IT CORPORATION
A Member of The IT Group

ENVIRONMENTAL PROTECTION
99 OCT 28 PM 4:16

Transmittal Letter

Date: October 26, 1999

To: Juliet Schin

Company: Alameda County Environmental Health Services Department

Address: 1131 Harbor Bay Parkway, Suite 250

City: Alameda State/Zip: CA 94502-6577

We are sending via:
◯ Courier ☑ U.S. Mail ◯ UPS ◯ Overnight Mail ◯ Other _____

The following:
◯ Report ◯ Shop Drawings ◯ Samples
◯ Proposal ◯ Specifications ☑ Other Lab Rpt pages

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

Comments:

We are sending you herewith the laboratory report pages that were inadvertantly left out of the Third Quarter 1999, Groundwater Monitoring and Sampling Report, for Sears Store 1039, Oakland, California, dated September 30, 1999. Again, I apologize for this error, and can only contribute this error to the chaos of preparing for our office move, and the rush to get reports out before our office move (October 8, 1999). You should have received the fax with the missing pages yesterday, and now they are enclosed for your report copy. Please call me with any questions (925) 288-2126. Thank you. (Please note our new address/phone number - and my direct line)

Sincerely,
IT Corporation

Melissa Gossell
West Zone Project Manager

c: Scott DeMuth, Sears
Russ Zora/Central Files, IT Corp
Project Files

Sequoia Analytical

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

IT Corporation
757 Arnold Dr., Suite D
Martinez CA, 94553

Project: Sears
Project Number: Sears # 1039
Project Manager: Melisa Gossel

Reported:
24-Aug-99 16:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	W908193-07	Water	09-Aug-99 16:10	10-Aug-99 14:02
MW-1	W908193-01	Water	09-Aug-99 14:58	10-Aug-99 14:02
MW-6	W908193-04	Water	09-Aug-99 15:27	10-Aug-99 14:02
MW-7	W908193-03	Water	09-Aug-99 15:15	10-Aug-99 14:02
MW-4	W908193-05	Water	09-Aug-99 15:40	10-Aug-99 14:02
MW-5	W908193-06	Water	09-Aug-99 16:00	10-Aug-99 14:02
MW-3	W908193-02	Water	09-Aug-99 15:05	10-Aug-99 14:02

Sequoia Analytical - Walnut Creek

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

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	
757 Arnold Dr., Suite D	Project Number: Sears # 1039	**Reported:**
Martinez CA, 94553	Project Manager: Melisa Gossel	24-Aug-99 16:48

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W908193-01) Water Sampled: 09-Aug-99 14:58 Received: 10-Aug-99 14:02									
Bromodichloromethane	ND	0.50	ug/l	1	9H16010	17-Aug-99	17-Aug-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	8.5	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	14	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		*88.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*50-150*		"	"	"	"	

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	
757 Arnold Dr., Suite D	Project Number: Sears # 1039	**Reported:**
Martinez CA, 94553	Project Manager: Melisa Gossel	24-Aug-99 16:48

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W908193-02) Water Sampled: 09-Aug-99 15:05 Received: 10-Aug-99 14:02									
Bromodichloromethane	ND	0.50	ug/l	1	9H16010	17-Aug-99	17-Aug-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	12	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	4.8	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		*90.0 %*		*50-150*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*130 %*		*50-150*	"	"	"	"	

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	
757 Arnold Dr., Suite D	Project Number: Sears # 1039	**Reported:**
Martinez CA, 94553	Project Manager: Melisa Gossel	24-Aug-99 16:48

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W908193-03) Water Sampled: 09-Aug-99 15:15 Received: 10-Aug-99 14:02									
Bromodichloromethane	ND	0.50	ug/l	1	9H16010	17-Aug-99	17-Aug-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	**0.57**	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	**7.0**	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	**1.2**	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*66.0 %*		*50-150*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*50-150*	"	"	"	"	

Sequoia Analytical - Walnut Creek

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Dimple Sharma, Project Manager

ST ID 1630

DH

ENVIRONMENTAL PROTECTION

00 SEP 26 AM 9:04

TRANSMITTAL LETTER

TO: Juliet Schin
Alameda County Health Care Services Agency
1131 Harbor Bay Pkwy., Ste. 250
Alameda, CA 94502-6577

ATTN:

DATE: 09/21/00
FROM: *David Bero*
RE: Sears 1039 Oakland

We are sending the following.

☒ REPORT ☐ EWO/ECO ☐ OTHER

COPIES	DATE	DESCRIPTION
1	09/21/00	Third Quarter 2000 Groundwater Monitoring and Sampling Report

Transmitted as checked.

☐ For Approval ☐ For Your Use ☐ As You Requested

☐ For Comments ☐ For Resubmittal ☒ For Your Records

Transmitted as checked: ☐ Facsimile **Pages:** **including this cover** Fax Number:

☒ US Mail ☐ Overnight Express

Remarks:

IT Corporation
4005 Port Chicago Highway
Concord, CA 94520-1120
Tel. 925.288.9898
Fax. 925.288.0888

A Member of The IT Group

the IT group

September 20, 2000

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: Third Quarter 2000, Groundwater Monitoring and Sampling Report
Sears Auto Center No. 1039, 1901-1911 Telegraph Avenue, Oakland, California
IT Corporation Project 803686

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 August 1, 2000. Nine 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 any of the monitoring wells. A potentiometric surface map is provided in Figure 1 (Attachment 1). A summary of historical groundwater elevation data is provided in Table 1 (Attachment 2).

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), methyl tert-butyl ether (MTBE) and dissolved benzene, toluene, ethylbenzene and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260 and GC/MS Combination, and for purgeable halocarbons by EPA Method 8260. Groundwater samples from monitoring wells MW-4 and MW-6 were additionally analyzed for total recoverable petroleum hydrocarbons as oil and grease by EPA Method 418.1 with silica gel application.

Static groundwater levels for the third quarter 2000 ranged from 76.20 to 79.14 feet above mean sea level (13.52 to 17.52 feet below top of casing). Groundwater elevations have decreased by about 0.3 foot since second quarter (May 2, 2000). The apparent groundwater flow is to the east at an average hydraulic gradient of 0.015 foot per foot, and is similar to previous quarterly data.

Results of quarterly sampling indicated detectable concentrations of dissolved petroleum hydrocarbons in monitoring wells MW-2, MW-4, MW-5, MW-7, and MW-9, with highest concentrations of TPH-g and benzene in MW-7. MTBE was detected only in the sample collected from well MW-9 at a concentration of 2.7 micrograms per liter. All monitoring wells except MW-4 and MW-5 contained detectable concentrations of various halogenated volatile organics, such as chloroethane,

1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene, tetrachloroethene (PCE), and trichloroethene (TCE). These compounds, except for 1,2-DCA, are not typically found in gasoline or new/used motor oil. A summary of the groundwater analytical results is provided in 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 9 (Attachment 4). Petroleum 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 petroleum hydrocarbons and halogenated volatile organics have been generally declining since monitoring began in 1995. A sharp decrease of dissolved BTEX and TPH-g concentrations from well MW-7 to the most downgradient well, MW-9, indicates that the downgradient limit of the dissolved gasoline plume is near MW-9. The source of the dissolved chlorinated hydrocarbons, particularly PCE and TCE, is not known. TCE and some of the other constituents may be breakdown products of PCE. All site-related 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

REGISTERED GEOLOGIST
EDVARDAS (ED) K. SIMONIS
No. 4422
STATE OF CALIFORNIA

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

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	CONCORD	803686-B5

CHECKED BY	DRAWN BY	APPROVED BY
	RT	8/23/00

WILLIAMS STREET

SAN PABLO AVENUE

PARKING GARAGE

TELEGRAPH AVENUE

N

W-11

MW-05 (78.57)

MW-02 (78.70)

MW-04 (78.31)

MW-06 (77.31)

MW-09 (76.20)

MW-01 (79.14)

MW-07 (77.40)

MW-08 (76.97)

MW-03 (79.02)

79.0

78.5

78.0

77.5

77.0

76.5

CANOPY

FORMER CHEVRON STATION

FORMER WASTE OIL TANK

P-07/ P-11

i=0.015

ABOVEGROUND WASTE OIL TANK

FORMER GASOLINE TANK EXCAVATION

USED TIRE STORAGE AREA

SERVICE BAY

SEARS AUTO TIRE CENTER

STOCK ROOM

SHOW ROOM

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=0.015 AVERAGE GRADIENT (ft/ft)

0 FEET 50
SCALE

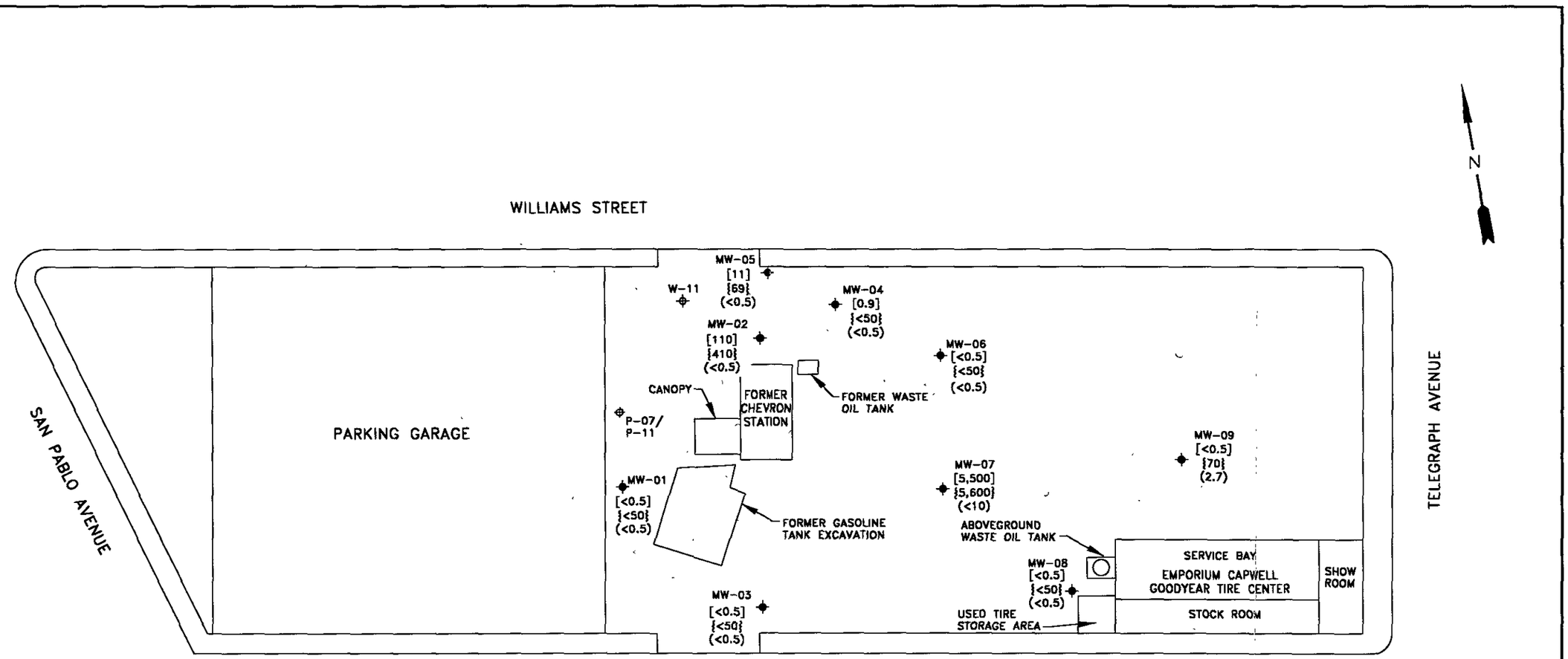
IT CORPORATION

SEARS, ROEBUCK & CO.
SITE NO. 1039

FIGURE-1
POTENTIOMETRIC SURFACE MAP
(GAUGED 08/01/2000)
1901-1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

FORMAT REVISION 2/26/99

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	CONCORD	RT 8/17/00			803686-B6



LEGEND

- ◆ MONITORING WELL
- ⊕ SOIL PROBE
- [ ] BENZENE CONCENTRATION [ug/L]
- { } TPH AS GASOLINE CONCENTRATIONS {ug/L}
- ( ) METHYL TERT-BUTYL ETHER (MTBE) CONCENTRATIONS (ug/L) (ANALYZED BY EPA 8260 AND GC/MS COMBINATION)
- * DUPLICATE

0 FEET 50
SCALE

IT CORPORATION

SEARS, ROEBUCK & CO.
SITE NO. 1039

FIGURE-2
CONCENTRATIONS OF BENZENE
TPH-AS-GASOLINE & MTBE
IN GROUNDWATER
(SAMPLED August 1, 2000)
1901-1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

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
		11/05/99	16.29	–	–	78.05
	94.34	02/01/00	16.02	–	–	78.32
		05/02/00	14.48	–	–	79.86
		08/01/00	15.20	–	–	79.14
MW-2	93.95	06/12/96	16.01	–	–	77.94
		09/05/96	16.66	–	–	77.29
		12/03/96	16.20	–	–	77.75
		02/27/97	14 46	–	–	79.49
		06/10/97	14.00	–	–	79.95
		08/27/97	16.55	–	–	77.40
		11/26/97	16.86	–	–	77.09
		02/11/98	15.85	–	–	78.10
		05/19/98	15.32	–	–	78.63
		08/10/98	15.82	–	–	78.13
		11/09/98	16.53	–	–	77.42
		02/11/99	16.38	–	–	77.57
		05/10/99	15.19	–	–	78.76
		08/09/99	16.09	–	–	77.86
		11/05/99	16.20	–	–	77.75
	93.95	02/01/00	16.00	–	–	77.95
		05/02/00	14.90	–	–	79.05
		08/01/00	15.25	–	–	78.70
MW-3	96.15	06/12/96	17.56	–	–	78.59
		09/05/96	18.32	–	–	77.83
		12/03/96	18.57	–	–	77.58
		02/27/97	17.43	–	–	78.72
		06/10/97	18.12	–	–	78.03
		08/27/97	18.47	–	–	77.68
		11/26/97	18.70	–	–	77.45
		02/11/98	17.76	–	–	78.39
		05/19/98	16.99	–	–	79.16
		08/10/98	17.51	–	–	78.64

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		11/09/98	18.07	–	–	78.08
cont.		02/11/99	18.07	–	–	78.08
		05/10/99	17.04	–	–	79.11
		08/09/99	17.77	–	–	78.38
		11/05/99	18.00	–	–	78.15
	96.15	02/01/00	17.95	–	–	78.20
		05/02/00	16.83	–	–	79.32
		08/01/00	17.13	–	–	79.02
MW-4	92.01	06/12/96	14.21	–	–	77.80
		09/05/96	14.83	–	–	77.18
		12/03/96	13.99	–	–	78.02
		02/27/97	12.44	–	–	79.57
		06/10/97	14.20	–	–	77.81
		08/27/97	14.62	–	–	77.39
		11/26/97	15.00	–	–	77.01
		02/11/98	14.10	–	–	77.91
		05/19/98	13.57	–	–	78.44
		08/10/98	14.10	–	–	77.91
		11/09/98	14.75	–	–	77.26
		02/11/99	14.57	–	–	77.44
		05/10/99	13.46	–	–	78.55
		08/09/99	14.15	–	–	77.86
		11/05/99	14.62	–	–	77.39
	92.01	02/01/00	14.50	–	–	77.51
		05/02/00	13.40	–	–	78.61
		08/01/00	13.70	–	–	78.31
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
		11/05/99	14.40	–	–	77.69
	92.09	02/01/00	14.15	–	–	77.94
		05/02/00	13.10	–	–	78.99
		08/01/00	13.52	–	–	78.57
MW-6	92.16	06/12/96	14.99	–	–	77.17
		09/05/96	15.50	–	–	76.66
		12/03/96	15.07	–	–	77.09

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 cont.	92.16	02/27/97	14.14	–	–	78.02
		06/10/97	15.30	–	–	76.86
		08/27/97	15.42	–	–	76.74
		11/26/97	15.70	–	–	76.46
		02/11/98	14.87	–	–	77.29
		05/19/98	14.32	–	–	77.84
		08/10/98	14.90	–	–	77.26
		11/09/98	15.39	–	–	76.77
		02/11/99	15.21	–	–	76.95
		05/10/99	14.12	–	–	78.04
		08/09/99	15 00	–	–	77.16
		11/05/99	15.55	–	–	76.61
		02/01/00	15.40	–	–	76.76
		05/02/00	14.55	–	–	77.61
		08/01/00	14.85	–	–	77.31
MW-7	93.80	06/12/96	16.56	–	–	77.24
		09/05/96	17.10	–	–	76.70
		12/03/96	17.12	–	–	76.68
		02/27/97	16.20	–	–	77.60
		06/10/97	17.00	–	–	76.80
		08/27/97	17.18	–	–	76 62
		11/26/97	17.40	–	–	76.40
		02/11/98	16.65	–	–	77.15
		05/19/98	15.96	–	–	77.84
		08/10/98	16.48	–	–	77.32
		11/09/98	16.98	–	–	76.82
		02/11/99	16.94	–	–	76.86
		05/10/99	15.87	–	–	77.93
		08/09/99	16.60	–	–	77.20
		11/05/99	17.01	–	–	76.79
		02/01/00	17.00	–	–	76.80
		05/02/00	16.00	-	-	77.80
		08/01/00	16.40	-	-	77.40
MW-8	94.49	11/05/99	18.15	–	–	76.34
		02/01/00	18.10	–	–	76.39
		05/02/00	17.26	–	–	77.23
		08/01/00	17.52	–	–	76.97
MW-9	92.54	11/05/99	16.86	–	–	75.68
		02/01/00	16.70	–	–	75.84
		05/02/00	16.02	–	–	76.52
		08/01/00	16.34	–	–	76.20

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	PCE	TCE	1,2-DCA	cis-1,2 DCE	1,1-DCE	OIL/ GREASE
MW-1	10/01/95	--	ND	ND	ND	ND	<50	9.9	ND	ND	--	--	--
	01/01/96	--	ND	ND	ND	ND	<50	9.9	14	ND	--	--	--
	06/12/96	--	<0.5	1.4	<0.5	<2	<50	12	<0.5	<0.5	--	--	--
	09/05/96	<5.0	<0.5	<0.5	<0.5	<2	<50	12	<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	<0.5	--
	02/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	31	1.3	<0.5	<0.5	<0.5	--
	06/10/97	<5.0	<0.5	<0.5	<0.5	<2	<50	19	<0.5	<0.5	<0.5	<0.5	--
	08/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	16	<0.5	<0.5	<0.5	<0.5	--
	11/26/97	<5.0	<0.5	<0.5	<0.5	<2	<50	17	<0.5	<0.5	<0.5	<0.5	--
	02/11/98	<5.0	<0.5	<0.5	<0.5	<3	<50	20	<0.5	<0.5	<0.5	<0.5	--
	05/19/98	<5.0	<0.5	<0.5	<0.5	<4	<50	14	<0.5	<0.5	<0.5	<0.5	--
	08/10/98	<2.5	<0.5	<0.5	<0.5	<5	<50	14	<0.5	<0.5	<0.5	<0.5	--
	11/09/98	3.1	<0.5	<0.5	<0.5	<0.5	<50	16	<0.5	<0.5	<0.5	<0.5	--
	02/08/99	<2.5	<0.5	<0.5	<0.5	<5	<50	<0.5	20	<0.5	<0.5	<0.5	--
	05/10/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	14	<0.5	<0.5	<0.5	<0.5	--
	08/09/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	14	<0.5	<0.5	<0.5	<0.5	--
	11/05/99	<2.5	<0.5	<0.5	<0.5	<0 5	<50	20	<0.5	<0.5	<0.5	<0.5	--
	02/01/00	<0.5*	<0.5	<0.5	<0.5	<0.5	<50	24	<0.5	<0.5	<0.5	<0.5	--
	05/02/00	<0.5*	<0.5	<0.5	<0.5	<0 5	<50	23	<0.5	<0.5	<0.5	<0.5	--
	08/01/00	<0.5	<0.5	<0.5	<0.5	<0.5	<50	21	0.5	<0.5	<0.5	<0.5	--
MW-2	10/01/95	--	1,200	5.4	41	5.9	2,900	ND	40	280	--	--	--
	01/01/96	--	1,100	11.0	100	6.9	780	ND	38	270	--	--	--
	06/12/96	--	890	7.0	56	10	3,600	<3	40	160	--	--	--
	09/05/96	<5.0	350	3.0	17	10	2,100	<0.5	29	55	1.9	55	--
	12/03/96	40	230	2.4	7.8	7	1,100	<0.5	20	86	7	<0.5	--
	02/27/97	12	210	2.2	6	3	1,000	1	25	43	<0.5	<0.5	--
	06/10/97	<30	510	3.0	6	<10	1.8	1	19	47	4.9	<0.5	--
	08/27/97	11	51	<0.5	1.4	<2	450	0.5	16	29	4.2	<0.5	--
	11/26/97	<30	380	5.0	9	12	1,200	1	13	29	3.1	<0.5	--
	02/11/98	8	310	4.0	9.8	9	1,100	<0.5	16	<0.5	2.6	0 6	--
	05/19/98	20	320	2.1	9.9	8	1,200	1	14	47	1 6	<0.5	--
	08/10/98	40	37	1.0	1.2	0.9	300	<0.5	11	30	2.4	<0.5	--
	11/09/98	<2.5	57	<0.5	1.7	<0.5	440	<0.5	12	25	2.3	<0.5	--
	02/08/99	11	240	2.3	8.9	5	480	<0.5	11	36	1.4	<0.5	--
	05/10/99	24/<2.0*	260	2.2	7.9	4.2	260	<0.5	7	24	3.4	<0.5	--
	08/09/99	14/<2.0*	43	0.79	0.54	<0.5	250	<0.5	11	33	2.6	<0.5	--
	11/05/99	11/<2.0*	63	0.68	0.65	1.1	320	<0.5	13	41	1.3	<0.5	--
	02/01/00	<0.5*	610/ 590**	4.4/ 6.3**	63/ 65**	5.9/ 7.1**	1200	<0.5	15	73	2	<0.5	--
	05/02/00	<0.5*	540/600**	3.7/<5.0**	15/14**	14/11**	930	<0.5	8.4	32	4.5	<0.5	--
	08/01/00	<0.5	110	1.2	4.8	1.6	410	<0.5	9.4	23	2.9	<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	2.3	<0.5	<0.5	<0.5	<0.5	--
	02/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	6.3	<0.5	<0.5	<0.5	<0.5	--
	06/10/97	<5.0	<0.5	<0.5	<0.5	<2	<50	5.9	<0.5	<0.5	<0.5	<0.5	--
	08/27/97	<5.0	<0.5	<0.5	<0.5	<2	<50	5.8	<0.5	<0.5	<0.5	<0.5	--
	11/26/97	<5.0	<0.5	<0.5	<0.5	<2	<50	7.9	<0.5	<0.5	<0.5	<0.5	--
	02/11/98	<5.0	<0.5	<0.5	<0.5	<2	<50	7.9	<0.5	<0.5	<0.5	<0.5	--
	05/19/98	<5.0	<0.5	<0.5	<0.5	<2	<50	5.5	<0.5	<0.5	<0.5	<0.5	--
	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	5.5	<0.5	<0.5	<0.5	<0.5	--
	02/08/99	<2.5	<0.5	<0 5	<0.5	<0.5	<50	6.4	<0.5	<0.5	<0 5	<0.5	--
	05/10/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	5.1	<0.5	<0.5	<0.5	<0.5	--
	08/09/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	4.8	<0.5	<0.5	<0.5	<0.5	--
	11/05/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	7.2	<0 5	<0 5	<0.5	<0.5	--
	02/01/00	<0.5*	<0.5	<0.5	<0.5	<0.5	<50	6.9	<0 5	<0.5	<0.5	<0.5	--
	05/02/00	<0.5*	<0.5	<0.5	<0 5	<0.5	<50	6.4	<0.5	<0.5	<0.5	<0.5	--
	08/01/00	<0.5	<0.5	<0.5	<0.5	<0 5	<50	5.6	<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	PCE	TCE	1,2-DCA	cis-1,2 DCE	1,1-DCE	OIL/ GREASE
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	<0.5	0.9	<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	<0.5	<500
	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	<0.5	<500
	02/11/98	<5.0	8.4	<0.5	<0.5	<2	110	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	05/19/98	7	4.6	<0.5	<0.5	<2	110	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	08/10/98	11	4.1	<0.5	<0.5	<0.5	110	<0.5	<0.5	<0.5	<0.5	<0.5	9,600
	11/09/98	<2.5	7.5	<0.5	<0.5	<0.5	130	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	02/08/99	<2.5	6.8	<0.5	<0.5	<0.5	60	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	05/10/99	<2.0	1.3	<0.5	<0.5	<0.5	61	<0.5	<0.5	<0.5	<0.5	<0.5	<5000
	08/09/99	3.9/<2.0*	7.9	<0.5	<0.5	<0.5	94	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	11/05/99	<2.5	9.0	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/01/00	<0.5*	18	<0.5	<0.5	<0.5	150	<0.5	<0.5	<0.5	<0.5	<0.5	800
	05/02/00	<0.5*	8.5	<0.5	<0.5	<0.5	55	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	08/01/00	<0.5	0.9	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	>1.0
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	--
	02/01/00	<0.5*	42	1.2	<0.5	<0.5	180	<0.5	<0.5	<0.5	<0.5	<0.5	--
	05/02/00	<0.5*	12	0.7	<0.5	<0.5	120	<0.5	<0.5	<0.5	<0.5	<0.5	--
	08/01/00	<0.5	11	<0.5	<0.5	<0.5	69	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW-6	10/01/95	--	ND	ND	ND	ND	<50	6.2	11	33	--	--	--
	01/01/96	--	ND	ND	ND	ND	<50	7.2	12	5.3	--	--	--
	06/12/96	--	<0.5	<0.5	<0.5	<2	<50	3.6	5	7.9	--	--	<0.5
	09/05/96	<5	0.8	<0.5	<0.5	<2	<50	5.4	5.2	7.5	--	--	<0.5
	12/03/96	<5	<0.5	<0.5	<0.5	<2	<50	0.9	0.6	0.5	<0.5	<0.5	<0.5
	02/27/97	<5	<0.5	<0.5	<0.5	<2	<50	1.3	0.5	<0.5	<0.5	<0.5	<500
	06/10/97	<5	0.9	<0.5	<0.5	<2	<50	1	<0.5	<0.5	<0.5	<0.5	--
	08/27/97	<5	<0.5	<0.5	<0.5	<2	<50	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
	11/26/97	7.6	15	0.9	9.1	<2	320	1.2	0.6	0.8	<0.5	<0.5	<500
	02/11/98	<5	<0.5	<0.5	<0.5	<2	<50	0.7	<0.5	0.5	<0.5	<0.5	<500
	05/19/98	<5	0.6	<0.5	<0.5	<2	<50	0.6	<0.5	<0.5	<0.5	<0.5	<500
	08/10/98	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.5	0.59	1.3	<0.5	<0.5	9,000
	11/09/98	<2.5	<0.5	<0.5	<0.5	<0.5	<50	1.2	0.92	1.7	<0.5	<0.5	<500
	02/08/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.86	<0.5	1.2	<0.5	<0.5	<500
	05/10/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5000
	08/09/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.52	<0.5	<0.5	<0.5	<0.5	<1000
	11/05/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.89	0.89	1.2	<0.5	<0.5	--
	02/01/00	<0.5*	<0.5	<0.5	<0.5	<0.5	<50	1.2	0.9	2.2	<0.5	<0.5	<1000
	05/02/00	<0.5*	<0.5	<0.5	<0.5	<0.5	<50	2.6	0.8	1.3	<0.5	<0.5	<1000
	08/01/00	<0.5	<0.5	<0.5	<0.5	<0.5	<50	0.8	0.9	2.3	<0.5	<0.5	>1000

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	PCE	TCE	1,2-DCA	cis-1,2 DCE	1,1-DCE	OIL/ GREASE
MW-7	10/01/95	--	ND	ND	ND	ND	<50	5.3	3.5	8.3	--	--	--
	01/01/96	--	ND	ND	ND	ND	<50	9.3	4.8	5.7	--	--	--
	06/12/96	--	0.6	<0.5	<0.5	<2	<50	6.1	3.4	2.9	--	--	--
	09/05/96	<5	1.2	<0.5	<0.5	<2	<50	8.3	4.2	5.9	--	--	--
	12/03/96	<5	850	<5	<5	30	120	4	4	75	<3	<3	<0.5
	02/27/97	<30	1500	3.0	23	<10	2,500	2	4	65	<0.5	<0.5	--
	06/10/97	<50	1700	<5	59	<20	3,200	2	4.2	85	<0.5	<0.5	--
	08/27/97	90	1700	8.0	200	40	3,900	<3	5	93	<3	<3	--
	11/26/97	90	3,100	15.0	190	30	5,600	3	5.9	120	1	<0.5	--
	02/11/98	90	3,800	25.0	250	80	8,500	4	8.9	93	1.2	<0.5	--
	05/19/98	300	2,100	440.0	150	220	5,000	2	3.8	74	0.6	<0.5	--
	08/10/98	<50	690	<10	13	<10	1,600	<2.5	3.3	100	<2.5	<2.5	--
	11/09/98	8.7	295	5.5	4.3	1.5	930	4.2	6.5	110	<2.5	<2.5	--
	02/08/99	<50	670	<10	14	<10	1,500	6	3.4	74	<1.2	<1.2	--
	05/10/99	63/<2.0*	1,800	16.0	81	130	2,800	1	2.6	65	0.63	<0.5	--
	08/09/99	300/6.5	570	5.1	28	30	1,500	<0.5	1.2	95	0.57	<0.5	--
	11/05/99	150/11*	1,200	<5	61	25	2,100	4	7.8	95	1.6	<0.5	--
	02/01/00	6.6*	2,600	16.0	140	210	4,600	3	6	110	1.7	<0.5	--
	05/02/00	<5.0*	2,700	25	80	270	4,200	<5.0	<5.0	84	<5.0	<5.0	--
	08/01/00	<10	5,500	27	300	390	5,600	<10	<10	85	<10	<10	--
MW-8	11/05/99	<2.5	<0.5	<0.5	<0.5	<0.5	<50	6.2	<0.5	<0.5	<0.5	<0.5	--
	02/01/00	<0.5*	0.6	<0.5	<0.5	<0.5	<50	7.8	<0.5	<0.5	<0.5	<0.5	--
	05/02/00	<0.5*	1.1	<0.5	<0.5	<0.5	<50	5.9	<0.5	<0.5	<0.5	<0.5	--
	08/01/00	<0.5	<0.5	<0.5	<0.5	<0.5	<50	5.6	<0.5	<0.5	<0 5	<0.5	--
MW-9	11/05/99	3/2.4*	<0.5	<0.5	<0.5	<0.5	<50	65	29	32	<0.5	<0.5	--
	02/01/00	3.0*	2 6	<0.5	<0.5	<0 5	<50	60	22	36	0.7	<0.5	--
	05/02/00	2.0*	0.6	<0.5	<0.5	<0.5	77	39	19	30	0.5	<0.5	--
	08/01/00	2.7	<0.5	<0.5	<0.5	<0.5	70	41	19	37	0.7	<0.5	--

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
PCE	=	Tetrachloroethene
1,2-DCA	=	1,2-Dichloroethane
TCE	=	Trichloroethene
MTBE	=	Methyl tert-Butyl ether
*	=	MTBE analysis using EPA 8260
**	=	Duplicate
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 an 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 triple 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 three 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, ethylbenzene, xylenes, 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.

8|1

SITE VISIT FORM
IT Corporation - Concord, California

Project: 803686.00 Technician: A. Herrera
Site: SEARS/1039/Oakland, CA Scheduled: 7/24/2000
Project Mgr: David Bero Site Mgr: Brad Wooland

PREPARATORY COMMENTS

Visit Date: 8/1/00 Arrival Time: 8:30am Departure Time: 13:00

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: 03054300 [Quarterly]

SITE ADDRESS: 1911 Telegraph Avenue, Oakland, CA

cc: David Bero

NOTE: CONTACT SEARS SITE MANAGER AND GET BUSINESS CARD WHILE ON SITE.

NOTIFY: Jennie Pinocci 48 hrs. in advance (510) 444-7662. (She will insure that wells are not covered).

Notify Don Whang 72 hrs. in advance (510) 567-6746. DONE: left Message 7/28/00 @ 2:40

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.

1. Monitor and sample nine (9) wells in the following order: MW-3, MW-1, MW-6, MW-4, MW-5, MW-2, MW-8, MW-9 and MW-7. USE DISPOSABLE BAILERS. Collect two (2) 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.

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 (Zymax).

Auto Center Manager
Herb McIntyre
(510) 628-8425

SITE VISIT FORM
IT Corporation - Concord, California

Project: 803686.00 Technician: L. Merino
Site: SEARS/1039/Oakland, CA Scheduled: 7/24/2000
Project Mgr: David Bero Site Mgr: Brad Wooland

GROUNDWATER SAMPLING (Continued) - Task Nr: 03054300 [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 Zymax, ph. # (805) 544-4696, to be analyzed for BTEX/MTBE/TPH-G (EPA Method 8020/8015M) and chlorinated hydrocarbons (EPA method 8260). Wells MW-4and 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

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. David Bero

Technician Hector Marino
Schedule. 5-1-05
Job No 803686.03054300

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 15.20	SAT. THICK ___	#GAL. BAILED_____
MW-2	DTB_24.10	DTW 15.25	SAT. THICK___	#GAL BAILED_____
MW-3.	DTB_27.75	DTW 17.13	SAT. THICK___	#GAL. BAILED_____
MW-4.	DTB_23.55	DTW 13.70	SAT. THICK___	#GAL. BAILED_____
MW-5:	DTB_25.10	DTW 13.52	SAT. THICK___	#GAL. BAILED_____
MW-6	DTB_26.75	DTW 14.85	SAT THICK___	#GAL. BAILED_____
MW-7.	DTB_26.20	DTW 16.40	SAT. THICK___	#GAL BAILED_____
MW-8	DTB_25.0	DTW 17.52	SAT. THICK___	#GAL. BAILED_____
MW-9	DTB_25.0	DTW 16.34	SAT. THICK___	#GAL. BAILED_____

NOTES: Opened all wells before gauging.
two drums in ~~garage~~ garage.
Spoke with Auto Center manager.

HOURS ESTIMATED: HOURS USED:

FINAL CHECKS

Are Wells Locked? (YES) NO Why Not?

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

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 Address/City/State/ZIP 1911 Telegraph Ave Oakland CA

Sears Facility Contact and Phone # Herb McIntyre (510) 628-8455

IT Corporation Representative Hector Merino

Accumulation Start Date 8-1-00 Completion Date: 8-1-00

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	2	A, B	(O) or B	H / (N) / U	Black/White
GASOLINE TANK BOTTOMS/SLUDGE			O or B	H / N / U	
GASOLINE IMPACTED DEBRIS			O or B	H / N / U	
GASOLINE IMPACTED SOIL			O or B	H / N / U	
FUEL OIL (INC. DIESEL & HEATING OIL)			O or B	H / N / U	
FUEL OIL/WATER MIXTURE			O or B	H / N / U	
FUEL OIL IMPACTED PURGE WATER			O or B	H / N / U	
FUEL OIL TANKS BOTTOMS/SLUDGE			O or B	H / N / U	
FUEL OIL IMPACTED DEBRIS			O or B	H / N / U	
FUEL OIL IMPACTED SOIL			O or B	H / N / U	
HYDRAULIC FLUID			O or B	H / N / U	
HYDRAULIC FLUID/WATER MIXTURE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED PURGE WATER			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SLUDGE			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED DEBRIS			O or B	H / N / U	
HYDRAULIC FLUID IMPACTED SOIL			O or B	H / N / U	
USED OIL			O or B	H / N / U	
USED OIL/WATER MIXTURE			O or B	H / N / U	
USED OIL IMPACTED PURGE WATER			O or B	H / N / U	
USED OIL TANK BOTTOMS/SLUDGE			O or B	H / N / U	
USED OIL IMPACTED DEBRIS			O or B	H / N / U	
USED OIL IMPACTED SOIL			O or B	H / N / U	
CHLORINATED SOLVENT			O or B	H / N / U	
NON-CHLORINATED SOLVENT:			O or B	H / N / U	
OTHER.			O or B	H / N / U	
OTHER:			O or B	H / N / U	
OTHER:			O or B	H / N / U	

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

DRUMMED MATERIAL INVENTORY FORM

Store Number 1039 City/State 1911 Telegraph Ave Oakland Ca.

IT Corporation Representative Hector Marino

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

DRUM ID	ACCUMULATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific)	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	8-1-00	Purge Water	Groundwater Wells	NO	55
B	8-1-00	Purge Water	Groundwater Wells	NO	55

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 1914 Telegraph Ave Oakland Ca.

Sears Facility Contact and Phone # Herb McIntyre (510) 628-5425

IT Corporation Representative Hector Marin

Accumulation Start Date 8-1-02 Completion Date 8-1-02

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 _____ ÷ 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

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-00
Page 2 of 9
Project Manager: David Bero

Well ID: MW-1
Well Diameter: 2

DTW Measurements:
Initial 15.20
Recharge:
DTB: 24.25

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~~) mS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
9:30	23.4	0.15	7.20	1.23	1	cloudy	
	23.4	1.01	7.20		2		
	23.3	0.92	7.19		3		
	23.3	0.98	7.19		4		
	23.3	0.88	7.19		5		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-02
Page 1 of 1
Project Manager: David Bero

Well ID: MW-2
Well Diameter: 4

DTW Measurements:
Initial: 15.25
Recharge:
DTB: 24.76

Calc Well Volume: 5.7 gal
Well Volume x3: 17.3 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~~) MW in	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:09	22.1	1.72	6.46	.40	5	cloudy	
	21.9	1.70	6.35		10		
	21.5	1.71	6.35		15	↓	D.T.W. @ 15 Gallons
					18		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-06
Page 1 of 1
Project Manager: David Bero

Well ID MW-3
Well Diameter 4

DTW Measurements:
Initial 17.13
Recharge
DTB: 27.75

Calc Well Volume 6.9 gal
Well Volume X3 21.0 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)~~ MT (M	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:00	21.5	0.72	6.97		6	cloudy	
	21.5	0.71	6.83		12		
	21.4	0.77	6.57		18		
	21.4	0.80	6.51		21	↓	

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-02
Page 4 of 9
Project Manager: David Bero

Well ID MW-4
Well Diameter: 4

DTW Measurements:
Initial: 13.70
Recharge:
DTB: 23.55

Calc Well Volume: 6.4 gal
Well Volume X 3 19.2 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) mS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:42	21.8	1.70	6.59	.53	6	cloudy	
	22.4	1.68	6.51		12		
	21.9	1.97	6.62		18	↓	

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 5-1-08
Page 2 of 9
Project Manager: David Bero

Well ID MW-5
Well Diameter 2

DTW Measurements:
Initial 13.52
Recharge
DTB: 25.10

Calc Well Volume 1.8 gal
Well Volume *3 5.4 gal

Purge Method
Peristaltic
Gear Drive
Submersible X

Pump Depth ft.
Hand Bailed
Air Lift
Other

Instruments Used
YSI: X
Hydac
Omega:
Other

Time	Temp °C / F	Conductivity (~~mmhos/cm~~) mS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:52	23.6	1.93	6.62	1.48	1	cloudy	GREY/odor
	23.5	1.90	6.68		2		
	22.4	1.92	6.72		3		
	22.0	1.79	6.74		4		DRY @ 4 GALLONS
					5		
					6		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-02
Page 3 of 9
Project Manager: David Berc

Well ID: MW-6
Well Diameter: 2

DTW Measurements:
Initial: 14.85
Recharge:
DTB: 26.75

Calc Well Volume: 1.9 gal
Well Volume: X3 6.0 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)~~ mS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
10:18	22.0	1.89	6.27	.66	1	Cloudy	
	21.9	1.96	6.34		2		
	21.8	1.99	6.37		3		
	21.7	2.08	6.40		4		
	21.6	2.13	6.42		5		DRY @ 5 GALLONS
					6		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-02
Page 9 of 9
Project Manager: David Bero

Well ID: MW-7
Well Diameter: 2

DTW Measurements
Initial: 16.40
Recharge:
DTB: 26.20

Calc Well Volume: 1.5 gal
Well Volume: X3 5.0 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)~~ MS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
12:02	23.8	1.44	6.49	.58	1	cloudy	
	24.6	1.48	6.47	|	2	|	
	23.2	1.46	6.43	|	3	|	
	22.1	1.39	6.40	|	4	|	
	22.0	1.34	6.38	|	5	↓	DRY @ 5 Gallons

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-08
Page 1 of 2
Project Manager: David Berg

Well ID: MW-8
Well Diameter: 2

DTW Measurements:
Initial: 17.52
Recharge:
DTB: 25.00

Calc Well Volume: 1.2 gal
Well Volume: x 4.6 gal

Purge Method
Peristaltic:
Gear Drive:
Submersible: X

Pump Depth: ft
Hand Bailed:
Air Lift:
Other:

Instruments Used
YSI: X
Hydac.
Omega:
Other:

Time	Temp C / F	Conductivity (mmhos/cm) mS/cm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:26	25.6	1.75	6.38	2.15	1	Cloudy	Brown
	25.5	0.98	6.53		2		
	23.1	0.97	6.64		3	↓	Dry @ 3 Gallons
					4		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 803686.03054300

Date: 8-1-00
Page 5 of 9
Project Manager: David Bero

Well ID MW-9
Well Diameter 2

DTW Measurements:
Initial 16.34
Recharge
DTB 25.01

Calc Well Volume: 2.6 gal
Well Volume: X3 8.0 gal

Purge Method
Peristaltic
Gear Drive
Submersible X

Pump Depth ft
Hand Bailed
Air Lift
Other

Instruments Used
YSI X
Hydac:
Omega
Other

Time	Temp C / F	Conductivity (~~mmhos/cm~~) MTkm	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
11:43	23.9	0.43	6.39	.52	2	cloudy	
	22.5	0.47	6.35		4	L	DRY @ 4 Gallons
					6		
					8		

ZymaX

71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

CHAIN of CUSTODY

report to: David Bero	phone: (775) [illegible]9898 · fax: (775) [illegible]0555
company: IT Corp	project: Sears Telegraph #1039
address: 4005 Port Chicago Hwy, Concord Ca 94520	project #: 117606.01.C3054300
	sampler: Hector Merino

ANALYSIS REQUESTED

Turnaround Time: ASAP ☐ 48 hr ☐ 12 hr ☐ 72 hr ☐ 24 hr ☐ std ☐

ZymaX use only	SAMPLE DESCRIPTION	Date Sampled	~~Time~~	Matrix	Preserve	[illegible] 8260	[illegible] 8021 [illegible]	[illegible] 8020	# of containers	Remarks
	MW-1	8/1/00 9:50	2	GW	HCl	X	X			MTBE detections [illegible]
	MW-3	10:10	2			X	X			to be confirmed by
	MW-6	10:29	2			X	X			8260 [illegible]
	MW-4	10:44	2			X	X			[illegible]
	MW-5	11:04	2			X	X			
	MW-2	11:21	2			X	X			
	MW-8	11:34	2			X	X			
	MW-9	11:58	2			X	X			
	MW-7	12:19	2			X	X			
	~~MW-6~~					~~X~~	~~X~~			
	DUP	8/1/00 11:21	3	X	X			X		

Comments: Standard T.A.T

Relinquished by:		Received by:	
Signature	[signature]	Signature	[signature]
Print	Hector Merino	Print	Frank [illegible]
Company	IT Corp	Company	Zymax
Date	8.1.00 Time	Date	8-1-00 Time 2010

Sample integrity upon receipt:

- Samples received intact ☐
- Samples received cold ☐
- Custody seals ☐
- Correct container types ☐

Bill 3rd Party:

PO#

Quote yes no

Relinquished by:		Received by ZymaX envirotechnology inc:	
Signature		Signature	
Print		Print	
Company		Company	
Date	Time	Date	Time

ZymaX 71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

CHAIN of CUSTODY

report to: David Bero
phone: (925) 288-0896
fax: (925) 288-0888
company: I T Corp
project: Guess Telegraph #1039
address: 4105 Port Chicago Hwy, Concord Ca. 94520
project #: 1176601.03052300
sampler: Hector Merino

Turnaround Time: ASAP ☐ 48 hr ☐ 12 hr ☐ 72 hr ☐ 24 hr ☐ std ☐

ANALYSIS REQUESTED

ZymaX use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	Oil/Grease	Benz 8020									# of containers	Remarks
	MW-6	8/1/00	10:20	GW	H2SO4	X										1	
	MW-4		10:44	GW	H2SO4	X										1	
	TBLB		—	DI	HCl		X									1	

Comments T.A.T. Standard

Relinquished by:
Signature: [signature]
Print: Hector Merino
Company: I T Corp
Date: 8-1-00 Time:

Received by:
Signature: [signature]
Print: [illegible]
Company: Zymax
Date: 8/1-00 Time: 2:30

Sample integrity upon receipt:
- Samples received intact ☐
- Samples received cold ☐
- Custody seals ☐
- Correct container types ☐

Bill 3rd Party:

PO#
Quote yes no

Relinquished by:
Signature
Print
Company
Date Time

Received by ZymaX envirotechnology inc:
Signature
Print
Company
Date Time

email: zymax@ZymaXusa.com

SEARS #1039

SEARS, ROEBUCK AND CO.
1891 Telegraph Ave
Oakland, CA 94612

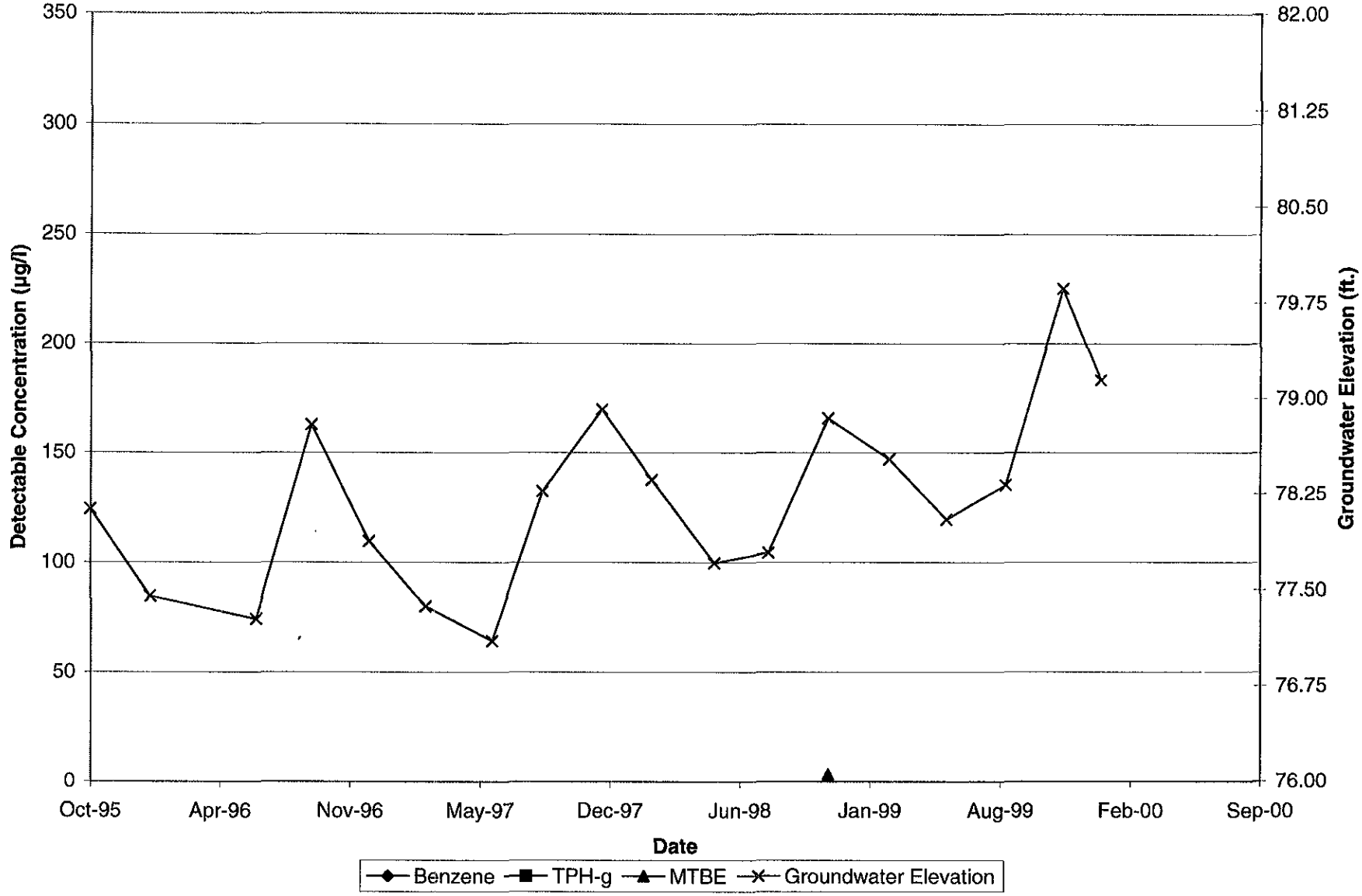
HERB McINTYRE
Store Manager

AUTO CENTER
Tel 510-628-8425
Fax 510-628-0357

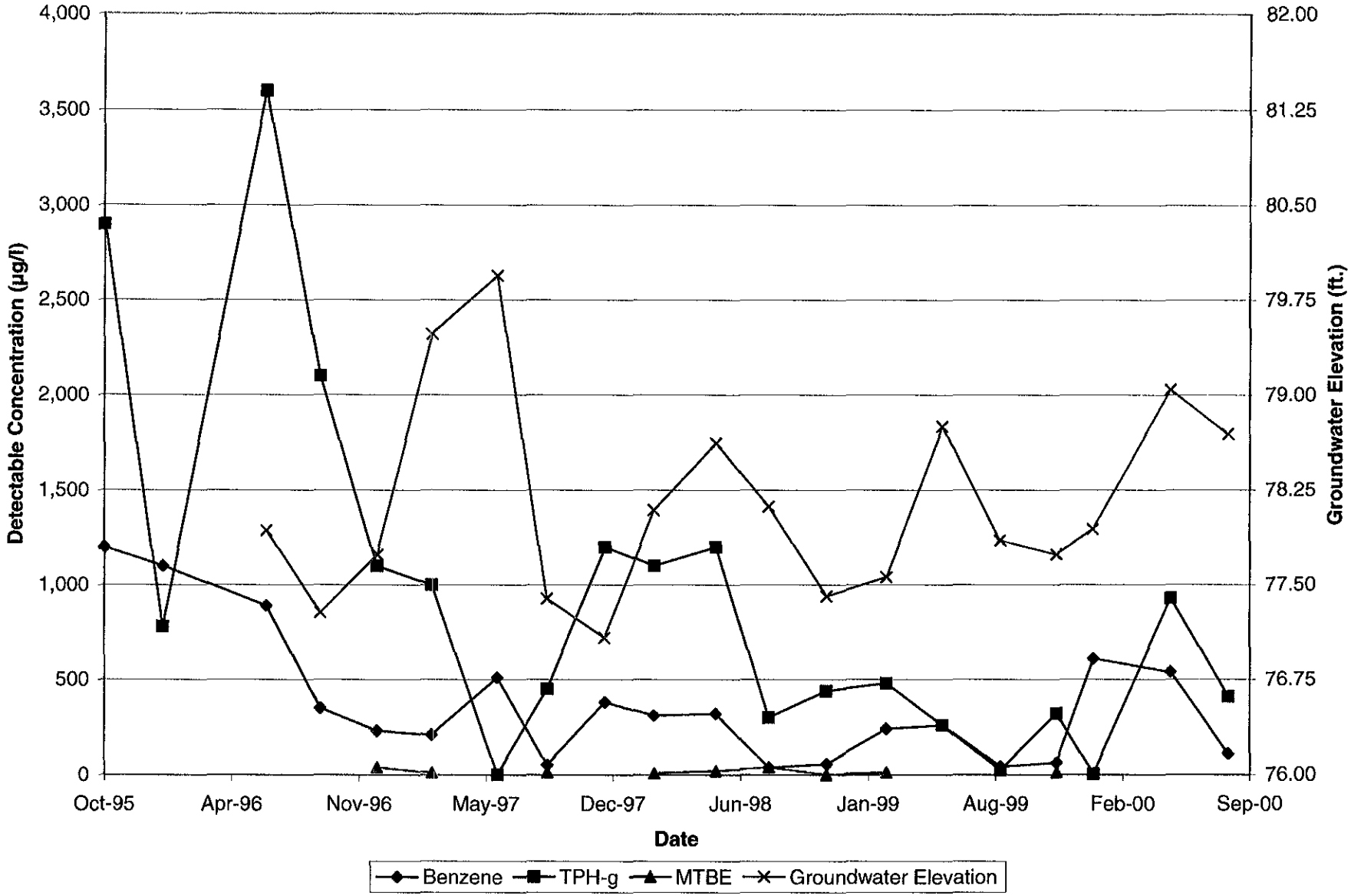
Attachment 4

Graphs

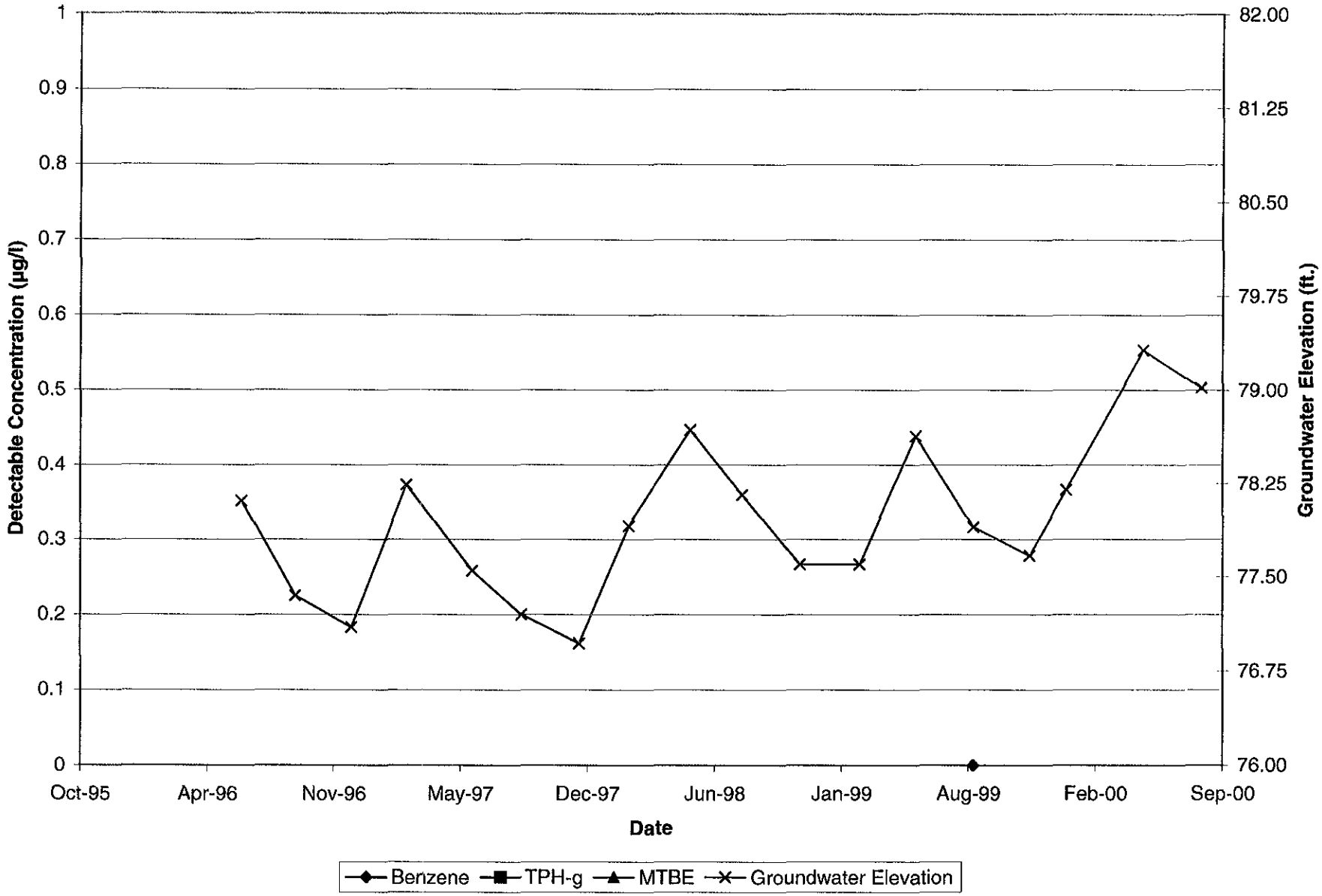
Graph 1, MW-1
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

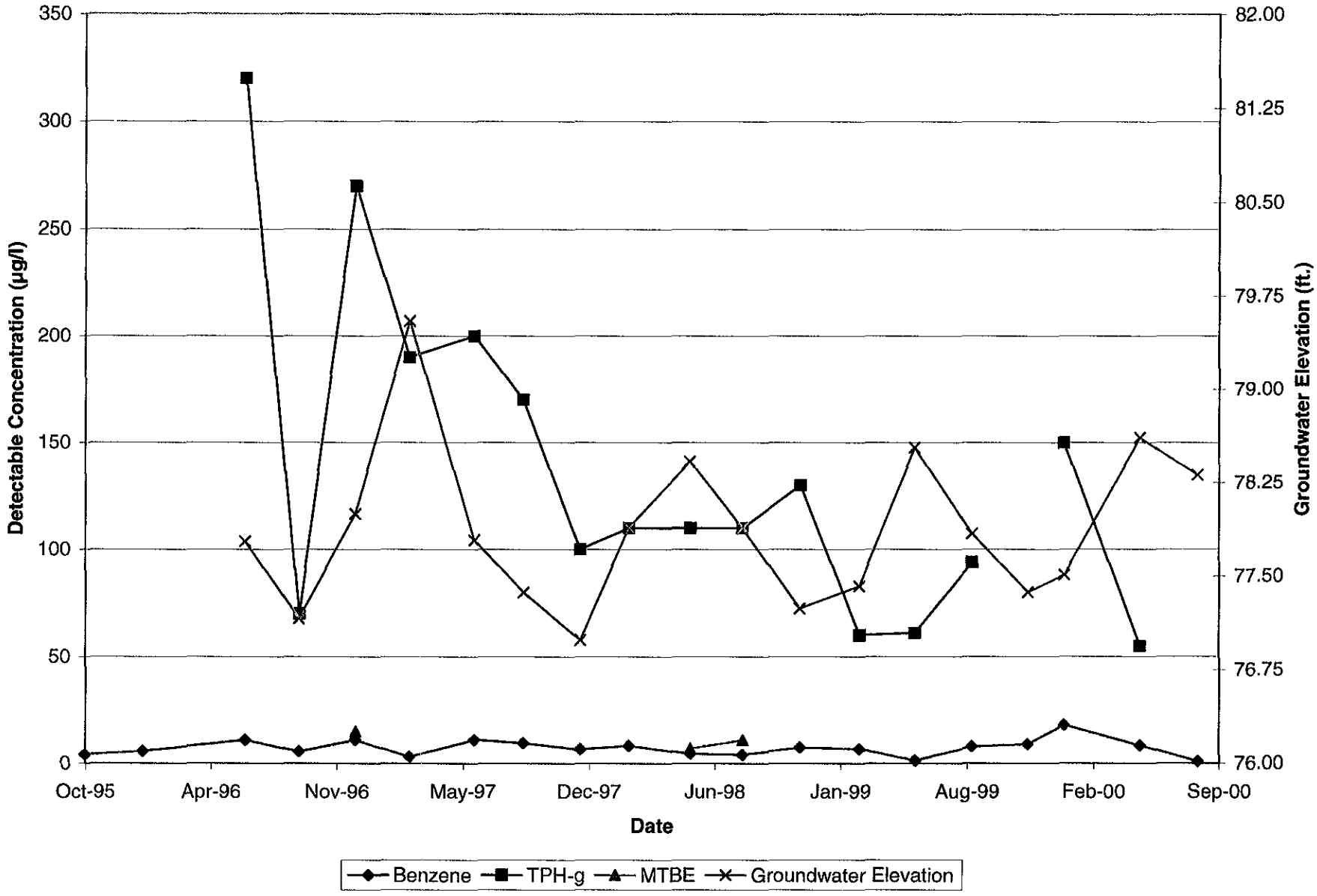


Graph 3, MW-3
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time

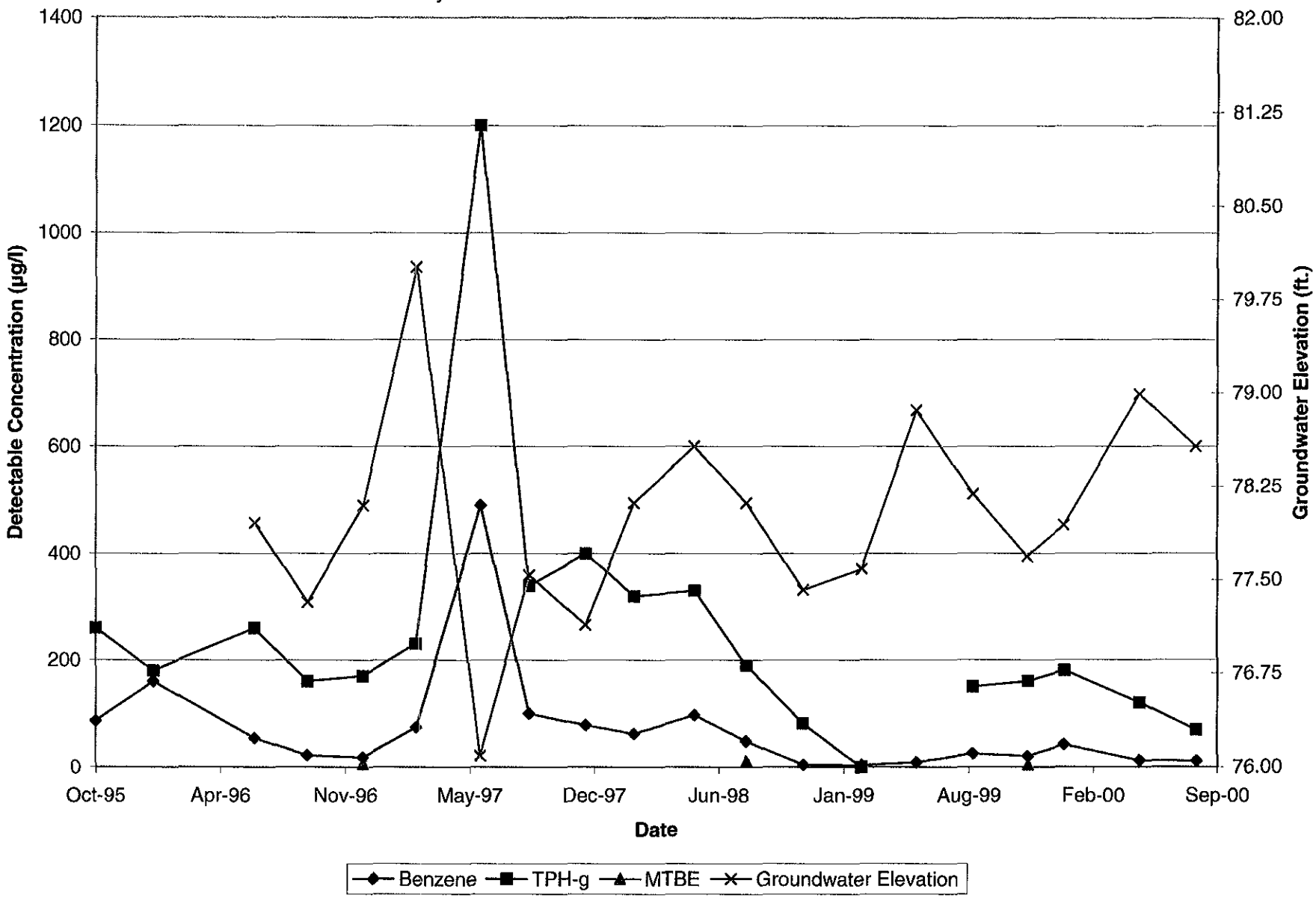


NOTE:
No detectable Benzene, TPH-g, or MTBE

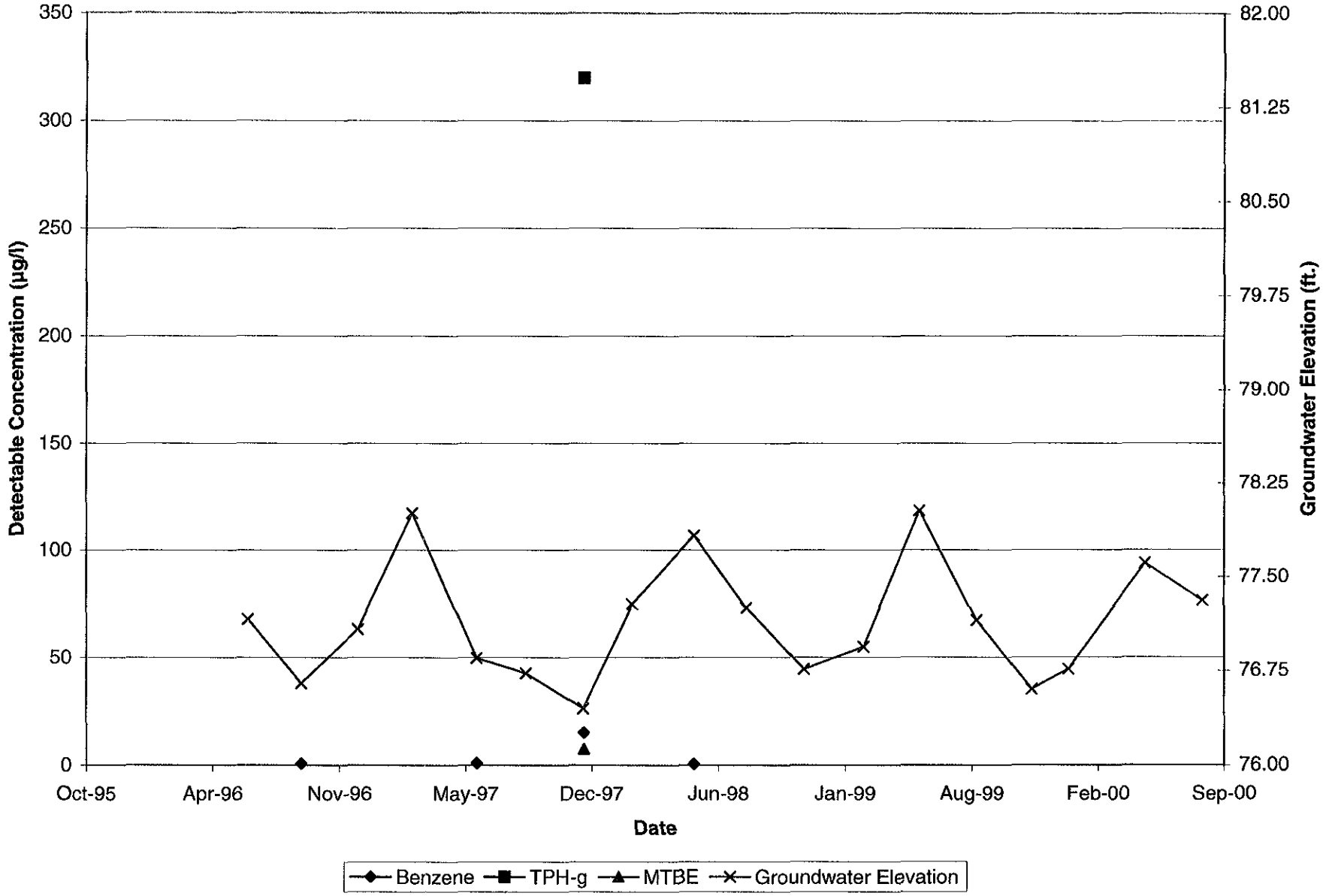
Graph 4, MW-4
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



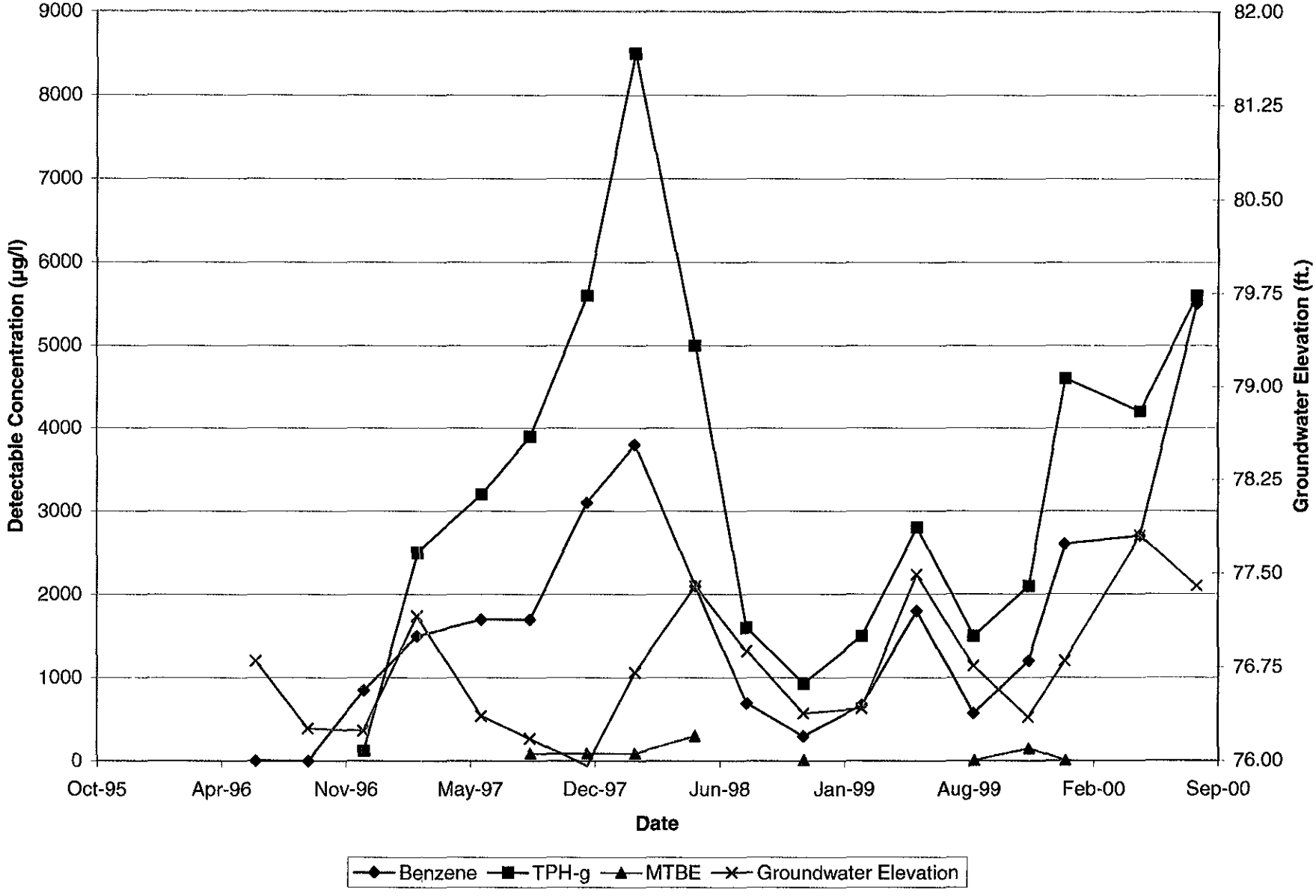
Graph 5, MW-5
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



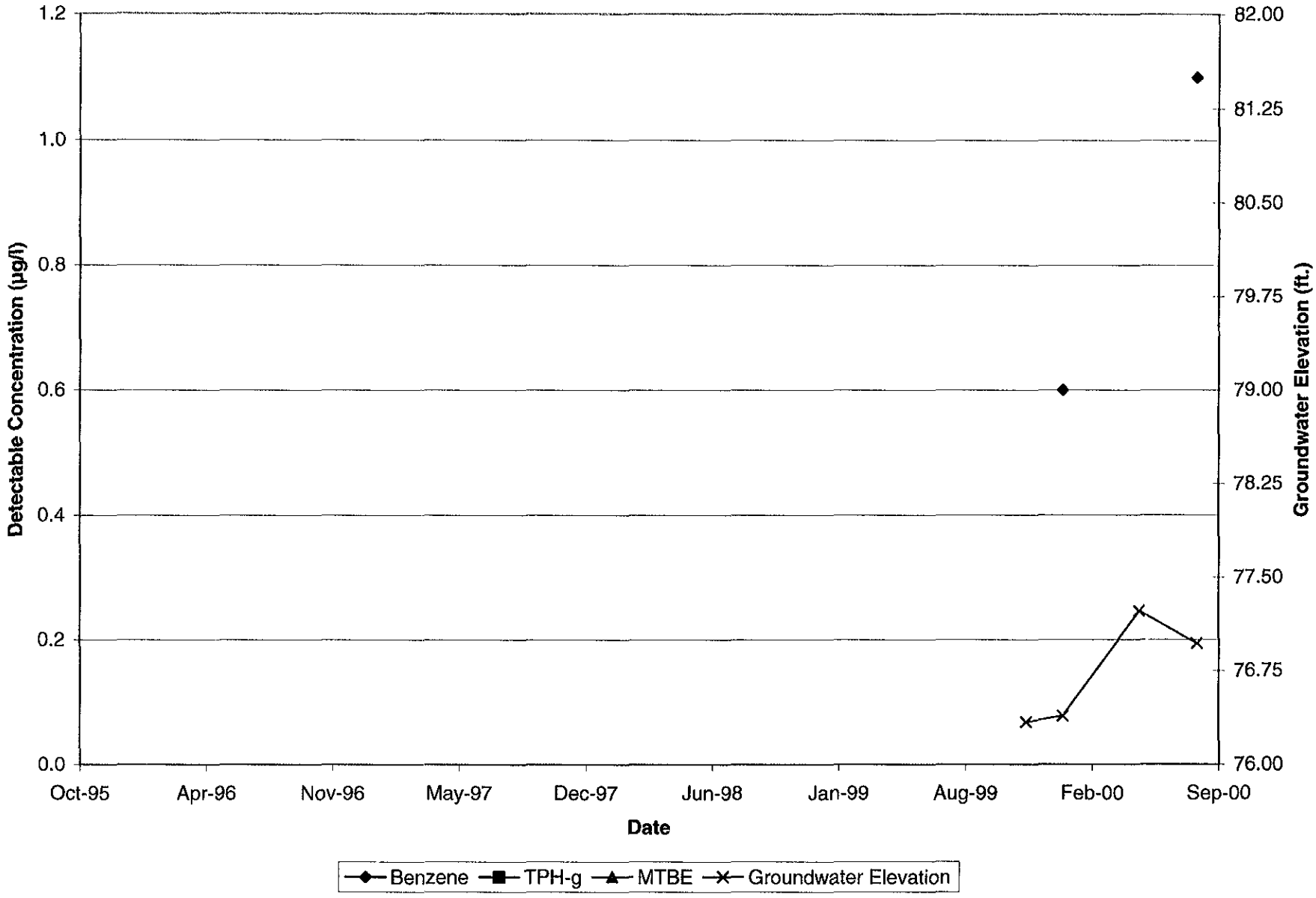
Graph 6, MW-6
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



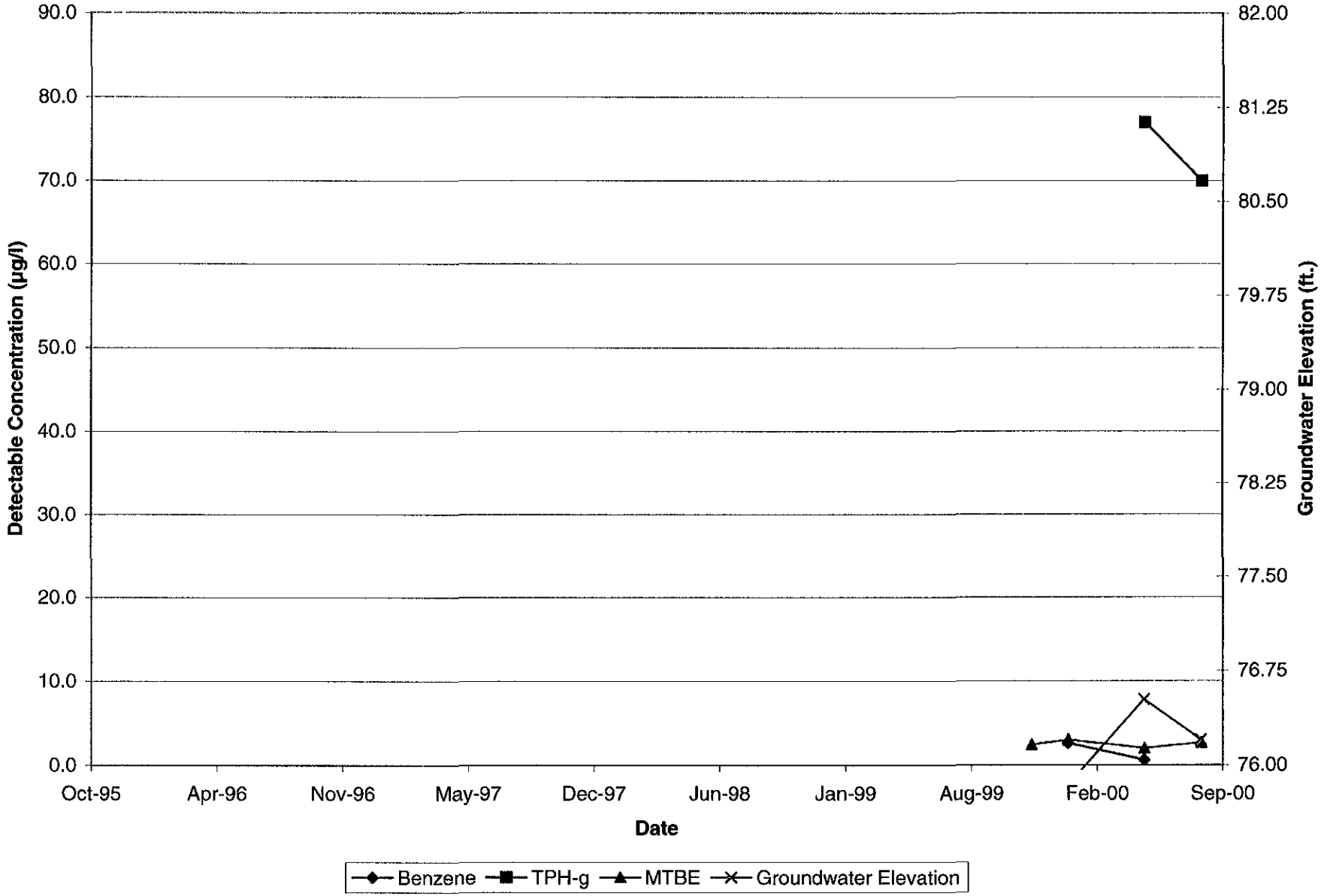
Graph 7, MW-7
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 8, MW-8
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



Graph 9, MW-9
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

ZymaX

RECEIVED 8/21/00 DB.

Client: **David Bero**
IT Corporation
4005 Port Chicago Hwy.
Concord, CA 94520

Date: August 15, 2000

Client Project: Sears Telegraph #1039 Lab Number: **20838**

CASE NARRATIVE

About one liter each of aqueous samples MW-6 and MW-4, preserved in H_2SO_4, was received at ZymaX laboratory on 8/1/00. The analysis requested was "oil and grease". The oil and grease was to be run as EPA method 413.2 in which an IR analysis is performed on the freon extractables without the application of silica gel. Both polar (fatty) and non-polar (TRPH) fractions of oil and grease would be measured.

However, the samples were inadvertently run as EPA method 418.1 in which silica gel was used. The results yielded only represent the TRPH fraction of oil and grease. There was no more sample left to rerun the analysis.

We have promptly notified The IT Group and we were instructed to report the results as 418.1 with proper method identification.

Respectfully submitted,

Michael Ng
Assistant Lab Director
ZymaX envirotechnology, Inc.

FILE

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-1
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-1
Analyzed:	08/11/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		104
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-1.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-1 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-1 Analyzed: 08/11/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	21.
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	0.5
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		104

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-1h.xls
MN/jgt/yl/pv

805.544.4696
www.ZymaXusa.com

71 Zaca Lane
San Luis Obispo CA 93401
fax 805.544.8226

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-6
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-2
Analyzed:	08/12/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	110.
Toluene	0.5	1.2
Ethylbenzene	0.5	4.8
Xylenes	0.5	1.6
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		103
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	410.
BTX as a Percent of Fuel		28

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-6.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-6 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-2 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	1.8
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	23.
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	2.9
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	ND
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	9.4
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		103

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-6h.xls
MN/jgt/yl/pv

805.544.4696
www.ZymaXusa.com

71 Zaca Lane
San Luis Obispo CA 93401
fax 805 544.8226

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520

Lab Number:	20838-2
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-3
Analyzed:	08/12/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		102
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-2.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-2 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-3 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	5.6
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	ND
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		102

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-2h.xls
MN/jgt/yl/pv

805.544.4696
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San Luis Obispo CA 9340
Fax 805.544.822

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520

Lab Number:	20838-4
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-4
Analyzed:	08/12/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	0.9
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		99
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-4.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-4 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-4 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	ND
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	ND
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		99

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-4h.xls
MN/jgt/yl/pv

805.544.4696
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-4
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-4
Analyzed:	08/09/00
Method:	EPA 418.1

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

CONSTITUENT	PQL* mg/L	RESULT** mg/L
Total Recoverable Petroleum Hydrocarbons	1.0	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

IR#1
20838-4r.xls
MN/jgt/dz/ss

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-5
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-5
Analyzed:	08/12/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	11.
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		99
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	69.
BTX as a Percent of Fuel		16

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
*PQL - Practical Quantitation Limit
**Results listed as ND would have been reported if present at or above the listed PQL.

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-5.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-5 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-5 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	ND
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	ND
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		99

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-5h.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-3
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	08/14/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		99
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-3.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-3
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	08/12/00
Method:	EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	2.3
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	0.8
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	0.9
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		99

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-3h.xls
MN/jgt/yl/pv

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520

Lab Number:	20838-3
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	08/09/00
Method:	EPA 418.1

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

CONSTITUENT	PQL* mg/L	RESULT** mg/L
Total Recoverable Petroleum Hydrocarbons	1.0	ND

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

IR#1
20838-3r.xls
MN/jgt/dz/ss

Michael Ng
Assistant Lab Director

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-9
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-7
Analyzed:	08/14/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	10.	5500.
Toluene	10.	27.
Ethylbenzene	10.	300.
Xylenes	10.	390.
Methyl-t-Butyl Ether (MTBE)	10.	ND
Percent Surrogate Recovery		98
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	1000.	5600.
BTX as a Percent of Fuel		110

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-9.xls
MN/jgt/yl/wj

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-9 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-7 Analyzed: 08/14/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	10.	ND
Bromodichloromethane	10.	ND
Bromoform	10.	ND
Bromomethane (Methyl Bromide)	10.	ND
Carbon Tetrachloride	10.	ND
Chlorobenzene	10.	ND
Chloroethane (Ethyl Chloride)	10.	ND
2-Chloroethylvinyl Ether	20.	ND
Chloroform	10.	ND
Chloromethane (Methyl Chloride)	10.	ND
Dibromochloromethane	10.	ND
Dibromomethane	10.	ND
1,2-Dichlorobenzene	10.	ND
1,3-Dichlorobenzene	10.	ND
1,4-Dichlorobenzene	10.	ND
Dichlorodifluoromethane	10.	ND
1,1-Dichloroethane	10.	ND
1,2-Dichloroethane (EDC)	10.	85.
1,1-Dichloroethene	10.	ND
cis-1,2-Dichloroethene	10.	ND
trans-1,2-Dichloroethene	10.	ND
1,2-Dichloropropane	10.	ND
cis-1,3-Dichloropropene	10.	ND
trans-1,3-Dichloropropene	10.	ND
Methylene Chloride	10.	ND
1,1,1,2-Tetrachloroethane	10.	ND
1,1,2,2-Tetrachloroethane	10.	ND
Tetrachloroethene (PCE)	10.	ND
1,1,1-Trichloroethane (TCA)	10.	ND
1,1,2-Trichloroethane	10.	ND
Trichloroethene (TCE)	10.	ND
Trichlorofluoromethane (freon 11)	10.	ND
1,2,3-Trichloropropane	10.	ND
Vinyl Chloride	10.	ND
Percent Surrogate Recovery		98

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-9h.xls
MN/jgt/yl/wj

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-7
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	MW-8
Analyzed:	08/12/00
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		96
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	ND
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-7.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-7 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-8 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	ND
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	5.6
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	ND
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		96

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-7h.xls
MN/jgt/yl/pv

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: Collected: Received: Matrix:	20838-8 08/01/00 08/04/00 Aqueous
Project: Project Number: Collected by:	Sears Telegraph #1039 1176601.03054300 Hector Merino	Sample Description: Analyzed: Method:	MW-9 08/12/00 See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	2.7
Percent Surrogate Recovery		99
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	70.
BTX as a Percent of Fuel		N/A

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***PQL - Practical Quantitation Limit**
****Results listed as ND would have been reported if present at or above the listed PQL.**

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.
Note: MTBE not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-8.xls
MN/jgt/yl/pv

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520	Lab Number: 20838-8 Collected: 08/01/00 Received: 08/04/00 Matrix: Aqueous
Project: Sears Telegraph #1039 Project Number: 1176601.03054300 Collected by: Hector Merino	Sample Description: MW-9 Analyzed: 08/12/00 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	0.5	ND
Bromodichloromethane	0.5	ND
Bromoform	0.5	ND
Bromomethane (Methyl Bromide)	0.5	ND
Carbon Tetrachloride	0.5	ND
Chlorobenzene	0.5	ND
Chloroethane (Ethyl Chloride)	0.5	ND
2-Chloroethylvinyl Ether	1.0	ND
Chloroform	0.5	ND
Chloromethane (Methyl Chloride)	0.5	ND
Dibromochloromethane	0.5	ND
Dibromomethane	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Dichlorodifluoromethane	0.5	ND
1,1-Dichloroethane	0.5	ND
1,2-Dichloroethane (EDC)	0.5	37.
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	0.7
trans-1,2-Dichloroethene	0.5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
Methylene Chloride	0.5	ND
1,1,1,2-Tetrachloroethane	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
Tetrachloroethene (PCE)	0.5	41.
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	19.
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		99

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

MSD #2
20838-8h.xls
MN/jgt/yl/pv

Michael Ng
Assistant Lab Director

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero IT Corporation 4005 Port Chicago Hwy. Concord, CA 94520

Lab Number:	20838-10
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	DUP
Analyzed:	08/12/00
Method:	EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	94.
Toluene	0.5	1.0
Ethylbenzene	0.5	4.2
Xylenes	0.5	1.5
Percent Surrogate Recovery		105

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

*PQL - Practical Quantitation Limit

**Results listed as ND would have been reported if present at or above the listed PQL.

Submitted by,
ZymaX envirotechnology, inc.

MSD #2
20838-10.xls
MN/jgt/yl/pv

Michael Ng
Assistant Lab Director

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	David Bero
	IT Corporation
	4005 Port Chicago Hwy.
	Concord, CA 94520

Lab Number:	20838-11
Collected:	08/01/00
Received:	08/04/00
Matrix:	Aqueous

Project:	Sears Telegraph #1039
Project Number:	1176601.03054300
Collected by:	Hector Merino

Sample Description:	TBLB
Analyzed:	08/12/00
Method:	EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Percent Surrogate Recovery		103

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717

***PQL - Practical Quantitation Limit**

****Results listed as ND would have been reported if present at or above the listed PQL.**

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #2
20838-11.xls
MN/jgt/yl/pv

ZymaX

71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

CHAIN of CUSTODY

report to	David Bero
phone	(925) 288-9898
fax	925/288-0888
company	IT Corp
project	Sears Telegraph #1039
address	4005 Port Chicago Hwy Concord Ca. 94520
project #	117660.03054300
sampler	Hector Marino

ANALYSIS REQUESTED

Turnaround Time: ASAP [ ] 48 hr [ ] 12 hr [ ] 72 hr [ ] 24 hr [ ] std [ ]

ZymaX use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	Analysis 1	Analysis 2	Analysis 3	# of containers	Remarks
20838-1	MW-1	8/1/00 9:50	2	GW	HCl	X	X			
-2	MW-3	10:10	2			X	X			
-3	MW-6	10:29	2			X	X			
-4	MW-4	10:44	2			X	X			
-5	MW-5	11:04	2			X	X			
-6	MW-2	11:21	2			X	X			
-7	MW-8	11:34	2			X	X			
-8	MW-9	11:58	2			X	X			
-9	MW-7	12:19	2			X	X			
	~~MW-6~~					X	X			
-10	DUP	8/1/00 11:21	3	X	X			X		

Comments: Standard TAT

Relinquished by:
Signature [signature]
Print Hector Marino
Company IT Corp
Date 8-1-00 Time

Received by:
Signature [signature]
Print [illegible]
Company ZymaX
Date 8-4-00 Time

Sample integrity upon receipt:
- Samples received intact [ ]
- Samples received cold [ ]
- Custody seals [ ]
- Correct container types [ ]

Bill 3rd Party:

PO# ____
Quote yes no

Relinquished by:
Signature ____
Print ____
Company ____
Date ____ Time ____

Received by ZymaX envirotechnology inc:
Signature ____
Print ____
Company ____
Date ____ Time ____

email: zymax@ZymaXusa.com

ZymaX 71 Zaca Lane San Luis Obispo CA 93401 tel 805.544.4696 fax 805.544.8226

CHAIN of CUSTODY

report to: David Berco
phone: (925) 288-9898
fax: (925) 288-0888
company: IT Corp
project: Sears Telegraph JT1039
address: 4005 Port Chicago Hwy, Concord Ca. 94520
project #: 776601.03052300
sampler: Hector Mesino

ANALYSIS REQUESTED: Oil/Grease; Hex 8020

Turnaround Time: ASAP ☐ 48 hr ☐ 12 hr ☐ 72 hr ☐ 24 hr ☐ std ☐

ZymaX use only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	Oil/Grease	Hex 8020									# of containers	Remarks
20838-3	MW-6	8/1/00	10.29	GW	H2SO4	X										1	
-4	MW-4		1024	GW	H2SO4	X										1	
-11	TBLB		—	DI	HCl		X									1	

Comments: T.A.T Standard

Relinquished by:
Signature: [signature]
Print: Hector Mesino
Company: IT Corp
Date: 8-1-00 Time: ______

Received by:
Signature: [signature]
Print: [illegible]
Company: ZymaX
Date: 8/1/00 Time: ______

Sample integrity upon receipt:
Samples received intact ☐
Samples received cold ☐
Custody seals ☐
Correct container types ☐

Bill 3rd Party:

PO# ______
Quote yes no

Relinquished by:
Signature ______
Print ______
Company ______
Date ______ Time ______

Received by ZymaX envirotechnology inc:
Signature ______
Print ______
Company ______
Date ______ Time ______

email: zymax@ZymaXusa.com