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ENVIRONMENTAL PROTECTION
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5T10/630

Transmittal Letter

Date: December 28, 1999

To: Ms. Juliet Schin

Company: Alameda County, Health Care Services Agency, Environmental Health Services Dept.

Address: 1131 Harbor Bay Parkway, Suite 250

City: Alameda State/Zip: CA 94502-6577

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The following:

☑ Report ◯ Shop Drawings ◯ Samples
◯ Proposal ◯ Specifications ◯ Other

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◯ Approved ◯ For Approval ◯ Approved as Noted
◯ For Correction ☑ For Your Use ◯ As Requested
◯ For Comments ☑ For Your Records ◯ For Distribution

Comments:

Ms. Schin -
Enclosed please find the Fourth Quarter 1999, Groundwater Monitoring and Sampling Report for Sears Auto Center No. 1039, located at 1901-1911 Telegraph Avenue, Oakland, California. If you have any questions, please don't hesitate to contact me at (925) 288-2024.

Sincerely,
IT Corporation

David A. Bero
West Zone Project Manager

c: Scott DeMuth, Sears, Roebuck and Co., Hoffman Estates, IL
Russ Zora, IT Central Files, Overland Park, KS
Project Files

IT Corporation
4005 Port Chicago Highway
Concord, CA 94520-1120
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December 21, 1999

Ms. Juliet Schin
Hazardous Materials Specialist
Alameda County, Health Care Services Agency
Environmental Health Services Dept.
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Fourth Quarter 1999, Groundwater Monitoring and Sampling Report
Sears Auto Center No. 1039, 1901-1911 Telegraph Avenue, Oakland, California
IT Corporation Project 1176601

Dear Ms. Schin:

On behalf of Sears, Roebuck and Co., IT Corporation presents the quarterly groundwater monitoring and sampling data collected from the above referenced site on November 5, 1999. Nine groundwater monitoring wells were gauged to determine depth to groundwater and to check for the presence of separate-phase petroleum hydrocarbons. Monitoring wells MW-8 and MW-9 serve as new downgradient wells to former downgradient well MW-7. The two new wells were installed on November 2, 1999, and were developed on November 4, 1999. A monitoring well installation report is being submitted under separate cover. Separate-phase hydrocarbons were not detected in any of the monitoring wells. A potentiometric surface map is provided in Attachment 1, Figure 1. A summary of historical groundwater elevation data is provided in Attachment 2, Table 1.

After measuring depth to water, all monitoring wells were purged and sampled. Field data sheets and groundwater monitoring and sample collection protocol are provided in Attachment 3. The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) using Environmental Protection Agency (EPA) Method 8015 modified' for halogenated hydrocarbons using EPA Method 8010; and for methyl tert-butyl ether (MTBE) and dissolved benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8020. Groundwater samples from wells MW-4 and MW-6 were additionally analyzed for total oil and grease by EPA Method 418.1.

Static groundwater levels for the fourth quarter 1999 ranged from 75.68 to 78.15 feet above mean sea level (an average of 16.34 feet below top of casing). Groundwater elevations have decreased by an average of 0.39 foot since third quarter (August 9, 1999). The apparent groundwater flow is to the east at an average hydraulic gradient of 0.01 foot per foot, and is similar to previous quarterly data.

Results of quarterly sampling indicated detectable concentrations of dissolved hydrocarbons in monitoring wells MW-2, MW-4, MW-5, and MW-7, with highest concentrations of TPH-g and benzene in MW-7. MTBE was reported in samples from MW-2, MW-5, MW-7, and MW-9 when analyzed using EPA Method 8020; however, MTBE was detected only in the samples from MW-7 and MW-9 following

confirmation analysis using EPA Method 8260. When analyzed using EPA Method 8260, MTBE was detected in the samples from wells MW-7 and MW-9 at concentrations of 11 and 2.4 micrograms per liter, 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 summary of the groundwater analytical results is provided in Attachment 2, Table 2. A distribution map of dissolved benzene, TPH-g, and MTBE concentrations is provided in Attachment 1, Figure 2.

Hydrographs and detectable concentrations versus time data are illustrated in Graphs 1 through 7 (Attachment 4). Hydrocarbon concentrations below detection limits are not shown on the graphs. A direct correlation between groundwater elevation and TPH-g concentrations can be seen in downgradient well MW-7. Laboratory reports and chain-of-custody documents are provided in Attachment 5.

Concentrations of dissolved hydrocarbons and halogenated volatile organics have declined since monitoring began in 1995. Concentrations of petroleum hydrocarbons in monitoring well MW-7 (the downgradient well from the former Chevron facility) peaked in 1997 and 1998 but have been generally declining since then. Non-detectable levels of TPH-g and BTEX in downgradient wells MW-8 and MW-9 indicate that the extent of dissolved gasoline-range 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.

If you have comments or questions, please contact David Bero at (925) 288-2024.

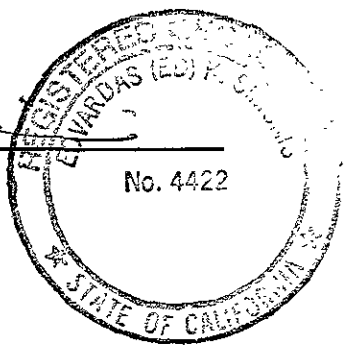
Sincerely,

IT CORPORATION
Submitted by:

David A. Bero, P.G.
West Zone Project Manager

IT CORPORATION
Approved by:

Ed K. Simonis, R.G.
Senior Geologist



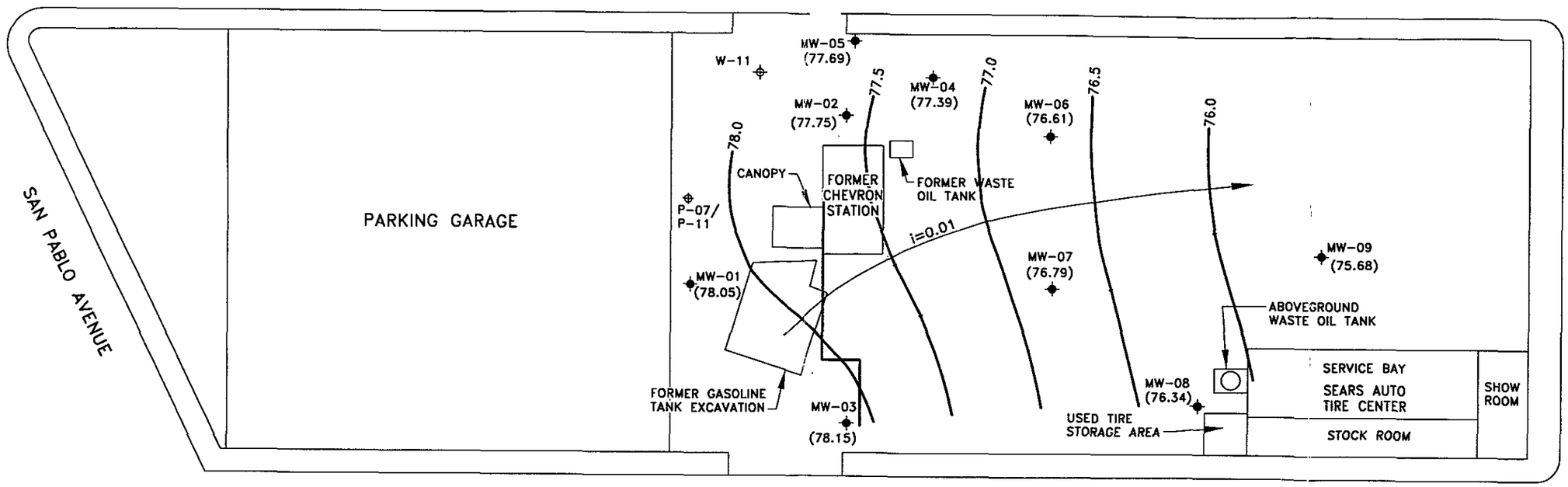
Attachments:

1. Figures
2. Tables
3. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheets
4. Graphs
5. Laboratory Reports and Chain-of-Custody Documents

c: Mr. Scott M. DeMuth, Manager, Environmental Technical Services, Sears, Roebuck and Co.
Mr. Russ Zora, IT Corporation, Central Files
Project File

Attachment 1

Figures



LEGEND

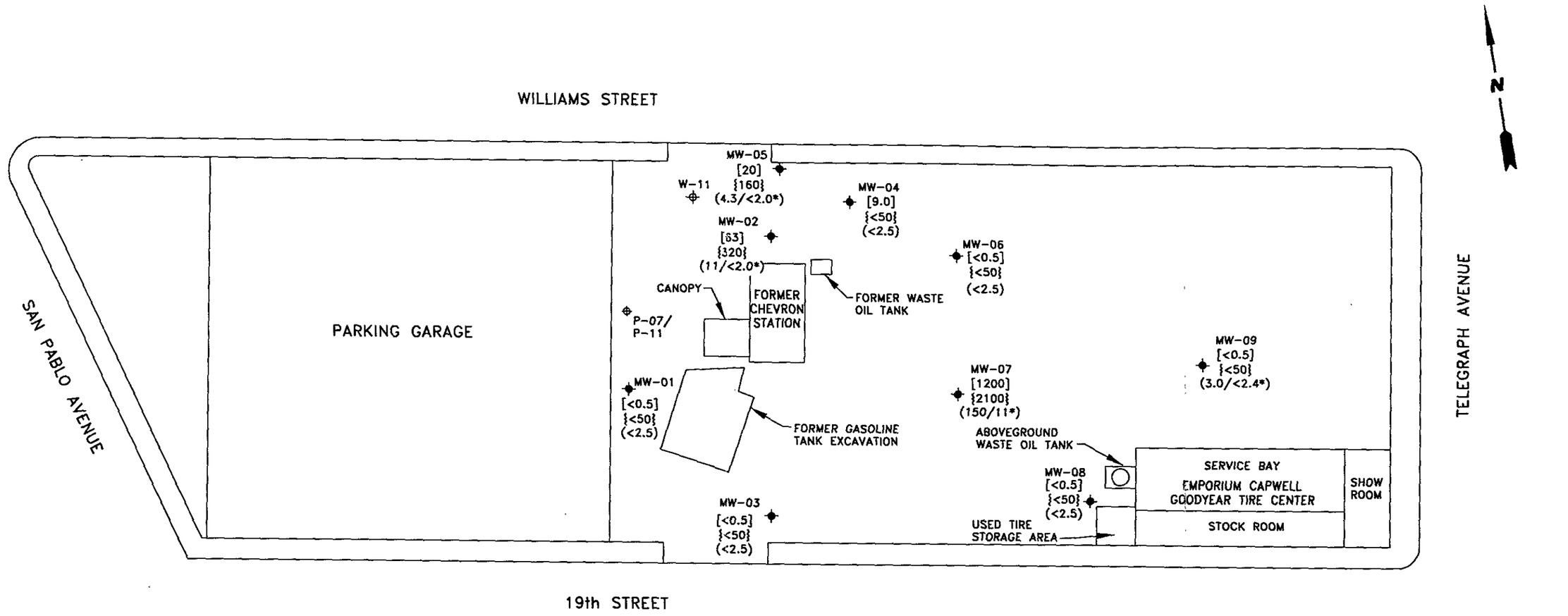
- ✦ MONITORING WELL
- ⌖ SOIL PROBE
- ( ) *POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)*
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL = 0.5 FT
- GROUNDWATER FLOW DIRECTION AND
- i=0.01 AVERAGE GRADIENT (ft/ft)

IT CORPORATION

0 FEET 50
SCALE

POTENTIOMETRIC SURFACE MAP (GAUGED NOVEMBER 11, 1999)

CLIENT:	SEARS, ROEBUCK & CO. SITE NO. 1039
LOCATION:	1901–1911 TELEGRAPH AVENUE OAKLAND, CALIFORNIA
ACAD FILE: PSM1199	PROJECT NO.: 1176601
REV.: 1	
DES.: DP / DET.: RDB	DATE: 12/6/99
PM:	PE/RG: Eli
FIGURE: 1	



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: TPH1199	PROJECT NO.: 1176601
REV.: 1	
DES.: DP / DET.: RDB / DATE: 12/9/99	FIGURE: 2
PM:	PE/RG:

Attachment 2

Tables

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

Sears Store 1039
1911 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-1	94.34	06/12/96	16.21	–	–	78.13
		09/05/96	16.89	–	–	77.45
		12/03/96	17.07	–	–	77.27
		02/27/97	15.55	–	–	78.79
		06/10/97	16.46	–	–	77.88
		08/27/97	16.97	–	–	77.37
		11/26/97	17.24	–	–	77.10
		02/11/98	16.07	–	–	78.27
		05/19/98	15.43	–	–	78.91
		08/10/98	15.98	–	–	78.36
		11/09/98	16.63	–	–	77.71
		02/11/99	16.55	–	–	77.79
		05/10/99	15.50	–	–	78.84
		08/09/99	15.82	–	–	78.52
	94.34	11/05/99	16.29	–	–	78.05
MW-2	93.94	06/12/96	16.01	–	–	77.93
		09/05/96	16.66	–	–	77.28
		12/03/96	16.20	–	–	77.74
		02/27/97	14.46	–	–	79.48
		06/10/97	14.00	–	–	79.94
		08/27/97	16.55	–	–	77.39
		11/26/97	16.86	–	–	77.08
		02/11/98	15.85	–	–	78.09
		05/19/98	15.32	–	–	78.62
		08/10/98	15.82	–	–	78.12
		11/09/98	16.53	–	–	77.41
		02/11/99	16.38	–	–	77.56
		05/10/99	15.19	–	–	78.75
		08/09/99	16.09	–	–	77.85
	93.95	11/05/99	16.20	–	–	77.75
MW-3	95.67	06/12/96	17.56	–	–	78.11
		09/05/96	18.32	–	–	77.35
		12/03/96	18.57	–	–	77.10
		02/27/97	17.43	–	–	78.24
		06/10/97	18.12	–	–	77.55
		08/27/97	18.47	–	–	77.20
		11/26/97	18.70	–	–	76.97
		02/11/98	17.76	–	–	77.91
		05/19/98	16.99	–	–	78.68
		08/10/98	17.51	–	–	78.16
		11/09/98	18.07	–	–	77.60
		02/11/99	18.07	–	–	77.60

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

Sears Store 1039
1911 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-3		05/10/99	17.04	–	–	78.63
cont.		08/09/99	17.77	–	–	77.90
	96.15	11/05/99	18.00	–	–	78.15
MW-4	91.99	06/12/96	14.21	–	–	77.78
		09/05/96	14.83	–	–	77.16
		12/03/96	13.99	–	–	78.00
		02/27/97	12.44	–	–	79.55
		06/10/97	14.20	–	–	77.79
		08/27/97	14.62	–	–	77.37
		11/26/97	15.00	–	–	76.99
		02/11/98	14.10	–	–	77.89
		05/19/98	13.57	–	–	78.42
		08/10/98	14.10	–	–	77.89
		11/09/98	14.75	–	–	77.24
		02/11/99	14.57	–	–	77.42
		05/10/99	13.46	–	–	78.53
		08/09/99	14.15	–	–	77.84
	92.01	11/05/99	14.62	–	–	77.39
MW-5	92.09	06/12/96	14.13	–	–	77.96
		09/05/96	14.77	–	–	77.32
		12/03/96	13.99	–	–	78.10
		02/27/97	12.08	–	–	80.01
		06/10/97	16.00	–	–	76.09
		08/27/97	14.55	–	–	77.54
		11/26/97	14.95	–	–	77.14
		02/11/98	13.97	–	–	78.12
		05/19/98	13.52	–	–	78.57
		08/10/98	13.97	–	–	78.12
		11/09/98	14.67	–	–	77.42
		02/11/99	14.50	–	–	77.59
		05/10/99	13.23	–	–	78.86
		08/09/99	13.90	–	–	78.19
	92.09	11/05/99	14.40	–	–	77.69
MW-6	92.15	06/12/96	14.99	–	–	77.16
		09/05/96	15.50	–	–	76.65
		12/03/96	15.07	–	–	77.08
		02/27/97	14.14	–	–	78.01
		06/10/97	15.30	–	–	76.85
		08/27/97	15.42	–	–	76.73
		11/26/97	15.70	–	–	76.45
		02/11/98	14.87	–	–	77.28

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

Sears Store 1039
1911 Telegraph Avenue, Oakland, California

Well ID	*Casing* Elevation	Date	*Depth to* Water	*Depth to* Product	*Product* Thickness	*Groundwater* Elevation
MW-6		05/19/98	14.32	–	–	77.83
cont.		08/10/98	14.90	–	–	77.25
		11/09/98	15.39	–	–	76.76
		02/11/99	15.21	–	–	76.94
		05/10/99	14.12	–	–	78.03
		08/09/99	15.00	–	–	77.15
	92.16	11/05/99	15.55	–	–	76.61
MW-7	93.36	06/12/96	16.56	–	–	76.80
		09/05/96	17.10	–	–	76.26
		12/03/96	17.12	–	–	76.24
		02/27/97	16.20	–	–	77.16
		06/10/97	17.00	–	–	76.36
		08/27/97	17.18	–	–	76.18
		11/26/97	17.40	–	–	75.96
		02/11/98	16.65	–	–	76.71
		05/19/98	15.96	–	–	77.40
		08/10/98	16.48	–	–	76.88
		11/09/98	16.98	–	–	76.38
		02/11/99	16.94	–	–	76.42
		05/10/99	15.87	–	–	77.49
		08/09/99	16.60	–	–	76.76
	93.80	11/05/99	17.01	–	–	76.79
MW-8	94.49	11/05/99	18.15	–	–	76.34
MW-9	92.54	11/05/99	16.86	–	–	75.68

Notes:
-- = No data for the cell, including "product not detected"
All site monitoring wells were resurveyed by a licensed California surveyor on November 8, 1999.

TABLE 2
Summary of Historical Groundwater Analyses
(All results expressed in micrograms per liter)

Sears Store 1039
1911 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	MTBE	Benzene	Toulene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TCE	1,2-DCA	cis-1,2 DCE	1,1-DCE	OIL/ GREASE	PCE
MW-1	10/01/95	--	ND	ND	ND	ND	<50	ND	ND	--	--	--	9.9
	01/01/96	--	ND	ND	ND	ND	<50	14	ND	--	--	--	9.9
	06/12/96	--	<0.5	1.4	<0.5	<2	<50	<0.5	<0.5	--	--	--	12
	09/05/96	<5.0	<0.5	<0.5	<0 5	<2	<50	<0.5	<0.5	--	--	--	12
	12/03/96	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
	02/27/97	<5.0	<0 5	<0 5	<0.5	<2	<50	1 3	<0.5	<0.5	<0 5	--	31
	06/10/97	<5.0	<0.5	<0.5	<0.5	<2	<50	<0 5	<0.5	<0 5	<0.5	--	19
	08/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0 5	<0.5	<0.5	--	16
	11/26/97	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0 5	--	17
	02/11/98	<5 0	<0.5	<0.5	<0.5	<3	<50	<0.5	<0.5	<0 5	<0.5	--	20
	05/19/98	<5.0	<0.5	<0.5	<0 5	<4	<50	<0 5	<0.5	<0.5	<0.5	--	14
	08/10/98	<2.5	<0.5	<0.5	<0.5	<5	<50	<0.5	<0 5	<0.5	<0 5	--	14
	11/09/98	3.1	<0.5	<0.5	<0 5	<0.5	<50	<0.5	<0.5	<0 5	<0.5	--	16
	02/08/99	<2.5	<0.5	<0.5	<0 5	<5	<50	20	<0.5	<0.5	<0.5	--	<0.5
	05/10/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0 5	--	14
	08/09/99	<2 5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0 5	--	14
	11/05/99	<2.5	<0.5	<0.5	<0 5	<0.5	<50	<0 5	<0.5	<0.5	<0.5	--	20
MW-2	10/01/95	--	1,200	5.4	41	5.9	2,900	40	280	--	--	--	ND
	01/01/96	--	1,100	11.0	100	6.9	780	38	270	--	--	--	ND
	06/12/96	--	890	7.0	56	10	3,600	40	160	--	--	--	<3
	09/05/96	<5.0	350	3.0	17	10	2,100	29	55	1 9	55	--	<0 5
	12/03/96	40	230	2.4	7.8	7	1,100	20	86	7	<0.5	--	<0.5
	02/27/97	12	210	2.2	6	3	1,000	25	43	<0 5	<0.5	--	0.8
	06/10/97	<30	510	3.0	6	<10	1.8	19	47	4 9	<0.5	--	1
	08/27/97	11	51	<0 5	1.4	<2	450	16	29	4 2	<0 5	--	0.5
	11/26/97	<30	380	5 0	9	12	1,200	13	29	3.1	<0.5	--	0.6
	02/11/98	8	310	4.0	9 8	9	1,100	16	<0.5	2.6	0 6	--	<0.5
	05/19/98	20	320	2.1	9.9	8	1,200	14	47	1.6	<0 5	--	0.5
	08/10/98	40	37	1.0	1.2	0 9	300	11	30	2.4	<0.5	--	<0.5
	11/09/98	<2.5	57	<0.5	1.7	<0.5	440	12	25	2 3	<0.5	--	<0.5
	02/08/99	11	240	2.3	8.9	5	480	11	36	1.4	<0 5	--	<0.5
	05/10/99	24/<2.0*	260	2 2	7.9	4.2	260	7	24	3 4	<0.5	--	<0.5
	08/09/99	14/<2.0*	43	0.79	0.54	<0.5	250	11	33	2.6	<0.5	--	<0.5
	11/05/99	11/<2.0*	63	0.68	0.65	1.1	320	13	41	1 3	<0 5	--	<0 5
MW-3	10/01/95	--	ND	ND	ND	ND	<50	ND	ND	--	--	--	ND
	01/01/96	--	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND
	06/12/96	--	<0.5	<0.5	<0.5	<2	<50	<0.5	<0 5	--	--	<0.5	<0.5
	09/05/96	<5 0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	--	--	<0.5	<0.5
	12/03/96	<5.0	<0 5	<0.5	<0.5	<2	<50	<0 5	<0.5	<0 5	<0.5	--	2.3
	02/27/97	<5.0	<0.5	<0 5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0.5	--	6 3
	06/10/97	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0.5	--	5.9
	08/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	<0 5	<0.5	<0.5	<0.5	--	5.8
	11/26/97	<5.0	<0 5	<0 5	<0.5	<2	<50	<0.5	<0 5	<0.5	<0.5	--	7.9
	02/11/98	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0 5	--	7.9
	05/19/98	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0.5	--	5.5
	08/10/98	<2 5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0 5	<0.5	--	<0 5
	11/09/98	<2.5	<0 5	<0 5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	--	5.5
	02/08/99	<2.5	<0.5	<0.5	<0 5	<0 5	<50	<0.5	<0 5	<0.5	<0.5	--	6.4
	05/10/99	<2.5	<0.5	<0.5	<0.5	<0 5	<50	<0.5	<0.5	<0 5	<0.5	--	5.1
	08/09/99	<2 5	<0.5	<0.5	<0.5	<0.5	<50	<0 5	<0.5	<0 5	<0.5	--	4 8
	11/05/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0 5	<0.5	<0.5	--	7.2
MW-4	10/01/95	--	4.1	ND	ND	ND	<50	ND	ND	--	--	--	ND
	01/01/96	--	5.8	ND	ND	ND	<50	ND	ND	--	--	--	ND
	06/12/96	--	11	<0 5	<0.5	<2	320	<0.5	<0.5	--	--	<0.5	<0.5
	09/05/96	--	5.6	<0.5	<0 5	<2	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/96	15	11	<0.5	<0.5	<2	270	<0.5	0 9	<0 5	<0 5	<0.5	<0.5
	02/27/97	<5 0	3.1	<0.5	<0.5	<2	190	<0.5	<0 5	<0.5	<0.5	<500	<0.5
	06/10/97	<5.0	11	<0.5	<0.5	<2	200	<0.5	<0.5	<0.5	<0.5	--	<0.5
	08/27/97	<5.0	9.6	<0.5	<0.5	<2	170	<0.5	<0.5	<0 5	<0 5	<0.5	<0.5
	11/26/97	<5.0	6 7	<0.5	<0.5	<2	100	<0.5	<0.5	<0.5	<0.5	<500	<0.5
	02/11/98	<5 0	8.4	<0.5	<0 5	<2	110	<0 5	<0 5	<0.5	<0.5	<500	<0.5
	05/19/98	7	4.6	<0.5	<0 5	<2	110	<0.5	<0 5	<0.5	<0 5	<500	<0.5
	08/10/98	11	4.1	<0.5	<0.5	<0 5	110	<0.5	<0.5	<0.5	<0.5	9,600	<0.5
	11/09/98	<2.5	7.5	<0.5	<0.5	<0.5	130	<0.5	<0.5	<0.5	<0.5	<500	<0.5
	02/08/99	<2.5	6.8	<0.5	<0 5	<0.5	60	<0 5	<0.5	<0.5	<0.5	<500	<0.5
	05/10/99	<2.0	1.3	<0.5	<0 5	<0.5	61	<0.5	<0 5	<0.5	<0.5	<5000	<0.5
	08/09/99	3.9/<2.0*	7.9	<0.5	<0.5	<0.5	94	<0.5	<0 5	<0.5	<0 5	<1000	<0.5
	11/05/99	<2.5	9.0	<0.5	<0.5	<0 5	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5

TABLE 2
Summary of Historical Groundwater Analyses
(All results expressed in micrograms per liter)

Sears Store 1039
1911 Telegraph Avenue, Oakland, California

Well ID	Date Sampled	MTBE	Benzene	Toulene	Ethyl-benzene	Total Xylenes	TPH as Gasoline	TCE	1,2-DCA	cis-1,2 DCE	1,1-DCE	Oil/ GREASE	PCE
MW-5	10/01/95	–	86	ND	ND	ND	260	ND	ND	–	–	–	ND
	01/01/96	–	160	3.6	ND	ND	180	ND	ND	–	–	–	ND
	06/12/96	–	54	1.1	<0.5	<2	260	<0.5	<0.5	–	–	–	<0.5
	09/05/96	<5.0	22	1.0	<0.5	<2	160	<0.5	<0.5	–	–	–	<0.5
	12/03/96	6	18	0 6	<0 5	<2	170	<0.5	<0.5	<0.5	<0.5	–	<0.5
	02/27/97	<5	74	2.0	<0.5	<2	230	<0.5	<0.5	<0.5	<0.5	–	<0.5
	06/10/97	<30	490	19.0	<3.0	<10	1,200	<0.5	<0.5	<0.5	<0.5	–	<0.5
	08/27/97	<5.0	100	4.6	<0.5	<2	340	<0 5	<0.5	<0.5	<0.5	–	<0.5
	11/26/97	<5.0	78	4.5	0 6	<2	400	<0.5	<0.5	<0.5	<0 5	–	<0.5
	02/11/98	<5 0	62	2 9	<0.5	<2	320	<0.5	<0 5	<0.5	<0.5	–	<0.5
	05/19/98	<5.0	97	2.6	<0.5	<2	330	<0 5	<0.5	<0.5	<0.5	–	<0 5
	08/10/98	11	48	1.9	<0.5	<0.5	190	<0.5	<0.5	<0.5	<0.5	–	<0.5
	11/09/98	<2.5	3.8	<0.5	<0.5	<0.5	81	<0.5	<0 5	<0.5	<0.5	–	<0.5
	02/08/99	3.8	3	<0.5	<0 5	<0.5	82	<0.5	<0.5	<0.5	<0.5	–	<0.5
	05/10/99	2 6/<2.0*	8.8	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0 5	<0.5	–	<0.5
	08/09/99	5 6<2.0*	25	<0.5	<0.5	<0 5	150	<0.5	<0 5	<0.5	<0.5	–	<0.5
	11/05/99	4.3/<2.0*	20	<0.5	<0 5	0.76	160	<0 5	<0.5	<0.5	<0 5	–	<0.5
MW-6	10/01/95	–	ND	ND	ND	ND	<50	11	33	–	–	–	6.2
	01/01/96	–	ND	ND	ND	ND	<50	12	5.3	–	–	–	7.2
	06/12/96	–	<0.5	<0.5	<0.5	<2	<50	5	7.9	–	–	<0.5	3.6
	09/05/96	<5	0.8	<0.5	<0.5	<2	<50	5.2	7 5	–	–	<0.5	5 4
	12/03/96	<5	<0.5	<0 5	<0.5	<2	<50	0.6	0.5	<0.5	<0.5	<0.5	0.9
	02/27/97	<5	<0.5	<0.5	<0.5	<2	<50	0 5	<0.5	<0.5	<0.5	<500	1.3
	06/10/97	<5	0.9	<0.5	<0.5	<2	<50	<0 5	<0.5	<0.5	<0.5	–	1
	08/27/97	<5	<0 5	<0 5	<0.5	<2	<50	<0.5	<0.5	<0 5	<0.5	<0.5	0.9
	11/26/97	7.6	15	0.9	9.1	<2	320	0 6	0 8	<0.5	<0.5	<500	1.2
	02/11/98	<5	<0.5	<0.5	<0.5	<2	<50	<0 5	0.5	<0.5	<0.5	<500	0.7
	05/19/98	<5	0.6	<0.5	<0.5	<2	<50	<0.5	<0.5	<0 5	<0.5	<500	0.6
	08/10/98	<2.5	<0 5	<0.5	<0.5	<0 5	<50	0 59	1.3	<0 5	<0 5	9,000	0.5
	11/09/98	<2.5	<0.5	<0.5	<0 5	<0.5	<50	0.92	1.7	<0.5	<0.5	<500	1.2
	02/08/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	1.2	<0.5	<0.5	<500	0.86
	05/10/99	<2 5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<5000	<0.5
	08/09/99	<2.5	<0 5	<0 5	<0.5	<0 5	<50	<0.5	<0 5	<0 5	<0.5	<1000	0.52
	11/05/99	<2.5	<0.5	<0.5	<0 5	<0.5	<50	0.89	1.2	<0.5	<0.5	–	0.89
MW-7	10/01/95	–	ND	ND	ND	ND	<50	3.5	8.3	–	–	–	5.3
	01/01/96	–	ND	ND	ND	ND	<50	4.8	5.7	–	–	–	9.3
	06/12/96	–	0.6	<0.5	<0 5	<2	<50	3.4	2.9	–	–	–	6.1
	09/05/96	<5	1.2	<0.5	<0.5	<2	<50	4 2	5.9	–	–	–	8.3
	12/03/96	<5	850	<5	<5	30	120	4	75	<3	<3	<0 5	4
	02/27/97	<30	1500	3.0	23	<10	2,500	4	65	<0 5	<0.5	–	2.2
	06/10/97	<50	1700	<5	59	<20	3,200	4.2	85	<0.5	<0.5	–	2.2
	08/27/97	90	1700	8 0	200	40	3,900	5	93	<3	<3	–	<3
	11/26/97	90	3,100	15.0	190	30	5,600	5.9	120	1	<0.5	–	2.9
	02/11/98	90	3,800	25 0	250	80	8,500	8 9	93	1.2	<0.5	–	4
	05/19/98	300	2,100	440 0	150	220	5,000	3 8	74	0.6	<0 5	–	1.5
	08/10/98	<50	690	<10	13	<10	1,600	3.3	100	<2.5	<2 5	–	<2.5
	11/09/98	8.7	295	5.5	4.3	1.5	930	6.5	110	<2.5	<2.5	–	4.2
	02/08/99	<50	670	<10	14	<10	1,500	3.4	74	<1.2	<1.2	–	5.5
	05/10/99	63/<2 0*	1,800	16.0	81	130	2,800	2 6	65	0 63	<0.5	–	0.9
	08/09/99	300/6 5	570	5 1	28	30	1,500	1.2	95	0 57	<0.5	–	<0.5
	11/05/99	150/11*	1,200	<5	61	25	2,100	7.8	95	1.6	<0.5	–	3.7
MW-8	11/05/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0 5	<0 5	<0.5	–	6.2
MW-9	11/05/99	3/2.4*	<0.5	<0 5	<0.5	<0.5	<50	29	32	<0.5	<0.5	–	65

Notes: Historical data before June 1996 as reported by previous consultants

–	=	No datum for the cell, including "not analyzed for this constituent"
<	=	Compound was not detected above the laboratory reporting limits.
TPH	=	Total petroleum hydrocarbons
ND	=	Non-detectable (Detection limits for each metal are listed in laboratory reports included in Attachment 4)
PCE	=	Tetrachloroethene
1,2-DCA	=	1,2-Dichloroethane
TCE	=	Trichloroethene
MTBE	=	Methyl tert-Butyl ether
*	=	MTBE confirmation analysis using EPA 8260
cis-1,2-DC	=	*CIS-1,2-Dichloroethene*
1,1-DCE	=	1,1 Dichloroethene

Attachment 3

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 Teflon7 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: 1176601.00 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 Fuji

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: [signature]
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: 1176601.00 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: Hector Meraz
Schedule: 11-5-99
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: 11.5.99
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: x3 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 X 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: 1.7 gal
Well Volume: ~~3~~ 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	X	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 ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:06	21.8	1,966	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: 1.1 gal
Well Volume X3 3.3 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: X 3 = 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 X 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: 20.20

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 + White Joe
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 DEGRAFFAVE

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	ACCUMU-LATION 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	DECONWATER	MW8,9	?	30
F	11-5-99	PURGEWATER	ALL WELLS	NO	30
G	11-5-99	PURGWATER	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 1911 DEERPARK

Sears Facility Contact and Phone # _____

IT Corporation Representative H Mendoza

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 PORTCHCARGO HWY	Billing Address (if different):
City: MARTINEZ State: CA Zip Code: 94520	176601.03054300
Telephone: (925) 288-9898 FAX #: (925) 2880888	P.O. #:
Report To: MELISSA GOSSELL Sampler: H MEANO	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

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

☐ Drinking Water ☐ ~~Ground~~ Water ☐ ~~Waste~~ Water ☐ 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	BTEX (8020)	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 TPH GAS/MTBE 8020/8015M
4. MW-7	13:05	GW	6	40ML		X	X			CHLORINATED HYDROCARBONS EPA METHOD 8010
5. MW-4	13:25	GW	8	40ML GLITER		X	X	X		OIL + GREASE (O&G)
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.										

Relinquished By:	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:	Date: 11/5	Time: 14:40

White - Sequoia Yellow - Sequoia Pink - Client

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 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: [illegible] | 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/TPHG EPA METHOD 8020/8015M
5.															CHLORINATED HYDROCARBONS EPA METHOD 8010
6.															OIL + GREASE (C/F)
7.															
8.															
9.															
10.															

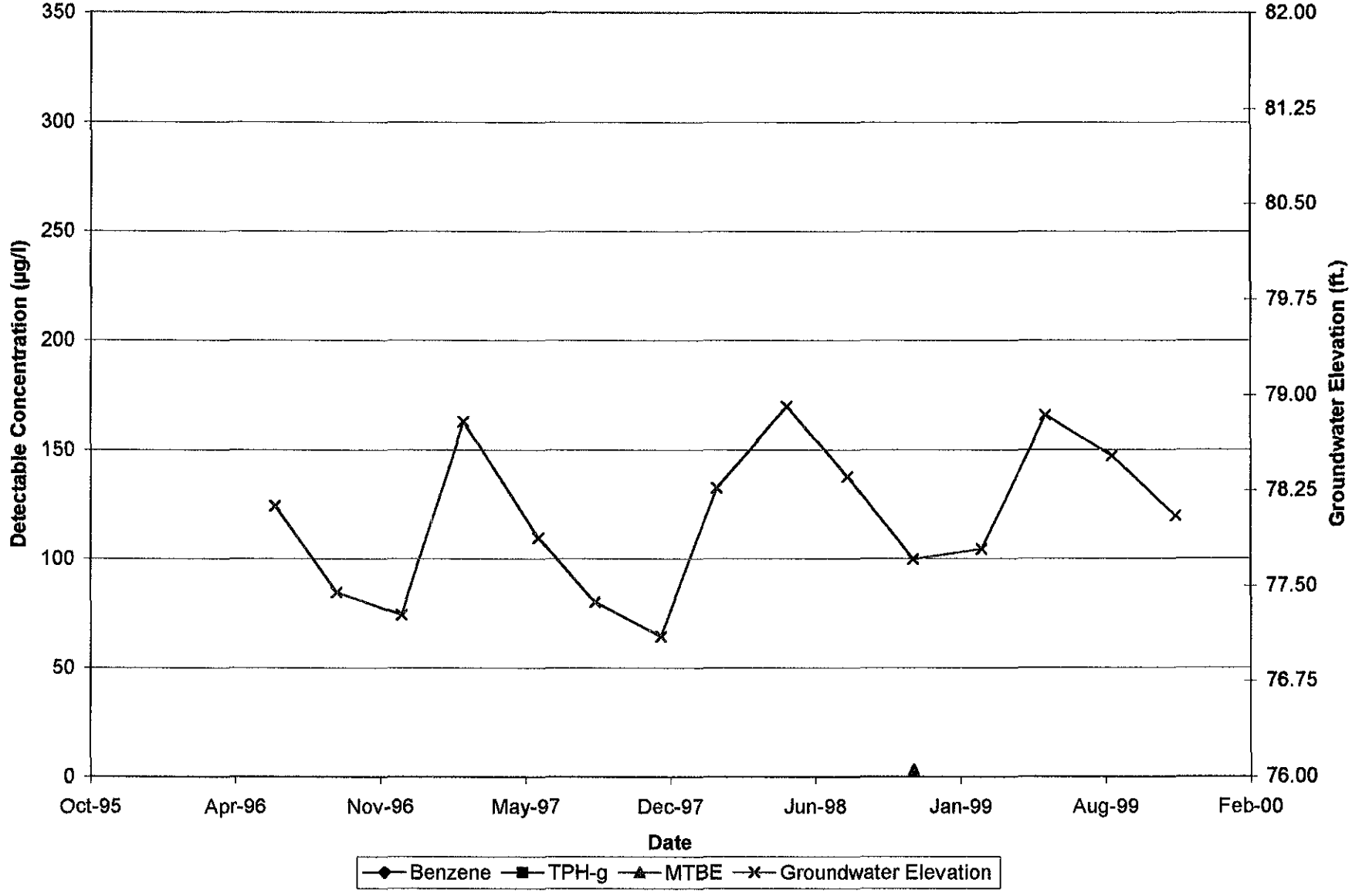
Relinquished By: [signature]	Date: 11/5/99	Time: 14:40	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 11/5/99	Time: 14:40

White - Sequoia Yellow - Sequoia Pink - Client

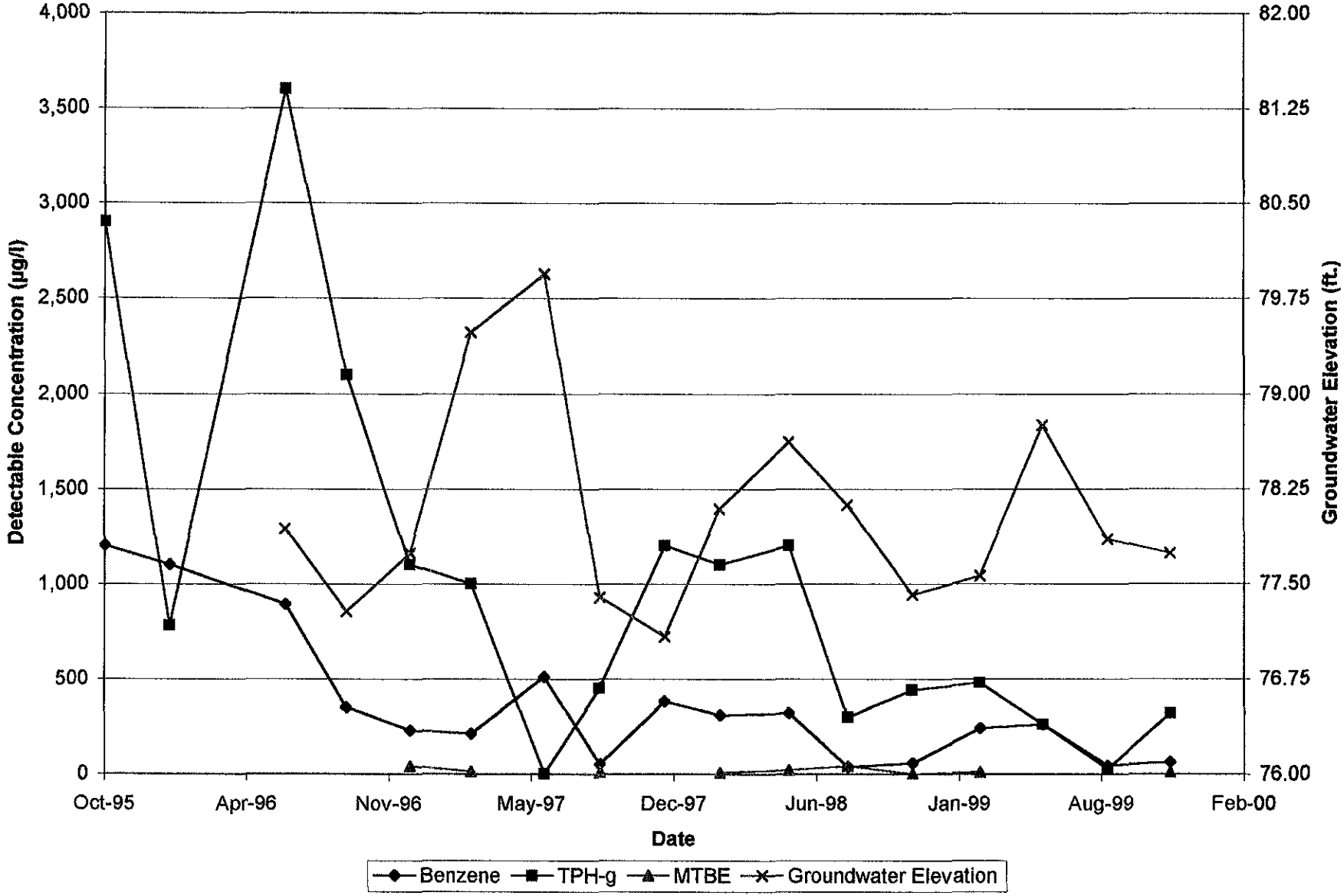
Attachment 4

Graphs

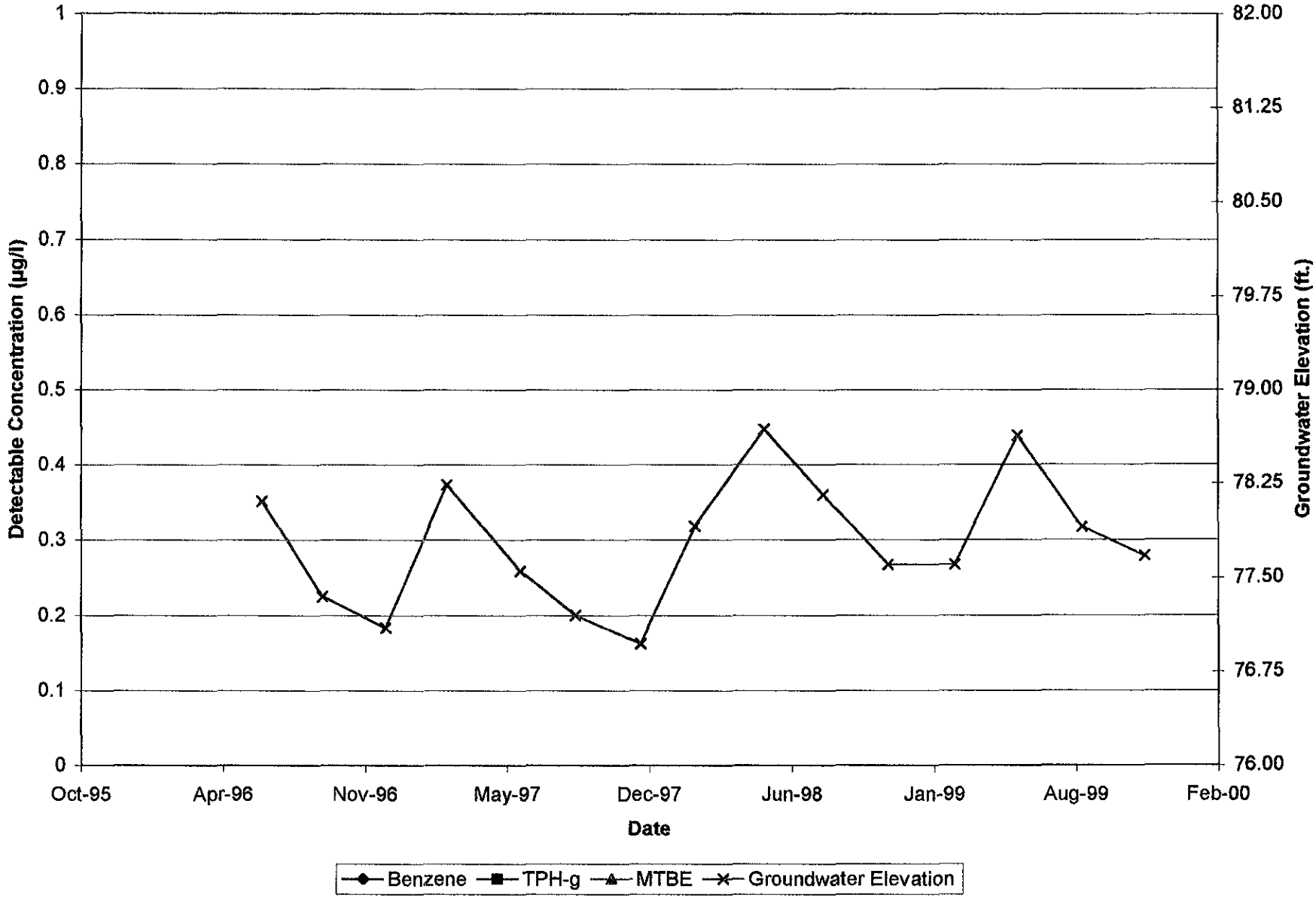
Graph 1, MW-1
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 2, MW-2
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time

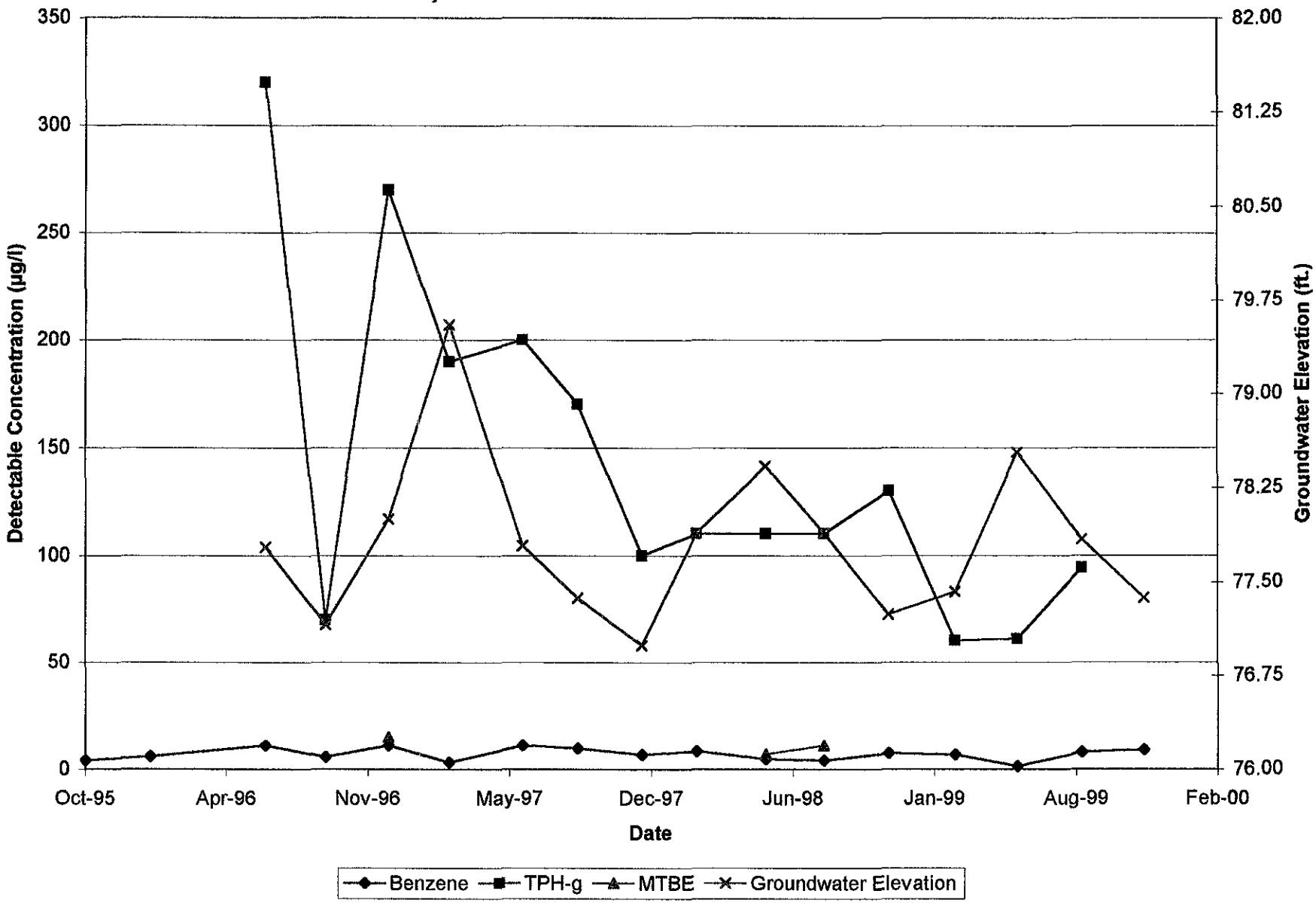


Graph 3, MW-3
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time

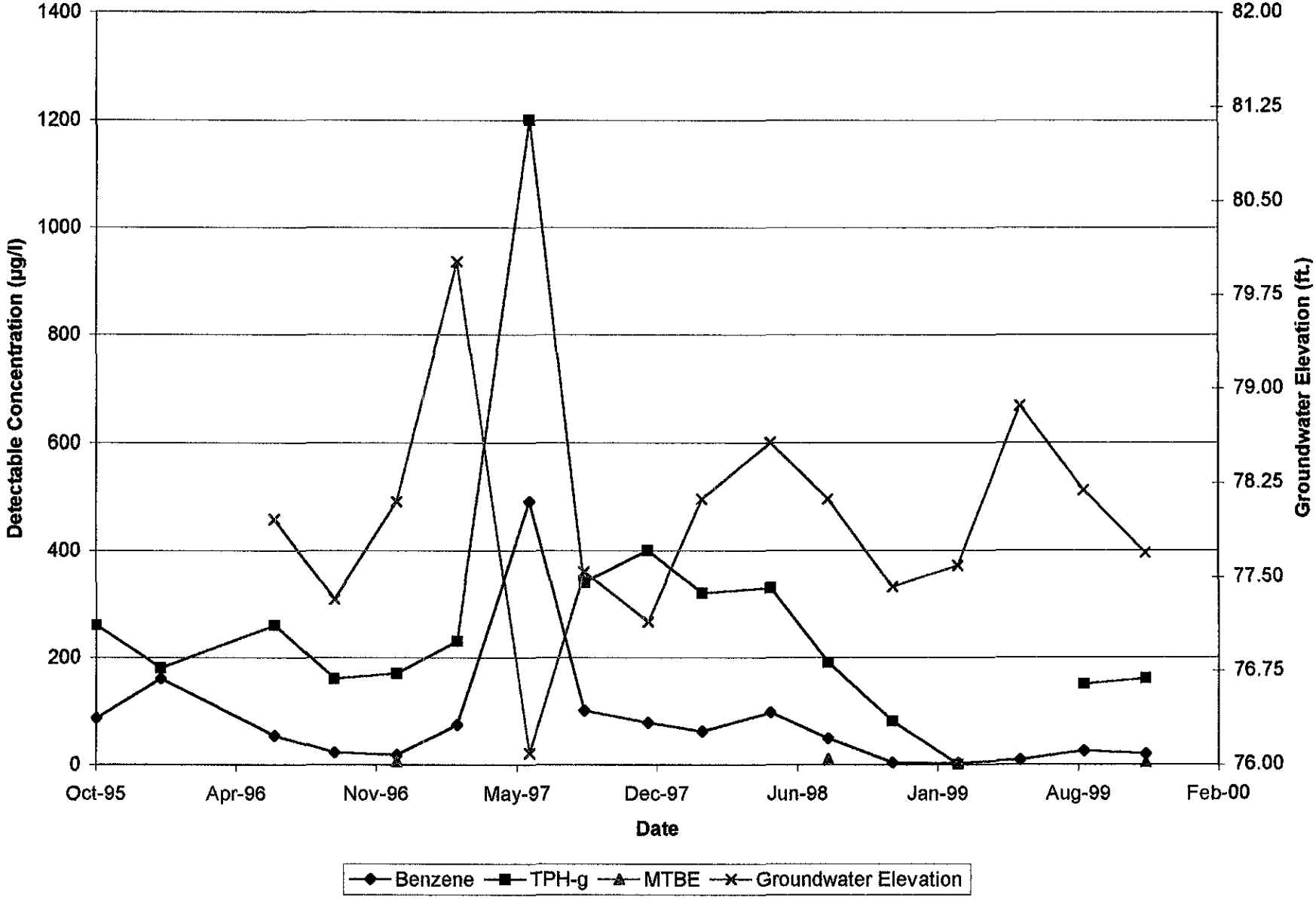


NOTE:
No detectable Benzene, TPH-g, or MTBE

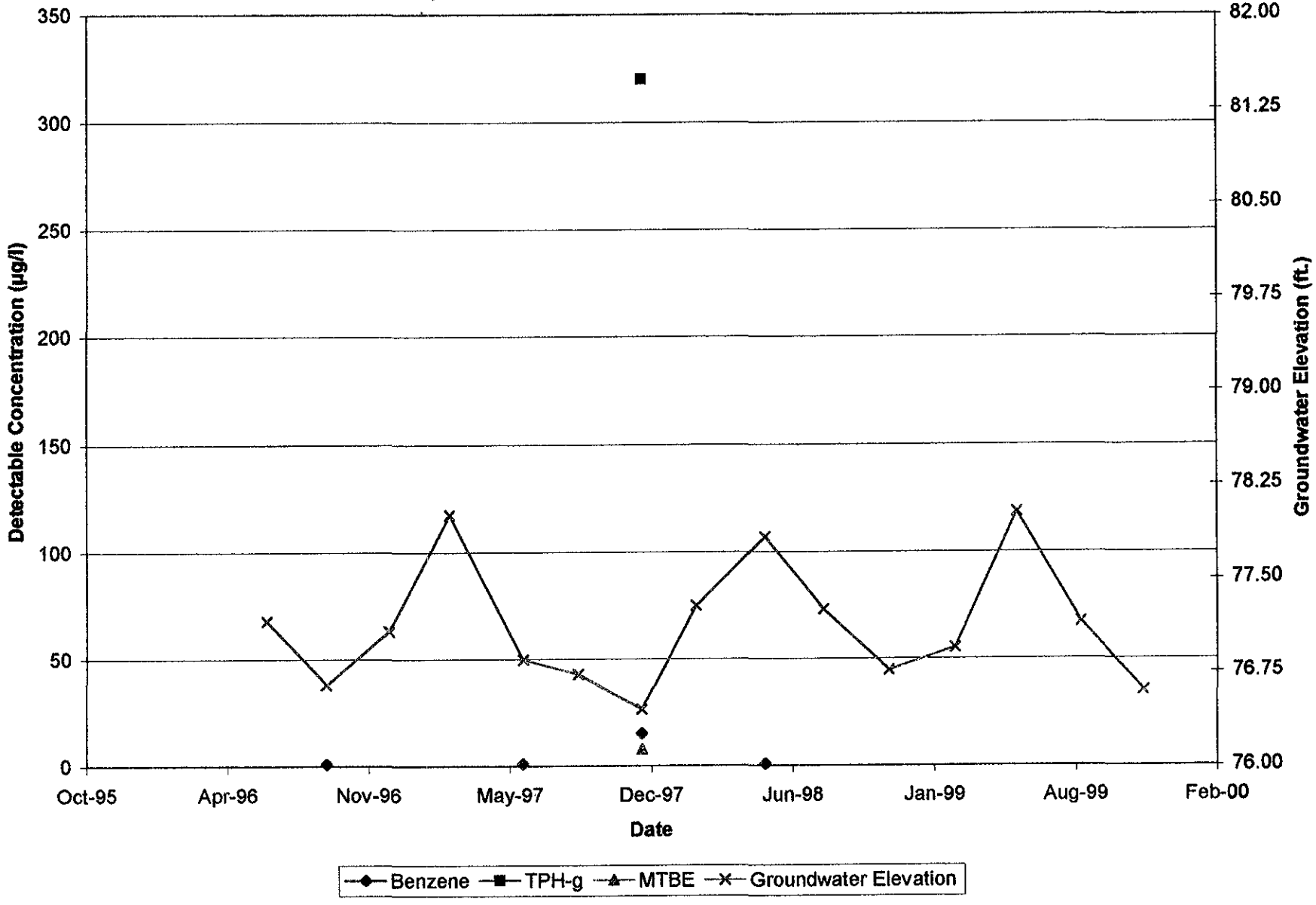
Graph 4, MW-4
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



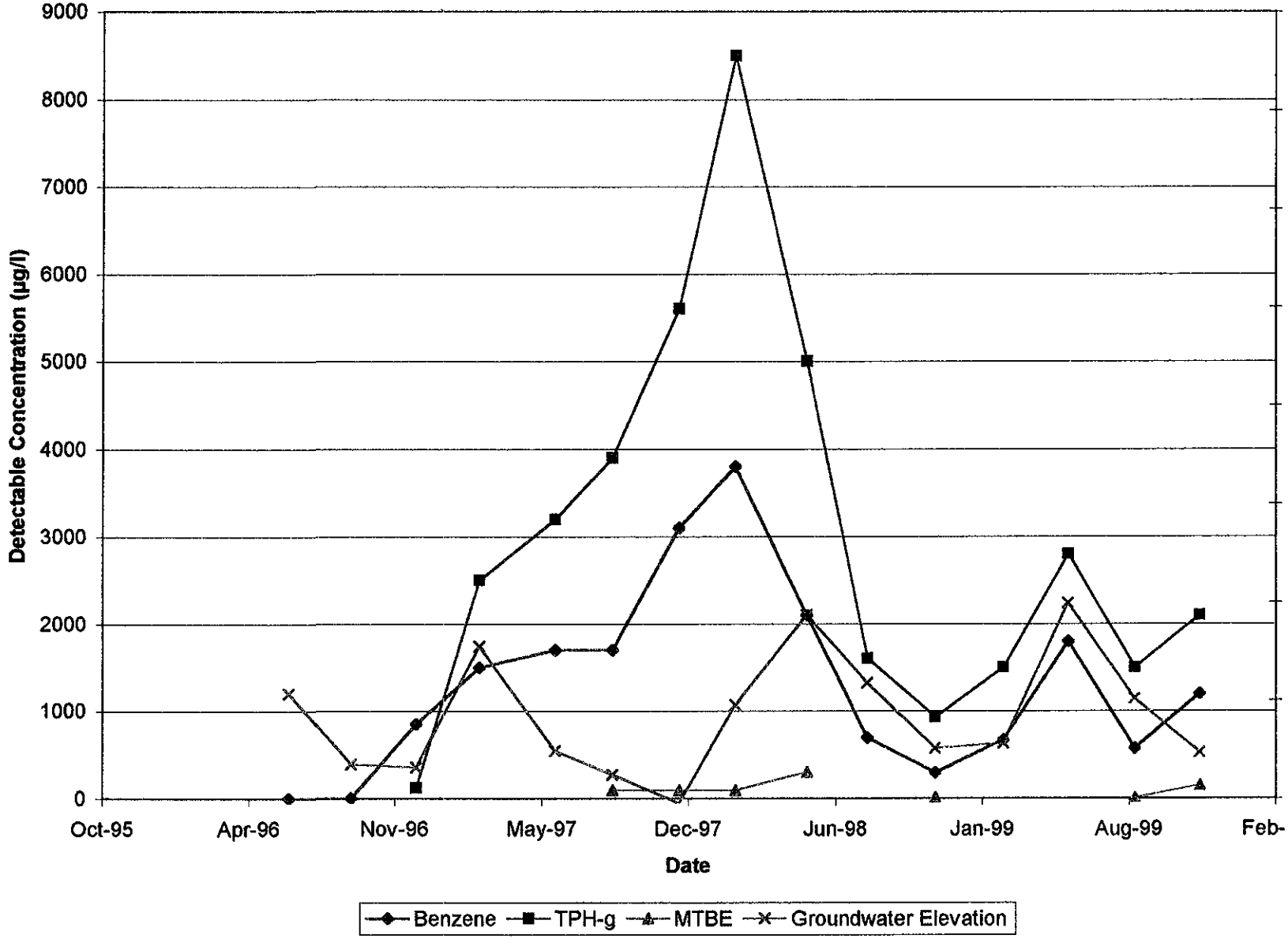
Graph 5, MW-5
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 6, MW-6
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 7, MW-7
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Attachment 5

Laboratory Reports and Chain-of-Custody Documents

Sequoia Analytical

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

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
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

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*		"	"	"	"	

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

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*		"	"	"	"	

Sequoia Analytical - Walnut Creek

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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: 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*		"	"	"	"	

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-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

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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*		"	"	"	"	

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-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

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-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*		"	"	"	"	

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

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-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

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-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

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-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

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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

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

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*			

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
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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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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

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*			

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

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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*			

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

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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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

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 PORT CHICAGO HWY	Billing Address (if different): W911177
City: MARTINEZ State: CA Zip Code 94520	117660 1.03054300
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 ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 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 Need confirmation BY 8260
2. MW-3	12:35	GW	6	40ML	02A-F	X	X							
3. MW-8	12:50	GW	8	40ML 1LITER	03A-H	X	X	X						BTEX AND GAS/MTBE 8020/8015M
4. MW-7	13:05	GW	6	40ML	04A-F	X	X							CHLORINATED HYDROCARBONS EPA METHOD 8010
5. MW-4	13:25	GW	8	40ML 1LITER	05A-H	X	X	X						OIL+GREASE (IF)
6. MW-5	13:38	GW	6	40ML	06A-F	X	X							
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

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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❑ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
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❑ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT CORP	Project Name: STARS / 1911 TELEGRAPH #1039
Mailing Address: 4005 PORTCHICAGO HWY	Billing Address (if different): W911177
City: MARTINEZ State: CA Zip Code: 94520	800458 - 03050300
Telephone: (925) 288-9898 FAX #: (925) 288-0888	
Report To: MELISSA GOSSELL Sampler: [illegible]	QC Data: ❑ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

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

❑ Drinking Water ~~❑ Waste Water~~ GROUND WATER ❑ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	CHLORINATED VOLATILE ORGANICS BY 8260	BTEX & MTBE BY 8260	OIL & GREASE	Comments
1. MW-8	11/5/99 12:42	GW	8	40ML/LITER	10A-H	X	X	X	MTBE DETECTIONS IN BOTH NEED CONFIRMATION BY 8260
2. MW-9	" 12:55	"	8		11A-H	X	X	X	
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

BTEX / MTBE BY GC/MS EPA METHOD 8020/8015M
CHLORINATED AROMATICS EPA METHOD 8010
OIL + GREASE (C/F)

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] (HC)	Date: 11/5/99	Time: 14:40

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

Pink - Client
Yellow - Sequoia
White - Sequoia