



IT Corporation

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A Member of The IT Group

Transmittal Letter

Date: July 14, 1999

To: Juliette Schinn

Company: Alameda County HCS

Address: 1131 Harbor Bay Parkway, Ste 250

City: Alameda State/Zip: CA 94502-6577

We are sending via:

- Courier
- U.S. Mail
- UPS
- Overnight Mail
- Other _____

The following:

- Report
- Proposal
- Shop Drawings
- Specifications
- Samples
- Other _____

Transmitted as checked:

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

Comments:

Dear Ms. Schinn,

Enclosed is the Second Quarter 1999, Groundwater Monitoring and Sampling Report for the Sears, Roebuck and Co. Store No. 1039 located at 1901-1911 Telegraph Avenue, in Oakland, California. If you have any questions, please call me at (925) 370-3990 extension 266.

Sincerely,
IT Corporation

Melissa Gossell
West Zone Project Manager

c: Mr. Scott DeMuth, Sears, Roebuck and Co.
USA Petroleum Files
Mr. Russ Zora, IT Corporation, Central Files, Lenexa, KS
Project Files



ENVIRONMENTAL
PROTECTION
99 JUL 15 AM 9:56

IT Corporation

757 Arnold Drive, Suite D
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A Member of The IT Group

July 15, 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: Second Quarter 1999, Groundwater Monitoring and Sampling Report
Sears 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 on May 10, 1999, from the above referenced site. The seven groundwater monitoring wells were gauged to determine depth to groundwater and to check for the presence of separate-phase petroleum hydrocarbons. Separate-phase hydrocarbons were not detected in the monitoring wells. A potentiometric surface map is provided in attachment 1, figure 1. A summary of monitoring data is provided in attachment 2, table 1.

After measuring depth to water, all monitoring wells were purged and sampled. Groundwater monitoring and sample collection protocol, and field data sheets are provided in attachment 3. The groundwater samples were analyzed for dissolved benzene, toluene, ethylbenzene and total xylenes (BTEX) and methyl tert-butyl ether (MTBE) using EPA Method 8020; total petroleum hydrocarbons as gasoline (TPH-g) using EPA Method 8015 modified; and halogenated hydrocarbons using EPA Method 8010. Additionally, samples from wells MW-4 and MW-6 were analyzed for total oil and grease by EPA Method 418.1. Due to an error on the chain of custody, only two samples were analyzed for BTEX/MTBE/TPH-g (MW-4 and MW-6); however, five additional samples (MW-1, MW-2, MW-3, MW-5, and MW-7) were analyzed after the holding time expired in order to obtain estimated concentration values. BTEX values were also determined from the EPA 8010 gas chromatogram (analyzed within the holding time period) and are summarized on table 2 (attachment 2).

Static groundwater levels for the second quarter 1999 ranged from 77.49 to 78.86 feet above mean sea level (an average of 14.92 feet below top of casing). Groundwater elevations have increased by an average of 1.15 feet since first quarter 1999 (February 11, 1999). Based on the most recent data, groundwater flow is to the southeast at an average hydraulic gradient of 0.01 foot per foot, and is consistent with previous quarterly data.

Results of quarterly sampling indicate low concentrations of benzene and TPH-g in monitoring wells MW-2, MW-4, and MW-7. TPH-g was also detected at a low concentration in MW-5. MTBE was detected at low concentrations in the samples from MW-2, MW-5, and MW-7 when analyzed using EPA Method 8020; however, MTBE was not detected in these samples following confirmation analysis using EPA Method 8260. Monitoring wells MW-1, MW-2, MW-3, and MW-7 contained detectable concentrations of halogenated volatile organics (DCA, DCE, PCE, and TCE). 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 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. Laboratory reports and chain-of-custody documents are provided in attachment 5.

Concentrations of dissolved hydrocarbons and halogenated volatile organics have generally declined since monitoring began in 1995. Although monitoring well MW-7 (the most downgradient well from the former Chevron facility) had increasing concentrations in 1997-1998, with peak hydrocarbon concentrations in February 1998, concentrations have been declining since then. Results of the September 1998 investigation showed that the plume had not migrated downgradient to the auto center, or off-site. IT Corporation is conducting a review of feasible methods to monitor downgradient plume migration.

If you have comments or questions, please contact me at (925) 370-3990 extension 266.

Sincerely,
IT CORPORATION
Submitted by:

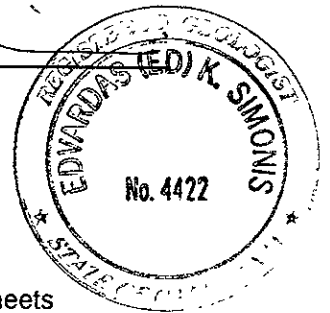


Melissa Gossell
West Zone Project Manager

IT CORPORATION
Approved by:



Ed K. Simonis, R.G.
Senior Geologist



Attachments:

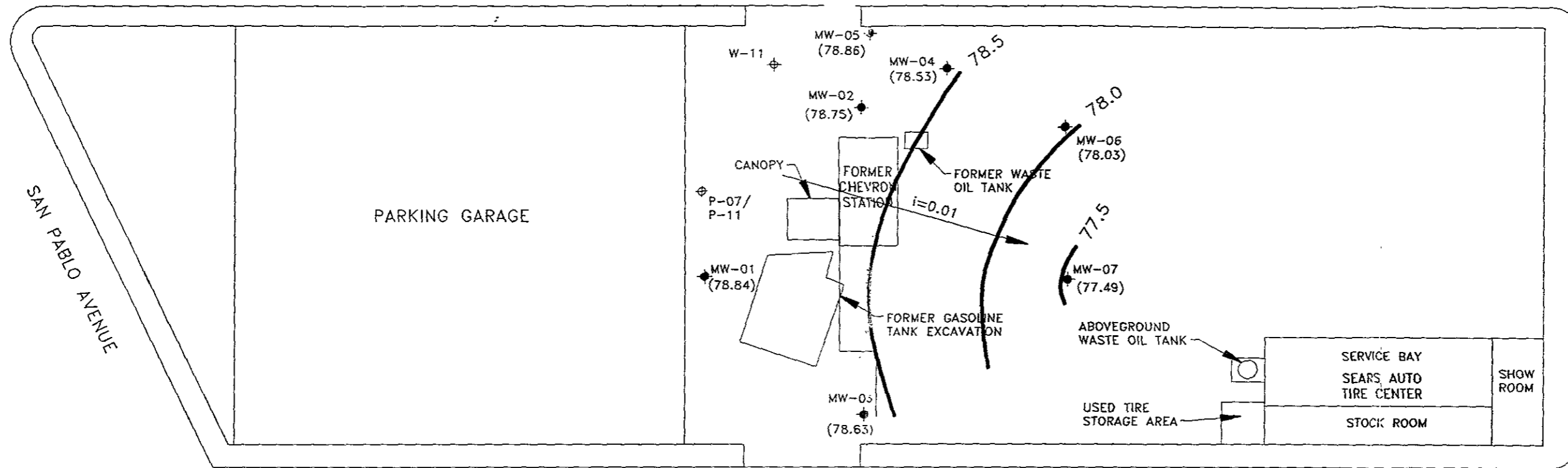
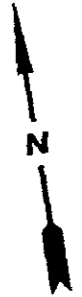
1. Figures
2. Tables
3. Groundwater Monitoring and Sample Collection Protocol and Field Data Sheets
4. Graphs
5. Laboratory Reports and Chain-of-Custody Documents

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

Attachment 1

Figures

WILLIAMS STREET



TELEGRAPH AVENUE

SAN PABLO AVENUE


PARKING GARAGE

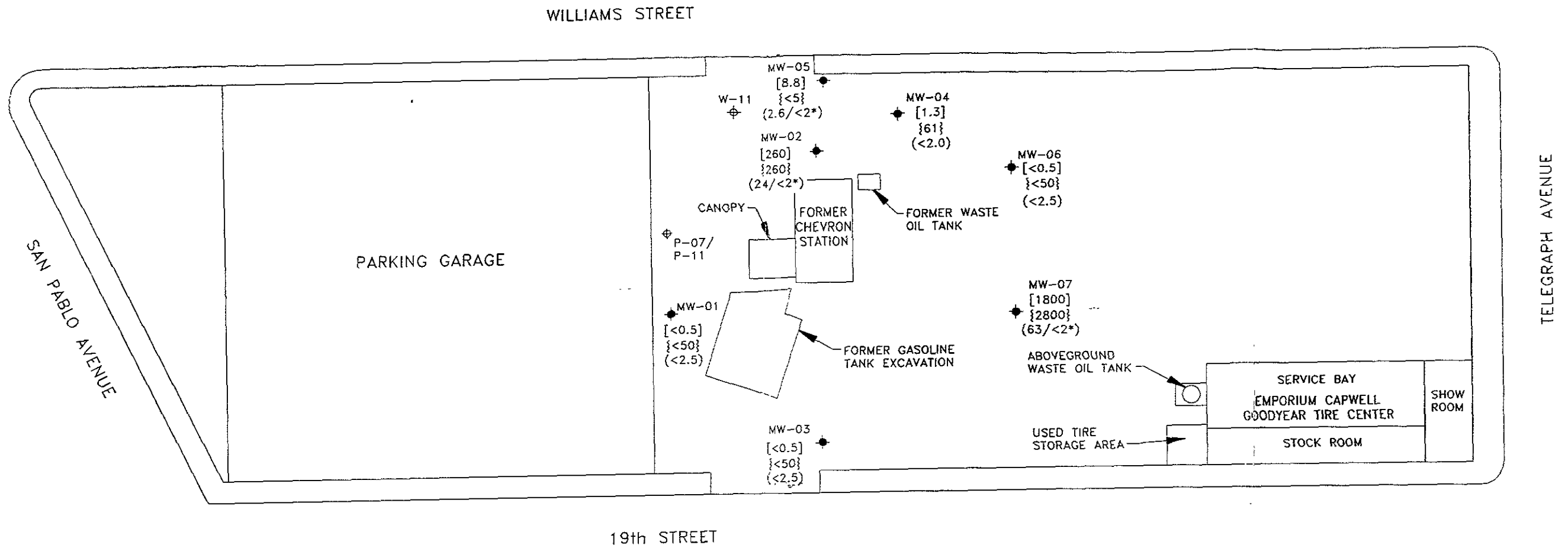
19th STREET

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)

CHECKPOINT # _____
 CHECKED BY _____
 DRAWN BY MS 6/23/99
 SCRUBBED BY _____
 DATE _____

 IT CORPORATION		0 FEET 50 SCALE	
POTENTIOMETRIC SURFACE MAP (GAUGED MAY 10, 1999)			
CLIENT: SEARS, ROEBUCK & CO. SITE NO. 1039		LOCATION: 1901-1911 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	
ACAD FILE: PSM599		PROJECT NO.: 1176601	
REV.:			
DES.: DG	DET.: TRS	DATE: 6/23/99	FIGURE: 1
PM:		PE/RG:	



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

ITI CORPORATION		0 FEET 50 SCALE	
CONCENTRATIONS OF BENZENE, TPH-AS-GASOLINE & MTBE IN GROUNDWATER (SAMPLED MAY 10, 1999)			
CLIENT:		SEARS, ROEBUCK & CO. SITE NO. 1039	
LOCATION: 1901-1911 TELEGRAPH AVENUE OAKLAND, CALIFORNIA			
ACAD FILE:	TPH599	PROJECT NO.:	1176601
REV.:	1		
DES.:	DG	DET.:	TRS
DATE:	6/30/99		FIGURE:
PM:	PE/RG:		2

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
 2633 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
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
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
		05/10/99	17.04	--	--	78.63

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
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
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
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
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
		05/19/98	14.32	-	-	77.83
		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

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
 2633 Telegraph Avenue, Oakland, California

Well ID	Casing Elevation	Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
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

Notes:

-- = No data for the cell, including "product not detected"

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	<0.5	<50	<0.5	<0.5	<0.5	--	14
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*	260	2.2	7.9	4.2	260	7	24	3.4	<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	<0.5	<50	<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-3 (cont'd)	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
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	
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*	8.8	<0.5	<0.5	<0.5	<50	<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	

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-6 (cont'd)	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
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*	1,800	16.0	81	130.0	2,800	2.6	65	0.63	<0.5	--	0.9	

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

increased significant

Attachment 3

**Groundwater Monitoring and Sample Collection Protocol
and Field Data Sheets**

IT CORPORATION GROUNDWATER MONITORING AND SAMPLE COLLECTION PROTOCOL

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:

$$(\text{Product thickness}) \times (0.8) + (\text{Water elevation}) = \text{Corrected water elevation}$$

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 sampled and the parameters are 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 than 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 - Martinez, California

Project: 1176601.00
Site: SEARS/1039/Oakland, CA
Project Mgr: Melissa Gossell

Technician: Hector Merino
Scheduled: 5/10/99
Site Mgr: Brad Wooland

PREPARATORY COMMENTS

Visit Date: 5-10-99 Arrival Time: 11:00 Departure Time: 1500

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

Called PM? Y/N Time: _____ Who: _____ Topic: _____

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: 030543 [Quarterly]

SITE ADDRESS: 1911 Telegraph Avenue, Oakland, CA

cc: Melissa Gossell, Doug Gay

NOTIFY: Jennie Pinocci 48 hrs. in advance (510) 444-7662. (She will insure that wells are not covered). Called 5/7/99 @ 10:30

Notify Tom Peacock 72 hrs. in advance (510) 567-6782. DONE: 5/6/99
e120gr

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 perimeter of the cones and caution tape at all times.

1. Monitor and sample seven (7) wells in the following order: MW-3, MW-1, MW-6, MW-4, MW-5, MW-2 and MW-7. 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 data.
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).

SITE VISIT FORM
IT Corporation - Martinez, California

Project: 1176601.00
 Site: SEARS/1039/Oakland, CA
 Project Mgr: Melissa Gossell

Technician:
 Scheduled: 5/10/99
 Site Mgr: Brad Wooland

GROUNDWATER SAMPLING (Continued) - Task Nr: 030543 [Quarterly]

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 and MW-6 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

TECHNICIAN'S COMMENTS

ONSITE 450
 TRAVEL 250

Total Hours Estimated

0.00

Total Hours Used

Travel Time Estimated

1.00

Travel Time Used

SITE VISIT FORM
IT Corporation

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

Technician: Hector Larino
Schedule: 5-10-99
Job No 1176601.03054300

WELL WATER SAMPLING - TASK Nr: 030543 00 [QUARTERLY]
Gauge wells for volume of water & bail 3 well Vol.s. DECON
all equipment & change gloves, string, etc between each well.

Well ID	DTB	DTW	SAT. THICK	#GAL. BAILED
MW-1:	DTB_24.25	DTW <u>15:50</u>	SAT. THICK ___	#GAL. BAILED ___
MW-2:	DTB_24.10	DTW <u>15:19</u>	SAT. THICK ___	#GAL. BAILED ___
MW-3:	DTB_27.75	DTW <u>17:04</u>	SAT. THICK ___	#GAL. BAILED ___
MW-4:	DTB_23.55	DTW <u>13:46</u>	SAT. THICK ___	#GAL. BAILED ___
MW-5:	DTB_25.10	DTW <u>13:23</u>	SAT. THICK ___	#GAL. BAILED ___
MW-6:	DTB_26.75	DTW <u>14:12</u>	SAT. THICK ___	#GAL. BAILED ___
MW-7:	DTB_26.20	DTW <u>15:87</u>	SAT. THICK ___	#GAL. BAILED ___

NOTES: _____

HOURS ESTIMATED:

HOURS USED:

FINAL CHECKS

Are Wells Locked? YES NO Why Not?

Are Manholes Bolted Down? YES NO Why Not?

SITE VISIT FORM
IT Corporation

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

Technician:
Schedule:
Job No. 1176601.03054300

TECHNICIAN'S COMMENTS

Multiple horizontal lines for technician comments.

Small handwritten mark or signature.

TOTAL HOURS ESTIMATED:

HOURS USED:

TRAVEL TIME ESTIMATED:

TRAVEL TIME USED:

TECHNICIAN

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP 1911 TELEGRAPH AVE
 Sears Facility Contact and Phone # _____
 IT Corporation Representative H. Marino
 Accumulation Start Date 5-10-99 Completion Date 5-10-99
 Exact Drum Storage Location W 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	2	A, B	O or B	H / N / U	
GASOLINE IMPACTED PURGE WATER			O or B	H / N / U	
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!

BULK MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP _____

Sears Facility Contact and Phone # _____

IT Corporation Representative H. H. H. H.

Accumulation Start Date _____ Completion Date _____

Exact Bulk Storage Location _____

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 _____ $\div 2 \div 27 =$ Yds³

Calculation for a rectangular or square shaped soil pile:

Length _____ X Width _____ X Height _____ $\div 27 =$ _____ Yds³

Calculation for a conical (cone) shaped soil pile:

.04 X Radius _____ X Radius _____ X Height _____ = _____ Yds³

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

Date: 5-10-99
 Page: 4 of 7
 Project Manager: Melissa Gossell

Well ID: MW3
 Well Diameter: 4

DTW Measurements
 Initial: 17.04 Calc Well Volume: 6.9 gal
 Recharge: _____ Well Volume X3: 20.9 gal
 DTB: 27.75

Purge Method
 Peristaltic _____
 Gear Drive _____
 Submersible

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

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

Time	Temp <input checked="" type="checkbox"/> C <input type="checkbox"/> F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
11:55	20.4	0.66	6.10	5	Clear	
11:57	20.4	0.61	6.12	10		
12:00	20.5	0.66	6.13	15		
12:03	20.7	0.71	6.15	20		DRY @ 20 Gallons

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

Date: 5-10-79
 Page 3 of 7
 Project Manager: Melissa Gossell

Well ID MW6
 Well Diameter 2

DTW Measurements:
 Initial: 14.12 Calc Well Volume: 2.0 gal
 Recharge: _____ Well Volume: X3 6.1 gal
 DTB 26.75

Purge Method _____ Pump Depth _____ ft.
 Peristaltic _____ Hand Bailed _____
 Gear Drive _____ Air Lift _____
 Submersible X Other _____
 Instruments Used
 YSI: X _____ Other: _____
 Hydac: _____
 Omega: _____

Time	Temp <u>X</u> C ____ F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
2:25	21.1	1.55	6.24	2	cloudy Brown	
2:26	21.1	1.55	6.29	3	cloudy	
2:27	20.5	1.52	6.34	4	↓	
2:28	20.3	1.52	6.34	5		
2:29	20.2	1.52	6.36	6		

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

Date: 5-10-99
 Page 5 of 7
 Project Manager: Melissa Gossell

Well ID NWS
 Well Diameter 2

DTW Measurements
 Initial 13.23 Calc Well Volume: 119 gal
 Recharge Well Volume X3 5.8 gal
 DTB: 25.70

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

Instruments Used
 YSI: X
 Hydac:
 Omega:
 Other:

Time	Temp <u>X</u> C <u> </u> F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
12:50	20.4	2.09	6.65	1	cloudy	GREY
12:55	20.4	2.13	6.68	2	↓	DRY @ 2 Gallons
				3		
				4		
				5		

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

Date: 5-10-99
 Page 6 of 7
 Project Manager: Melissa Gossell

Well ID MW2

DTW Measurements
 Initial: 15.19 Calc Well Volume: 518 gal
 Recharge: _____ Well Volume X 3: 17.4 gal
 DTB: 24.10

Well Diameter 4

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

Instruments Used
 YSI: 8
 Hydac: _____
 Omega: _____
 Other: _____

Time	Temp C F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
13:00	21.1	2.13	6.74	5	cloudy	
13:03	20.4	2.12	6.62	10		
13:06	20.0	2.11	6.45	15		
13:08	19.8	2.14	6.35	20	✓	

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

Date: 5-10-99
 Page 7 of 7
 Project Manager: Melissa Gossett

Well ID: Mw-7
 Well Diameter: 2

DTW Measurements
 Initial: 15.87 Calc Well Volume: 1.6 gal
 Recharge: _____ Well Volume: X.3 S.C. gal
 DTB: 20-20

Purge Method _____ Pump Depth _____ ft.
 Peristaltic _____ Hand Bailed _____ Instruments Used
 Gear Drive _____ Air Lift _____ YSI: X _____ Other: _____
 Submersible X _____ Other: _____ Hydac: _____
 Omega: _____

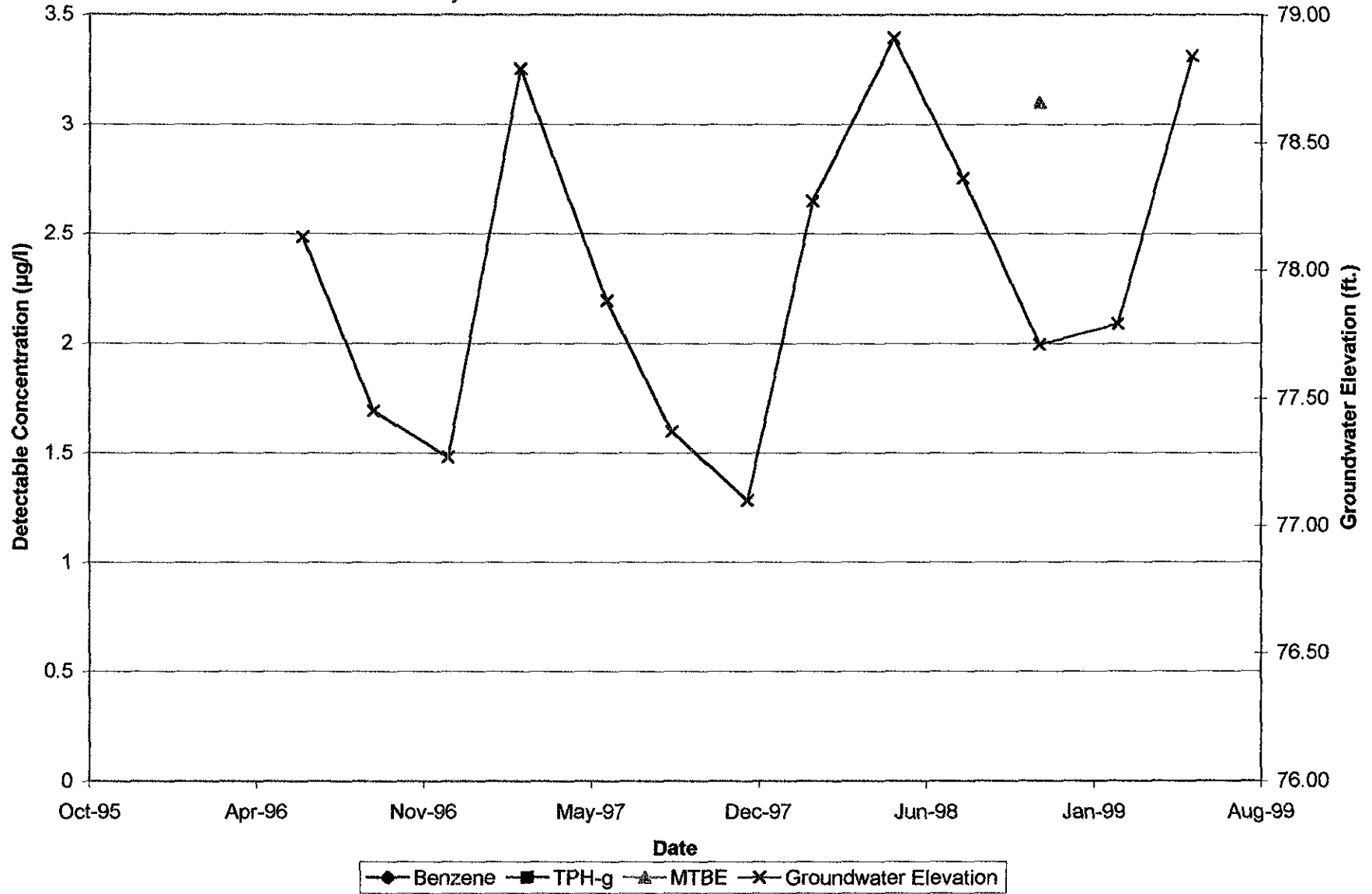
Time	Temp <u>C</u> F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
13:20	20.6	1.46	6.41	1	cloudy	
13:21	20.4	1.41	6.42	2		
13:22	20.3	7.35	6.43	3		
13:23	20.3	1.32	6.43	4		
13:24	20.3	1.37	6.43	5	✓	

Attachment 4

Graphs

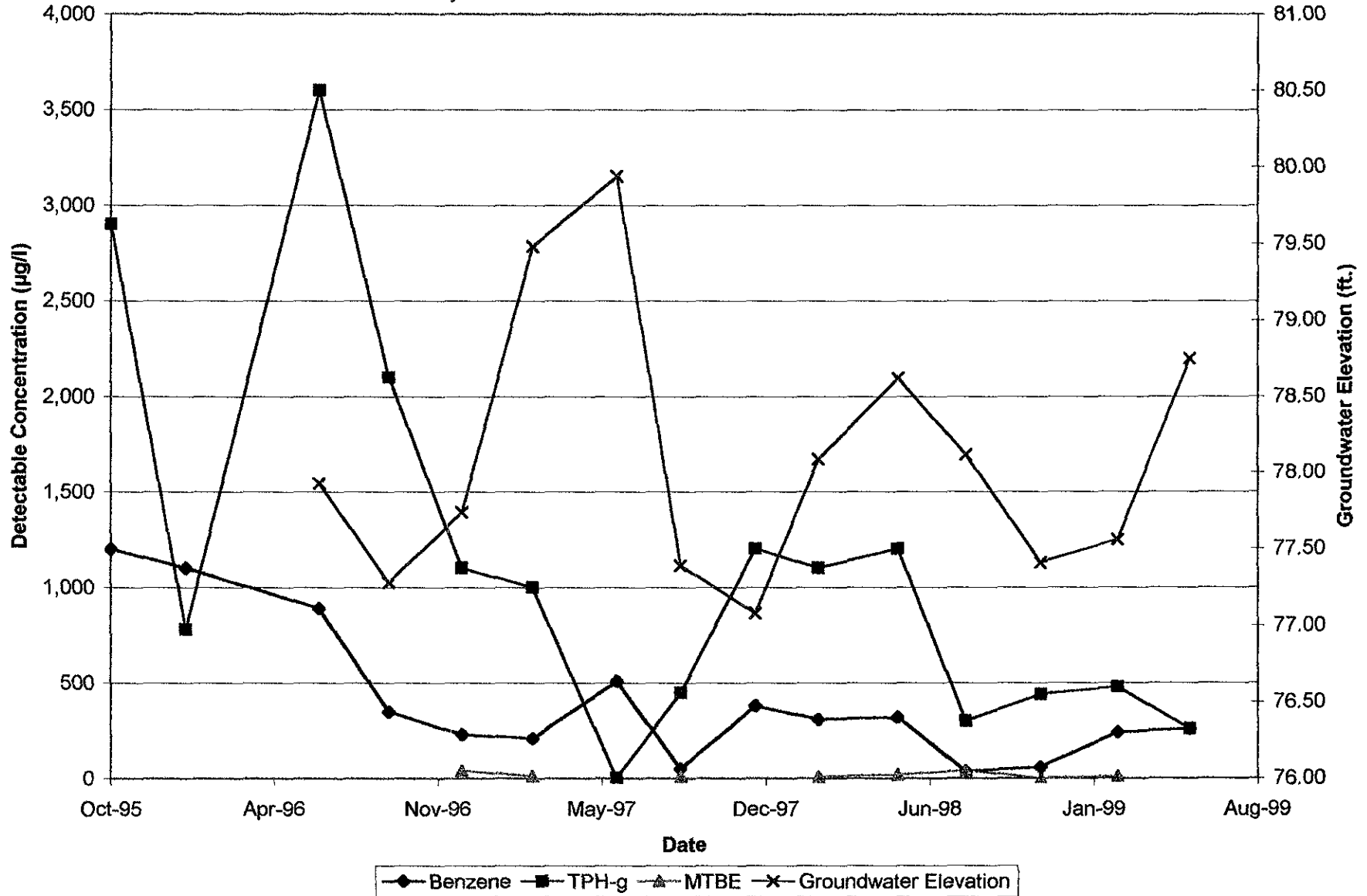
Graph 1, MW-1
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



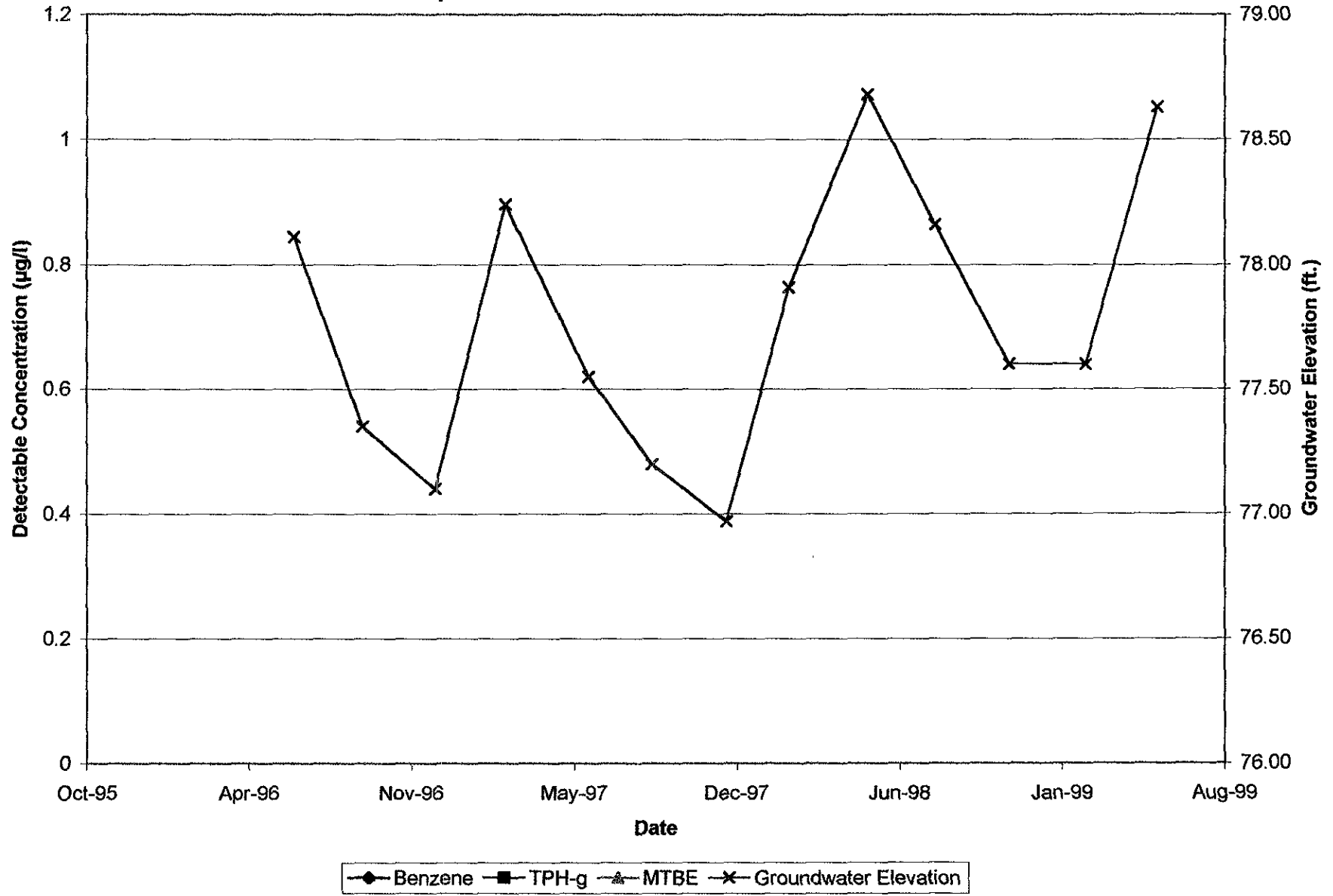
Graph 2, MW-2
 Sears Store No. 1039, 1911 Telegraph Avenue,
 Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 3, MW-3
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California

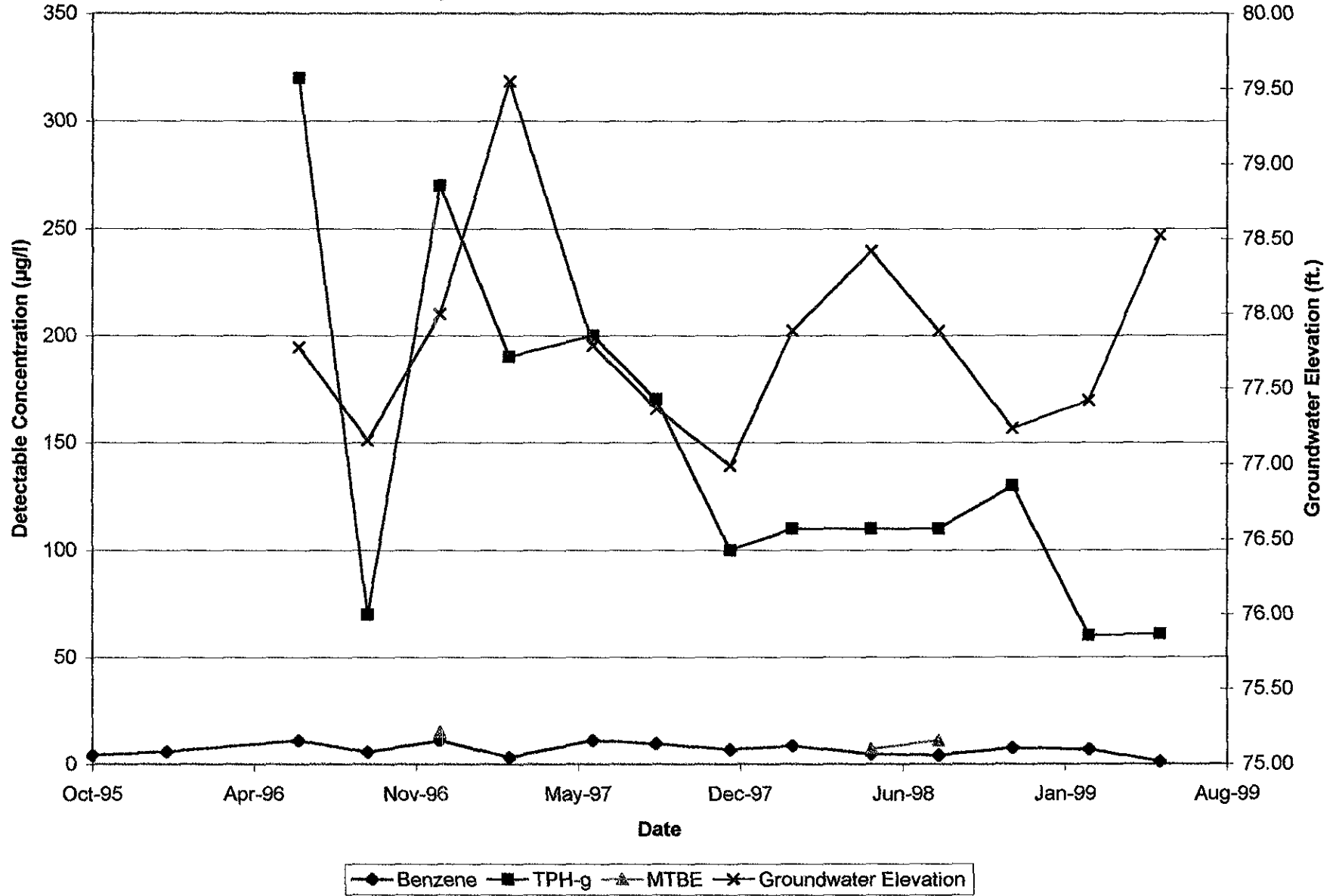
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

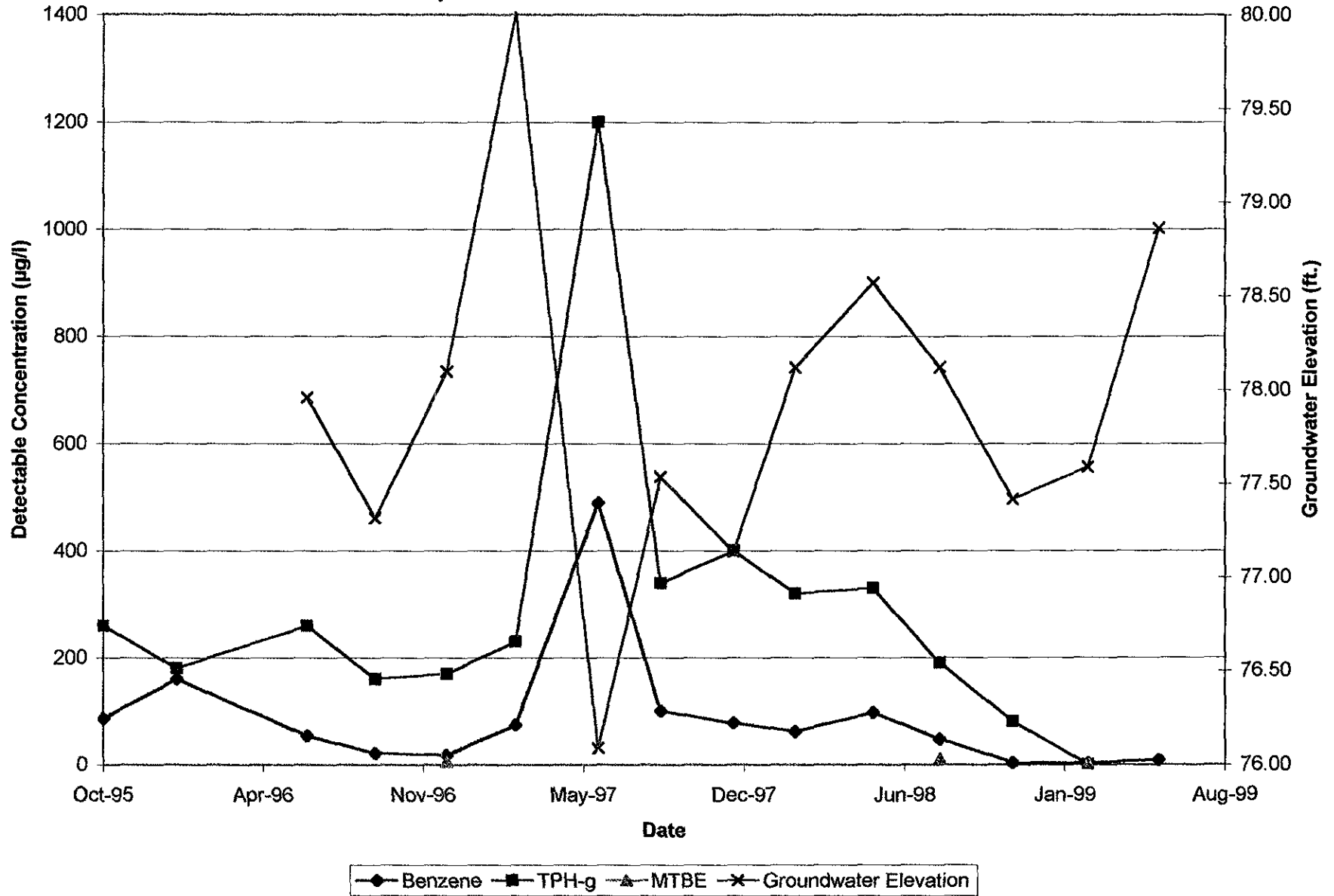
Graph 4, MW-4
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



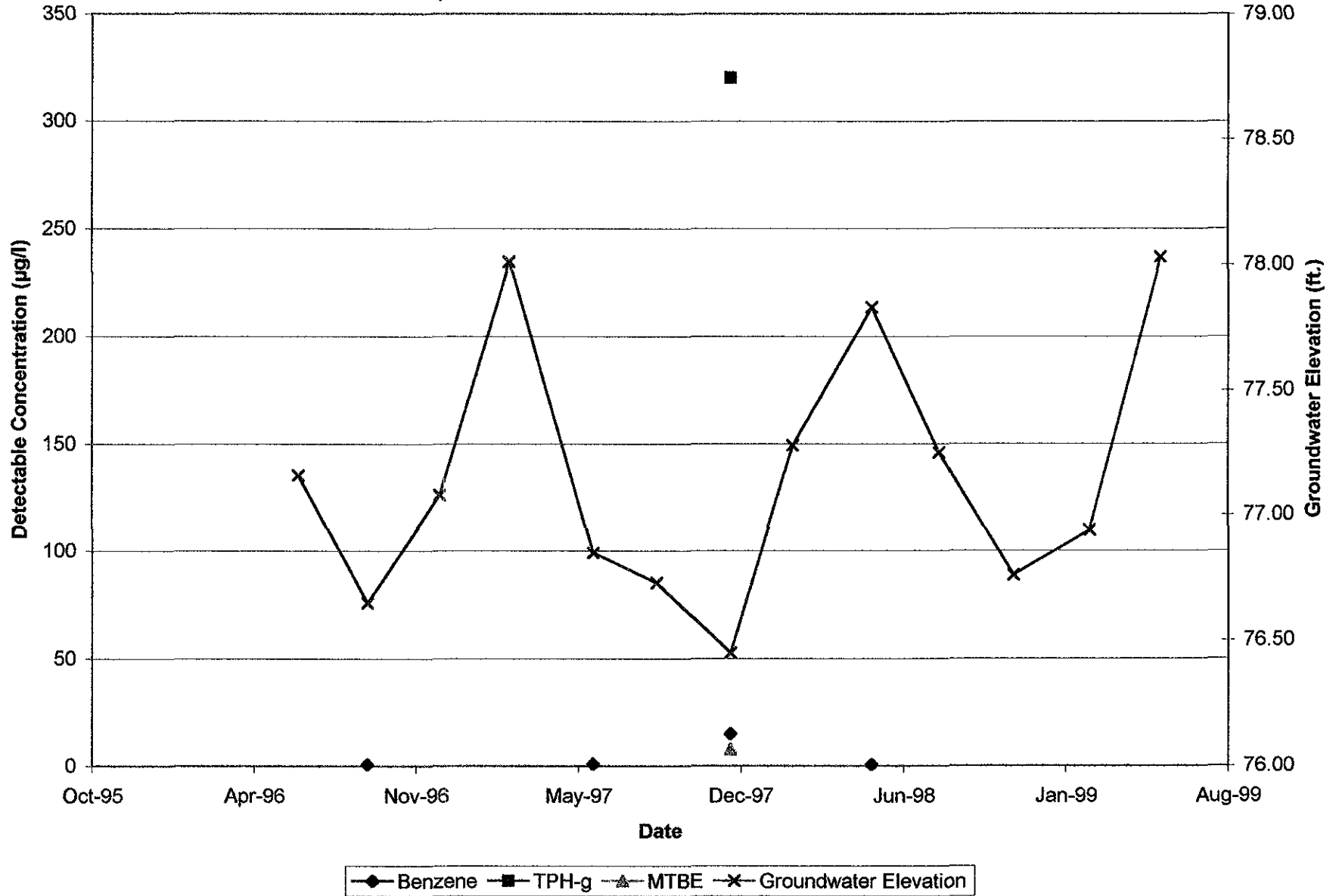
Graph 5, MW-5
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California

Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



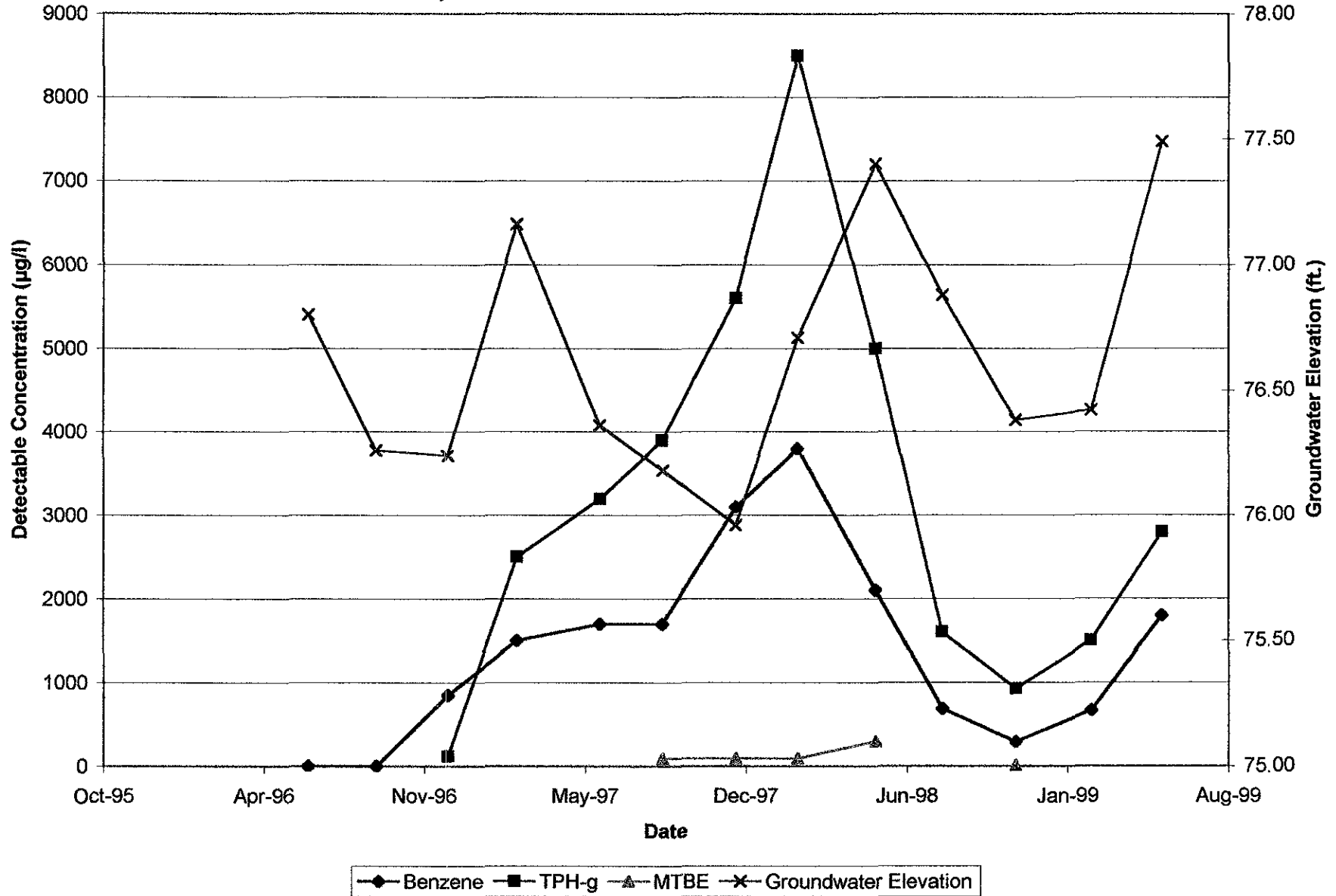
Graph 6, MW-6
 Sears Store No. 1039, 1911 Telegraph Avenue,
 Oakland, California

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

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

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(707) 792-1865 FAX (707) 792-0342
(650) 232-9600 FAX (650) 232-9612

International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 905-1299

Sampled: May 10, 1999
Relogged: Jun 25, 1999
Reported: Jun 29, 1999

QC Batch Number: GC062599 GC062599 GC062599 GC062599 GC062599

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 905-1299 MW3*	Sample I.D. 905-1300 MW-1*	Sample I.D. 905-1303 MW-5*	Sample I.D. 905-1304 MW-2*	Sample I.D. 905-1305 MW-7*
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	260	2,800
Benzene	0.50	N.D.	N.D.	8.8	260	1,800
Toluene	0.50	N.D.	N.D.	N.D.	2.2	16
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	7.9	81
Total Xylenes	0.50	N.D.	N.D.	N.D.	4.2	130
MTBE	2.5	N.D.	N.D.	2.6	24	63
Chromatogram Pattern:	--	--	--	Unidentified Hydrocarbons C6-C12	Gasoline	

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	6/25/99	6/25/99	6/25/99	6/28/99	6/28/99
Instrument Identification:	HP-2	HP-2	HP-2	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	93	93	105	90	97

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager

Please Note:
*Sample was analyzed after the EPA recommended holding time has elapsed. The results should be considered estimated values. The results match the original values from EPA 8010/8020 analyzed on May 20th, 1999.





Sequoia Analytical

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International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Sample Descript: Water, MW-5*
Analysis Method: EPA 8260
Lab Number: 905-1303

Sampled: May 10, 1999
Received: Jun 25, 1999
Analyzed: Jun 30, 1999
Reported: Jun 30, 1999

QC Batch Number: MS0625998260S2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE).....	2.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromofluoromethane.....	50	150
		101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Please Note:

- *Sample was analyzed after EPA recommended holding time has elapsed.
- *Sample has a non target compound that elutes at the same time as MTBE.





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International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Sample Descript: Water, MW-2*
Analysis Method: EPA 8260
Lab Number: 905-1304

Sampled: May 10, 1999
Received: Jun 25, 1999
Analyzed: Jun 30, 1999
Reported: Jun 30, 1999

QC Batch Number: MS0625998260S2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE).....	2.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromofluoromethane.....	50	150
		101

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

D Sharma
Dimple Sharma
Project Manager

Please Note:

- *Sample was analyzed after EPA recommended holding time has elapsed.
- *Sample has a non target compound that elutes at the same time as MTBE.





Sequoia Analytical

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International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Sample Descript: Water, MW-7*
Analysis Method: EPA 8260
Lab Number: 905-1305

Sampled: May 10, 1999
Received: Jun 25, 1999
Analyzed: Jun 30, 1999
Reported: Jun 30, 1999

QC Batch Number: MS0625998260S2A
Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE).....	2.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromofluoromethane.....	50	150
		93

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

D Sharma
Dimple Sharma
Project Manager

Please Note:

- *Sample was analyzed after EPA recommended holding time has elapsed.
- *Sample has a non target compound that elutes at the same time as MTBE.





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International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Matrix: Liquid

QC Sample Group: 9051299-305

Reported: Jul 2, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062599	GC062599	GC062599	GC062599
	802002A	802002A	802002A	802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9061584	9061584	9061584	9061584
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/25/99	6/25/99	6/25/99	6/25/99
Analyzed Date:	6/25/99	6/25/99	6/25/99	6/25/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	17	17	58
MS % Recovery:	95	85	85	97
Dup. Result:	21	18	18	62
MSD % Recov.:	105	90	90	103
RPD:	10	5.7	5.7	6.7
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	2LCS062599	2LCS062599	2LCS062599	2LCS062599
Prepared Date:	6/25/99	6/25/99	6/25/99	6/25/99
Analyzed Date:	6/25/99	6/25/99	6/25/99	6/25/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	19	18	18	61
LCS % Recov.:	95	90	90	102

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
---------------------------	--------	--------	--------	--------

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

SEQUOIA ANALYTICAL, #1271

D Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

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International Technology Corp.
757 Arnold Dr. Ste. D
Martinez, CA 94553
Attention: Melissa Gossel

Client Project ID: Sears Telegraph # 1039
Matrix: Liquid

QC Sample Group: 9051299-305

Reported: Jul 2, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE
QC Batch#:	GC062899 802004A	GC062899 802004A	GC062899 802004A	GC062899 802004A	MS063099 8260S2A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8260
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	N. Nelson
MS/MSD #:	9061625	9061625	9061625	9061625	8061845
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/28/99	6/28/99	6/28/99	6/28/99	6/30/99
Analyzed Date:	6/28/99	6/28/99	6/28/99	6/28/99	6/30/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GC/MS-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
Result:	22	18	19	66	57
MS % Recovery:	110	90	95	110	114
Dup. Result:	21	18	18	63	65
MSD % Recov.:	105	90	90	105	130
RPD:	4.7	0.0	5.4	4.7	13
RPD Limit:	0-20	0-20	0-20	0-20	0-25

LCS #:	4LCS062899	4LCS062899	4LCS062899	4LCS062899	LCS063099
Prepared Date:	6/28/99	6/28/99	6/28/99	6/28/99	6/30/99
Analyzed Date:	6/28/99	6/28/99	6/28/99	6/28/99	6/30/99
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	GC/MS-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
LCS Result:	23	19	19	64	66
LCS % Recov.:	115	95	95	107	132

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	70-130
---------------------------	--------	--------	--------	--------	--------

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Sharma
Dimple Sharma
Project Manager





Sequoia Analytical

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International Technology Corp.

757 Arnold Dr., Ste. D

Martinez, CA 94533

Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039

Matrix Descript: Water

Analysis Method: EPA 418.1 (I.R. with clean-up)

First Sample #: 905-1301

Sampled: May 10, 1999

Received: May 12, 1999

Extracted: May 25, 1999

Analyzed: May 25, 1999

Reported: May 26, 1999

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Petroleum Oil mg/L (ppm)	D.L. Mult. Factor	QC Batch Number	Instrument ID
905-1301	MW-6	N.D.	1.0	SP0525994181EXA	Miran-1A
905-1302	MW-4	N.D.	1.0	SP0525994181EXA	Miran-1A

Detection Limits:

5.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager



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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-3
Analysis Method: EPA 8010
Lab Number: 905-1299

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	5.1
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Bromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

D Sharma

Dimple Sharma
Project Manager



Sequoia Analytical

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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-1
Analysis Method: EPA 8010
Lab Number: 905-1300

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	14
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	109
4-Bromofluorobenzene.....	50	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager

4/27



Sequoia Analytical

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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-6
Analysis Method: EPA 8010
Lab Number: 905-1301

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,1,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.
Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager



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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-4
Analysis Method: EPA 8010
Lab Number: 905-1302

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
cis-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Dichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Bromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager



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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-5
Analysis Method: EPA 8010
Lab Number: 905-1303

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	N.D.
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	N.D.
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
1,1-Dibromodifluoromethane.....	50	150
1,4-Dibromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Dimple Sharma
Project Manager



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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-2
Analysis Method: EPA 8010
Lab Number: 905-1304

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	24
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	3.4
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	N.D.
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	7.0
Vinyl chloride.....	1.0	N.D.

Surrogates	Control Limit %	% Recovery
Dibromodifluoromethane.....	50	150
4-Bromofluorobenzene.....	50	150

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Project Manager



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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Sample Descript: Water, MW-7
Analysis Method: EPA 8010
Lab Number: 905-1305

Sampled: May 10, 1999
Received: May 12, 1999
Analyzed: May 20, 1999
Reported: May 26, 1999

QC Batch Number: GC052099801006A

Instrument ID: HP-6

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane.....	0.50	N.D.
Bromoform.....	0.50	N.D.
Bromomethane.....	1.0	N.D.
Carbon tetrachloride.....	0.50	N.D.
Chlorobenzene.....	0.50	N.D.
Chloroethane.....	1.0	N.D.
Chloroform.....	0.50	N.D.
Chloromethane.....	1.0	N.D.
Dibromochloromethane.....	0.50	N.D.
1,3-Dichlorobenzene.....	0.50	N.D.
1,4-Dichlorobenzene.....	0.50	N.D.
1,2-Dichlorobenzene.....	0.50	N.D.
1,1-Dichloroethane.....	0.50	N.D.
1,2-Dichloroethane.....	0.50	N.D.
1,1-Dichloroethene.....	0.50	65
cis-1,2-Dichloroethene.....	0.50	N.D.
trans-1,2-Dichloroethene.....	0.50	0.63
1,2-Dichloropropane.....	0.50	N.D.
cis-1,3-Dichloropropene.....	0.50	N.D.
trans-1,3-Dichloropropene.....	0.50	N.D.
Methylene chloride.....	5.0	N.D.
1,1,2,2-Tetrachloroethane.....	0.50	N.D.
Tetrachloroethene.....	0.50	N.D.
1,1,1-Trichloroethane.....	0.50	0.90
1,1,2-Trichloroethane.....	0.50	N.D.
Trichloroethene.....	0.50	N.D.
Trichlorofluoromethane.....	0.50	2.6
Vinyl chloride.....	1.0	N.D.
Surrogates		
Dibromodifluoromethane.....	Control Limit % 50	% Recovery 150..... 115
4-Bromofluorobenzene.....	50	150..... 70

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Matrix: Liquid

QC Sample Group: 9051299-307

Reported: May 26, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC052199 802002A	GC052199 802002A	GC052199 802002A	GC052199 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	9051354	9051354	9051354	9051354
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/21/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	5/21/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	16	15	17	52
MS % Recovery:	80	75	85	87
Dup. Result:	17	16	17	56
MSD % Recov.:	85	80	85	93
RPD:	6.1	6.5	0.0	7.4
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	2LCS052199	2LCS052199	2LCS052199	2LCS052199
Prepared Date:	5/21/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	5/21/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	17	18	58
LCS % Recov.:	90	85	90	97

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
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Project Manager



Sequoia Analytical

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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gosse

Client Project ID: Sears Telegraph #1039
Matrix: Liquid

QC Sample Group: 9051299-307

Reported: May 26, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC052199 802009A	GC052199 802009A	GC052199 802009A	GC052199 802009A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9051301	9051301	9051301	9051301
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/21/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	5/21/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	20	21	61
MS % Recovery:	95	100	105	102
Dup. Result:	18	19	20	59
MSD % Recov.:	90	95	100	98
RPD:	5.4	5.1	4.9	3.3
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	9LCS052199	9LCS052199	9LCS052199	9LCS052199
Prepared Date:	5/21/99	5/21/99	5/21/99	5/21/99
Analyzed Date:	5/21/99	5/21/99	5/21/99	5/21/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	20	20	59
LCS % Recov.:	90	100	100	98

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch
** MS = Matrix Spike MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271
Dimple Sharma
Dimple Sharma
Project Manager



Sequoia Analytical

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International Technology Corp.
757 Arnold Dr., Ste. D
Martinez, CA 94533
Attention: Melissa Gossel

Client Project ID: Sears Telegraph #1039
Matrix: Liquid

QC Sample Group: 9051299-307

Reported: May 26, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	MTBE	Oil & Grease
QC Batch#:	GC052099 801006A	GC052099 801006A	GC052099 801006A	MS052499 8260S2A	SP052599 4181EXA
Analy. Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8260	EPA 418.1
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	N. Nelson	N. VanSlambrook
MS/MSD #:	9051304	9051304	9051304	-	BLK052599
Sample Conc.:	N.D.	N.D.	N.D.	-	N.D.
Prepared Date:	3/20/99	3/20/99	3/20/99	-	5/25/99
Analyzed Date:	3/20/99	3/20/99	3/20/99	-	5/25/99
Instrument I.D.#:	HP-6	HP-6	HP-6	-	Miran-1A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	-	8.0 mg/L
Result:	16	18	15	-	7.3
MS % Recovery:	80	90	75	-	91
Dup. Result:	18	21	16	-	7.3
MSD % Recov.:	90	105	80	-	91
RPD:	12	15	6.5	-	0.0
RPD Limit:	0-25	0-25	0-25	-	0-30

LCS #:	LCS052099	LCS052099	LCS052099	LCS052499	LCS052599
Prepared Date:	5/20/99	5/20/99	5/20/99	5/24/99	5/25/99
Analyzed Date:	5/20/99	5/20/99	5/20/99	5/24/99	5/25/99
Instrument I.D.#:	HP-6	HP-6	HP-6	GC/MS-2	Miran-1A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	50 µg/L	8.0 mg/L
LCS Result:	14	17	16	55	6.4
LCS % Recov.:	70	85	80	110	80

MS/MSD LCS Control Limits	65-135	70-130	70-130	70-130	70-130
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Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.
** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

SEQUOIA ANALYTICAL, #1271
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Project Manager



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 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: IT Project Name: SEARS TELEGRAPH # 1039
 Mailing Address: 757 ARNOLD DR SUITE D Billing Address (if different): 1911
 City: MORTWELL State: CA Zip Code: 94833 9905374
 Telephone: (925) 370-3990 FAX #: (925) 370-3991 P.O. #: _____
 Report To: Melissa Gossel Sampler: Hector Medina QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Working Days 3 Working Days 2 - 8 Hours
 Time: 7 Working Days 2 Working Days AS CONTROLLED
 5 Working Days 24 Hours

Drinking Water WASTE-WATER
 Other
 Analysis Requested: _____

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analysis Requested						Comments	
1. MW3	5 13:30	GW	8	40mL	9051299 A-F	X	X						* MTBE
2. MW-1	/ 13:40		8		9051300	X	X						Detections in 8020
3. MW-6	/ 13:50		8		9051301 A-H	X	X	X					need confirmation by 8260, please run as needed
4. MW-4	10 14:00		8		9051302 A-H	X	X	X					Only MW-4
5. MW-5	/ 14:10		8		9051303 A-F	X	X						at MW-6 is to be analyzed
6. MW-2	/ 14:20		8		9051304	X	X						per 046 as per Devis-24 on 5/13/99 at 1500
7. MW-7	/ 14:30		8		9051305	X	X						
8. TBR Blank	—		1		9051306	X							
9. DUP	99 14:21	Y	2	Y	9051307 AB	X							
10.													

Relinquished By: <u>[Signature]</u>	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>5/12/99</u>	Time: <u>1500</u>
Relinquished By: <u>[Signature]</u>	Date: <u>5/12/99</u>	Time: <u>1625</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By Lab: <u>[Signature]</u>	Date: <u>5/12/99</u>	Time: <u>1625</u>

Pink - Client
 Yellow - Sequoia
 White - Sequoia