-Nov-99 12:35	05-Nov-99 14:40
MW-6	W911177-03	Water	05-Nov-99 12:50	05-Nov-99 14:40
MW-7	W911177-04	Water	05-Nov-99 13:05	05-Nov-99 14:40
MW-4	W911177-05	Water	05-Nov-99 13:25	05-Nov-99 14:40
MW-5	W911177-06	Water	05-Nov-99 13:38	05-Nov-99 14:40
MW-2	W911177-07	Water	05-Nov-99 13:46	05-Nov-99 14:40
DUP	W911177-08	Water	05-Nov-99 13:47	05-Nov-99 14:40
TBLB	W911177-09	Water	05-Nov-99 00:00	05-Nov-99 14:40
MW-8	W911177-10	Water	05-Nov-99 12:42	05-Nov-99 14:40
MW-9	W911177-11	Water	05-Nov-99 12:55	05-Nov-99 14:40

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W911177-01) Water Sampled: 05-Nov-99 12:30 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*		*70-130*	"	"	"	"	
MW-3 (W911177-02) Water Sampled: 05-Nov-99 12:35 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*		*70-130*	"	"	"	"	
MW-6 (W911177-03) Water Sampled: 05-Nov-99 12:50 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*		*70-130*	"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W911177-04) Water Sampled: 05-Nov-99 13:05 Received: 05-Nov-99 14:40									**P-01**
Purgeable Hydrocarbons	**2100**	500	ug/l	10	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	**1200**	5.0	"	"	"	"	"	8015M/8020	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**61**	5.0	"	"	"	"	"	"	
Xylenes (total)	**25**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*	*70-130*		"	"	"	"	
MW-4 (W911177-05) Water Sampled: 05-Nov-99 13:25 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	**9.0**	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	
MW-5 (W911177-06) Water Sampled: 05-Nov-99 13:38 Received: 05-Nov-99 14:40									**P-01**
Purgeable Hydrocarbons	**160**	50	ug/l	1	9K11002	11-Nov-99	11-Nov-99	EPA	
Benzene	**20**	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.76**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.3**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.7 %*	*70-130*		"	"	"	"	

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Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (W911177-07) Water Sampled: 05-Nov-99 13:46 Received: 05-Nov-99 14:40									**P-01**
Purgeable Hydrocarbons	**320**	50	ug/l	1	9K11002	11-Nov-99	11-Nov-99	EPA	
Benzene	**63**	0.50	"	"	"	"	"	8015M/8020	
Toluene	**0.68**	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.65**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.1**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**11**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	
MW-8 (W911177-10) Water Sampled: 05-Nov-99 12:42 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	
MW-9 (W911177-11) Water Sampled: 05-Nov-99 12:55 Received: 05-Nov-99 14:40									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K11002	11-Nov-99	11-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.0**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*	*70-130*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

BTEX by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DUP (W911177-08) Water Sampled: 05-Nov-99 13:47 Received: 05-Nov-99 14:40									**P-01**
Benzene	**60**	0.50	ug/l	1	9K11002	11-Nov-99	11-Nov-99	EPA 8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.67**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.0**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	
TBLB (W911177-09) Water Sampled: 05-Nov-99 00:00 Received: 05-Nov-99 14:40									
Benzene	ND	0.50	ug/l	1	9K10003	10-Nov-99	10-Nov-99	EPA 8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W911177-04) Water Sampled: 05-Nov-99 13:05 Received: 05-Nov-99 14:40									**A-01**
Methyl tert-butyl ether	**11**	2.0	ug/l	1	9K15021	12-Nov-99	14-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		*120 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*50-150*		"	"	"	"	
MW-5 (W911177-06) Water Sampled: 05-Nov-99 13:38 Received: 05-Nov-99 14:40									**A-01**
Methyl tert-butyl ether	ND	2.0	ug/l	1	9K15021	12-Nov-99	14-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		*108 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*50-150*		"	"	"	"	
MW-2 (W911177-07) Water Sampled: 05-Nov-99 13:46 Received: 05-Nov-99 14:40									**A-01**
Methyl tert-butyl ether	ND	2.0	ug/l	1	9K15021	12-Nov-99	14-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		*108 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*50-150*		"	"	"	"	
MW-9 (W911177-11) Water Sampled: 05-Nov-99 12:55 Received: 05-Nov-99 14:40									
Methyl tert-butyl ether	**2.4**	2.0	ug/l	1	9K15021	12-Nov-99	14-Nov-99	EPA 8260A	
Surrogate: Dibromofluoromethane		*112 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*50-150*		"	"	"	"	

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Dimple Sharma, Project Manager

Sequoia Analytical

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Walnut Creek, CA 94598
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W911177-01) Water Sampled: 05-Nov-99 12:30 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**20**	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*98.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W911177-02) Water Sampled: 05-Nov-99 12:35 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**7.2**	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*98.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*50-150*		"	"	"	"	

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Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W911177-03) Water Sampled: 05-Nov-99 12:50 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**1.2**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**5.6**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**0.89**	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	**0.89**	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*65.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W911177-04) Water Sampled: 05-Nov-99 13:05 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**95**	2.5	"	5	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	1	"	"	"	"	
cis-1,2-Dichloroethene	**1.6**	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**3.7**	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	**7.8**	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*72.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*		"	"	"	"	

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (W911177-05) Water Sampled: 05-Nov-99 13:25 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**8.2**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*80.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (W911177-06) Water Sampled: 05-Nov-99 13:38 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**5.5**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*81.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (W911177-07) Water Sampled: 05-Nov-99 13:46 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**41**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.3**	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**6.1**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	**13**	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*33.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (W911177-10) Water Sampled: 05-Nov-99 12:42 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**6.0**	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**6.2**	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*80.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (W911177-11) Water Sampled: 05-Nov-99 12:55 Received: 05-Nov-99 14:40									
Bromodichloromethane	ND	0.50	ug/l	1	9K16005	16-Nov-99	16-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**32**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**65**	2.5	"	5	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	**29**	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*81.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*140 %*	*50-150*		"	"	"	"	

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W911177-03) Water	**Sampled: 05-Nov-99 12:50**	**Received: 05-Nov-99 14:40**							
TRPH	ND	5.0	mg/l	1	9K18024	18-Nov-99	18-Nov-99	SM 5520C/F	
MW-4 (W911177-05) Water	**Sampled: 05-Nov-99 13:25**	**Received: 05-Nov-99 14:40**							
TRPH	ND	5.0	mg/l	1	9K18024	18-Nov-99	18-Nov-99	SM 5520C/F	
MW-8 (W911177-10) Water	**Sampled: 05-Nov-99 12:42**	**Received: 05-Nov-99 14:40**							
TRPH	ND	5.0	mg/l	1	9K18024	18-Nov-99	18-Nov-99	SM 5520C/F	
MW-9 (W911177-11) Water	**Sampled: 05-Nov-99 12:55**	**Received: 05-Nov-99 14:40**							
TRPH	ND	5.0	mg/l	1	9K18024	18-Nov-99	18-Nov-99	SM 5520C/F	

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K10003: Prepared 10-Nov-99 Using EPA 5030B [P/T]										
Blank (9K10003-BLK1)										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			
LCS (9K10003-BS1)										
Benzene	20.5	0.50	ug/l	20.0		103	70-130			
Toluene	20.7	0.50	"	20.0		104	70-130			
Ethylbenzene	20.5	0.50	"	20.0		103	70-130			
Xylenes (total)	63.8	0.50	"	60.0		106	70-130			
Surrogate: a,a,a-Trifluorotoluene	*25.8*		"	*30.0*		*86.0*	*70-130*			
Matrix Spike (9K10003-MS1)					**Source: W911177-01**					
Benzene	21.7	0.50	ug/l	20.0	ND	109	70-130			
Toluene	22.2	0.50	"	20.0	ND	111	70-130			
Ethylbenzene	22.3	0.50	"	20.0	ND	111	70-130			
Xylenes (total)	69.3	0.50	"	60.0	ND	116	70-130			
Surrogate: a,a,a-Trifluorotoluene	*26.3*		"	*30.0*		*87.7*	*70-130*			
Matrix Spike Dup (9K10003-MSD1)					**Source: W911177-01**					
Benzene	20.6	0.50	ug/l	20.0	ND	103	70-130	5.20	20	
Toluene	21.0	0.50	"	20.0	ND	105	70-130	5.56	20	
Ethylbenzene	20.9	0.50	"	20.0	ND	104	70-130	6.48	20	
Xylenes (total)	65.0	0.50	"	60.0	ND	108	70-130	6.40	20	
Surrogate: a,a,a-Trifluorotoluene	*25.9*		"	*30.0*		*86.3*	*70-130*			

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K11002: Prepared 11-Nov-99 Using EPA 5030B [P/T]										
Blank (9K11002-BLK1)										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*25.8*		"	*30.0*		*86.0*	*70-130*			
LCS (9K11002-BS1)										
Benzene	20.3	0.50	ug/l	20.0		101	70-130			
Toluene	20.6	0.50	"	20.0		103	70-130			
Ethylbenzene	20.7	0.50	"	20.0		104	70-130			
Xylenes (total)	64.1	0.50	"	60.0		107	70-130			
Surrogate: a,a,a-Trifluorotoluene	*25.9*		"	*30.0*		*86.3*	*70-130*			
Matrix Spike (9K11002-MS1)					**Source: W911276-03**					
Benzene	20.2	0.50	ug/l	20.0	ND	101	70-130			
Toluene	20.4	0.50	"	20.0	ND	102	70-130			
Ethylbenzene	20.6	0.50	"	20.0	ND	103	70-130			
Xylenes (total)	64.3	0.50	"	60.0	ND	107	70-130			
Surrogate: a,a,a-Trifluorotoluene	*26.0*		"	*30.0*		*86.7*	*70-130*			
Matrix Spike Dup (9K11002-MSD1)					**Source: W911276-03**					
Benzene	19.9	0.50	ug/l	20.0	ND	99.5	70-130	1.50	20	
Toluene	20.2	0.50	"	20.0	ND	101	70-130	0.985	20	
Ethylbenzene	20.2	0.50	"	20.0	ND	101	70-130	1.96	20	
Xylenes (total)	62.9	0.50	"	60.0	ND	105	70-130	2.20	20	
Surrogate: a,a,a-Trifluorotoluene	*25.4*		"	*30.0*		*84.7*	*70-130*			

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K10003: Prepared 10-Nov-99 Using EPA 5030B [P/T]										
Blank (9K10003-BLK1)										
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			
LCS (9K10003-BS1)										
Benzene	20.5	0.50	ug/l	20.0		103	50-150			
Toluene	20.7	0.50	"	20.0		104	50-150			
Ethylbenzene	20.5	0.50	"	20.0		103	50-150			
Xylenes (total)	63.8	0.50	"	60.0		106	50-150			
Surrogate: a,a,a-Trifluorotoluene	*25.8*		"	*30.0*		*86.0*	*70-130*			
Matrix Spike (9K10003-MS1)					**Source: W911177-01**					
Benzene	21.7	0.50	ug/l	20.0	ND	109	50-150			
Toluene	22.2	0.50	"	20.0	ND	111	50-150			
Ethylbenzene	22.3	0.50	"	20.0	ND	111	50-150			
Xylenes (total)	69.3	0.50	"	60.0	ND	116	50-150			
Surrogate: a,a,a-Trifluorotoluene	*26.3*		"	*30.0*		*87.7*	*70-130*			
Matrix Spike Dup (9K10003-MSD1)					**Source: W911177-01**					
Benzene	20.6	0.50	ug/l	20.0	ND	103	50-150	5.20	20	
Toluene	21.0	0.50	"	20.0	ND	105	50-150	5.56	20	
Ethylbenzene	20.9	0.50	"	20.0	ND	104	50-150	6.48	20	
Xylenes (total)	65.0	0.50	"	60.0	ND	108	50-150	6.40	20	
Surrogate: a,a,a-Trifluorotoluene	*25.9*		"	*30.0*		*86.3*	*70-130*			

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

BTEX by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K11002: Prepared 11-Nov-99 Using EPA 5030B [P/T]										
Blank (9K11002-BLK1)										
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: a,a,a-Trifluorotoluene	*25.8*		"	*30.0*		*86.0*	*70-130*			
LCS (9K11002-BS1)										
Benzene	20.3	0.50	ug/l	20.0		101	50-150			
Toluene	20.6	0.50	"	20.0		103	50-150			
Ethylbenzene	20.7	0.50	"	20.0		104	50-150			
Xylenes (total)	64.1	0.50	"	60.0		107	50-150			
Surrogate: a,a,a-Trifluorotoluene	*25.9*		"	*30.0*		*86.3*	*70-130*			
Matrix Spike (9K11002-MS1)					**Source: W911276-03**					
Benzene	20.2	0.50	ug/l	20.0	ND	101	50-150			
Toluene	20.4	0.50	"	20.0	ND	102	50-150			
Ethylbenzene	20.6	0.50	"	20.0	ND	103	50-150			
Xylenes (total)	64.3	0.50	"	60.0	ND	107	50-150			
Surrogate: a,a,a-Trifluorotoluene	*26.0*		"	*30.0*		*86.7*	*70-130*			
Matrix Spike Dup (9K11002-MSD1)					**Source: W911276-03**					
Benzene	19.9	0.50	ug/l	20.0	ND	99.5	50-150	1.50	20	
Toluene	20.2	0.50	"	20.0	ND	101	50-150	0.985	20	
Ethylbenzene	20.2	0.50	"	20.0	ND	101	50-150	1.96	20	
Xylenes (total)	62.9	0.50	"	60.0	ND	105	50-150	2.20	20	
Surrogate: a,a,a-Trifluorotoluene	*25.4*		"	*30.0*		*84.7*	*70-130*			

Dimple Sharma, Project Manager

Sequoia Analytical

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

MTBE Confirmation by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K15021: Prepared 12-Nov-99 Using EPA 5030B [P/T]										
Blank (9K15021-BLK1)										
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*50.0*		"	*50.0*		*100*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			
Blank (9K15021-BLK2)										
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*47.3*		"	*50.0*		*94.6*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*44.2*		"	*50.0*		*88.4*	*50-150*			
LCS (9K15021-BS1)										
Methyl tert-butyl ether	44.9	2.0	ug/l	50.0		89.8	70-130			
Surrogate: Dibromofluoromethane	*52.0*		"	*50.0*		*104*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			
LCS (9K15021-BS2)										
Methyl tert-butyl ether	35.9	2.0	ug/l	50.0		71.8	70-130			
Surrogate: Dibromofluoromethane	*46.0*		"	*50.0*		*92.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*41.1*		"	*50.0*		*82.2*	*50-150*			
LCS Dup (9K15021-BSD1)										
Methyl tert-butyl ether	49.7	2.0	ug/l	50.0		99.4	70-130	10.1	25	
Surrogate: Dibromofluoromethane	*53.0*		"	*50.0*		*106*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.0*		"	*50.0*		*98.0*	*50-150*			

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K16005: Prepared 16-Nov-99 Using EPA 5030B [P/T]										
Blank (9K16005-BLK1)										
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Methylene chloride	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl chloride	ND	1.0	"							
Surrogate: Dibromodifluoromethane	*9.50*		"	*10.0*		*95.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*9.50*		"	*10.0*		*95.0*	*50-150*			

Dimple Sharma, Project Manager

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IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Volatile Organic Compounds by EPA Method 8010B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K16005: Prepared 16-Nov-99 Using EPA 5030B [P/T]										
LCS (9K16005-BS1)										
Chlorobenzene	20.0	0.50	ug/l	20.0		100	70-130			
1,1-Dichloroethene	23.0	0.50	"	20.0		115	65-135			
Trichloroethene	24.0	0.50	"	20.0		120	70-130			
Surrogate: Dibromodifluoromethane	*9.10*		"	*10.0*		*91.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*10.0*		"	*10.0*		*100*	*50-150*			
LCS Dup (9K16005-BSD1)										
Chlorobenzene	21.0	0.50	ug/l	20.0		105	70-130	4.88	25	
1,1-Dichloroethene	24.0	0.50	"	20.0		120	65-135	4.26	25	
Trichloroethene	23.0	0.50	"	20.0		115	70-130	4.26	25	
Surrogate: Dibromodifluoromethane	*14.0*		"	*10.0*		*140*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*8.90*		"	*10.0*		*89.0*	*50-150*			
Matrix Spike (9K16005-MS1)					**Source: W911177-06**					
Chlorobenzene	21.0	0.50	ug/l	20.0	ND	105	60-140			
1,1-Dichloroethene	28.0	0.50	"	20.0	ND	140	60-140			
Trichloroethene	24.0	0.50	"	20.0	ND	120	60-140			
Surrogate: Dibromodifluoromethane	*5.70*		"	*10.0*		*57.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*14.0*		"	*10.0*		*140*	*50-150*			
Matrix Spike Dup (9K16005-MSD1)					**Source: W911177-06**					
Chlorobenzene	20.0	0.50	ug/l	20.0	ND	100	60-140	4.88	25	
1,1-Dichloroethene	24.0	0.50	"	20.0	ND	120	60-140	15.4	25	
Trichloroethene	24.0	0.50	"	20.0	ND	120	60-140	0	25	
Surrogate: Dibromodifluoromethane	*9.10*		"	*10.0*		*91.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*9.90*		"	*10.0*		*99.0*	*50-150*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dimple Sharma, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K18024: Prepared 18-Nov-99 Using EPA 418.1										
Blank (9K18024-BLK1)										
TRPH	ND	5.0	mg/l							
LCS (9K18024-BS1)										
TRPH	7.58	5.0	mg/l	8.00		94.7	70-130			
LCS Dup (9K18024-BSD1)										
TRPH	7.37	5.0	mg/l	8.00		92.1	70-130	2.81	30	

Dimple Sharma, Project Manager

Sequoia Analytical

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FAX (925) 988-9673

IT Corporation	Project: Sears	
4005 Port Chicago Hwy.	Project Number: Sears # 1039	**Reported:**
Concord CA, 94520	Project Manager: Melissa Gossell	22-Nov-99 16:11

Notes and Definitions

A-01	The sample contains a non target analyte that elutes at the same time as MTBE.
P-01	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Dimple Sharma, Project Manager

[redacted] SE[redacted]UOIA ANAL[redacted]TICAL
CHAIN OF CUSTODY

[redacted]80 [redacted]apea[redacted]rive [redacted]lwoo[redacted]ty, C[redacted]063[redacted]0) 3[redacted]600 [redacted] (650[redacted]4-92[redacted]
☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☑ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
☐ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT CORP	Project Name: SEARS-1911 TELEGRAPH #1039
Mailing Address: 4005 PORT CHICAGO HWY	Billing Address (if different): W911177
City: MARTINEZ State: CA Zip Code: 94520	1176601.03054300
Telephone: (925) 288-9898 FAX #: (925) 288-0888	P.O. #:
Report To: MELISSA GOSSELL Sampler: H MERINO	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☐ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours — STANDARD

☐ Drinking Water ☒ ~~Waste~~ GROUND Water ☐ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	CHLORINATED HYDROCARBON 8010	BTEX/MTBE/TPH-G 8020/8015M	OIL+GREASE	BTEX (8020)						Comments
1. MW-1	11-5-99 12:30	GW	6	40ML	01A-F	X	X								MTBE DETECTIONS
2. MW-3	12:35	GW	6	40ML	02A-F	X	X								NEED CONFIRMATIONS BY 8260
3. MW-8	12:50	GW	8	40ML 1LITER	03A-H	X	X	X							BTEX/TPH GAS/MTBE 8020/8015M
4. MW-7	13:05	GW	6	40ML	04A-F	X	X								CHLORINATED HYDROCARBON
5. MW-4	13:25	GW	8	40ML 1LITER	05A-H	X	X	X							EPA METHOD 8010
6. MW-5	13:38	GW	6	40ML	06A-F	X	X								OIL+GREASE (C/F)
7. MW-2	13:46	GW	6	40ML	07A-F	X	X								
8. DUP	13:47	GW	3	40ML	08A-C				X						
9. TBLB	—	DI	1	40ML	09A				X						
10.															

Relinquished By: [signature]	Date: 11/5/99	Time: 14:40	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 11/5	Time: 14:40

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment______ Page ___ of ___

White - Sequoia Yellow - Sequoia Pink - Client

APPENDIX E

DRUM INVENTORY FORM

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP 1911 TELEGRAPH AVE

Sears Facility Contact and Phone # Brad Woodland.

IT Corporation Representative H Merino

Accumulation Start Date 11-5-99 Completion Date: 11-5-99

Exact Drum Storage Location GARAGE

CONTENTS	# OF DRUMS	DRUM ID (A,B,C...) OR (1,2,3...)	LID TYPE (OPEN OR BUNG)	LABEL TYPE: HAZARDOUS, NON-HAZARDOUS, UNCLASSIFIED	DRUM DESCRIPTION: COLOR, CONDITION, MARKINGS
GASOLINE			O or B	H / N / U	
GASOLINE/WATER MIXTURE			O or B	H / N / U	
GASOLINE IMPACTED PURGE WATER	3	E,F,G	(O) or B	H / (N) / U	BLACK & WHITE
GASOLINE TANK BOTTOMS/SLUDGE			O or B	H / N / U	
GASOLINE IMPACTED DEBRIS			O or B	H / N / U	
GASOLINE IMPACTED SOIL	4	A B C D	(O) or B	H / (N) / U	BLACK & WHITE
FUEL OIL (INC. DIESEL & HEATING OIL)			O or B	H / N / U	
FUEL OIL/WATER MIXTURE			O or B	H / N / U	
FUEL OIL IMPACTED PURGE WATER			O or B	H / N / U	
FUEL OIL TANKS BOTTOMS/SLUDGE			O or B	H / N / U	
FUEL OIL IMPACTED DEBRIS			O or B	H / N / U	
FUEL OIL IMPACTED SOIL			O or B	H / N / U	
HYDRAULIC FLUID			O or B	H / N / U	
HYDRAULIC FLUID/WATER MIXTURE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED PURGE WATER			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SLUDGE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED DEBRIS			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SOIL			O or B	H / N / U	
USED OIL			O or B	H / N / U	
USED OIL/WATER MIXTURE			O or B	H / N / U	
USED OIL IMPACTED PURGE WATER			O or B	H / N / U	
USED OIL TANK BOTTOMS/SLUDGE			O or B	H / N / U	
USED OIL IMPACTED DEBRIS			O or B	H / N / U	
USED OIL IMPACTED SOIL			O or B	H / N / U	
CHLORINATED SOLVENT:			O or B	H / N / U	
NON-CHLORINATED SOLVENT:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	

NOTE: There should *NEVER* be 2 drums with the same ID present at a site at the same time!

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 City/State 1911 TELEGRAPH AVE

IT Corporation Representative H Merino

THERE SHOULD NEVER BE 2 DRUMS WITH THE SAME DRUM ID PRESENT AT A SITE AT THE SAME TIME

DRUM ID	ACCUMULATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific) MWB9 ~~GROUNDWATER WELLS~~	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	11-2-99	SOIL CUTTINGS	SOIL CUTTINGS	/	55
B	11-2-99	/	/	/	55
C	11-3-99	/	/	/	55
D	11-3-99	/	/	/	55
E	11:4:99	DECONWATER	MWB,9	YES	30
F	11-5-99	PURGEWATER	ALL WELLS	NO	30
G	11-5-99	PURGEWATER	ALL WELLS	NO	30

EXAMPLE

A	6/24/94	diesel(3)/water(8)	diesel lines, flush water	no	11

NOTE: There should *NEVER* be 2 drums with the same ID present at a site at the same time!