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A Member of The IT Group

June 8, 2001

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

JUN 2 0 2001

Subject: First Quarter 2001, 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 February 16, 2001. 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 first quarter 2001 ranged from 76.23 to 78.89 feet above mean sea level (approximately 15 to 18 feet below top of casing). Groundwater elevations have increased by about 0.2 foot since the previous quarter (November 6, 2000). The apparent groundwater flow is to the east at an average hydraulic gradient of 0.01 foot per foot, and is similar to previous quarterly data.

Results of quarterly sampling indicated detectable concentrations of dissolved petroleum hydrocarbons in monitoring wells MW-2, MW-4, MW-5, MW-7, and MW-9, with the highest concentrations of TPH-g and benzene in MW-7. MTBE was detected in samples collected from two wells, MW-7 and MW-9, at concentrations of 3.1 and 3.4 micrograms per liter, respectively. All monitoring wells except MW-4 and MW-5 contained detectable concentrations of various halogenated volatile organics, such as

1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene, tetrachloroethene (PCE), and trichloroethene (TCE). These compounds, except possibly 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. 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 1993. 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., R.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

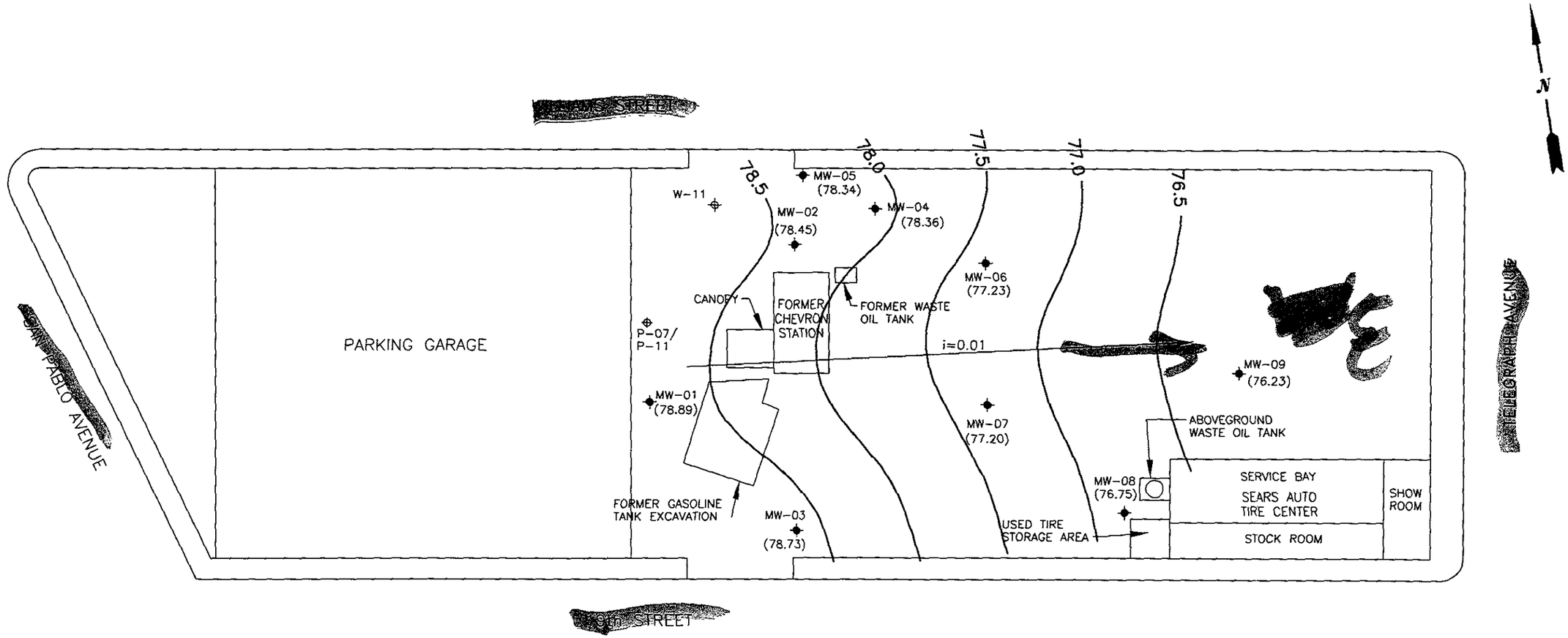
Attachments:

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



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)

0 FEET 50
SCALE

SEARS, ROEBUCK & CO.
SITE NO. 1039

FIGURE-1
POTENTIOMETRIC SURFACE MAP
(GAUGED 2/16/2001)
1901-1911 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	CONCORD	SCHAEFFER	3/14/01		823289-B1

FORMAT REVISION 2/26/99

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
823289-B2			SCHAEFFER 3/14/01

IMAGE	X-REF	OFFICE
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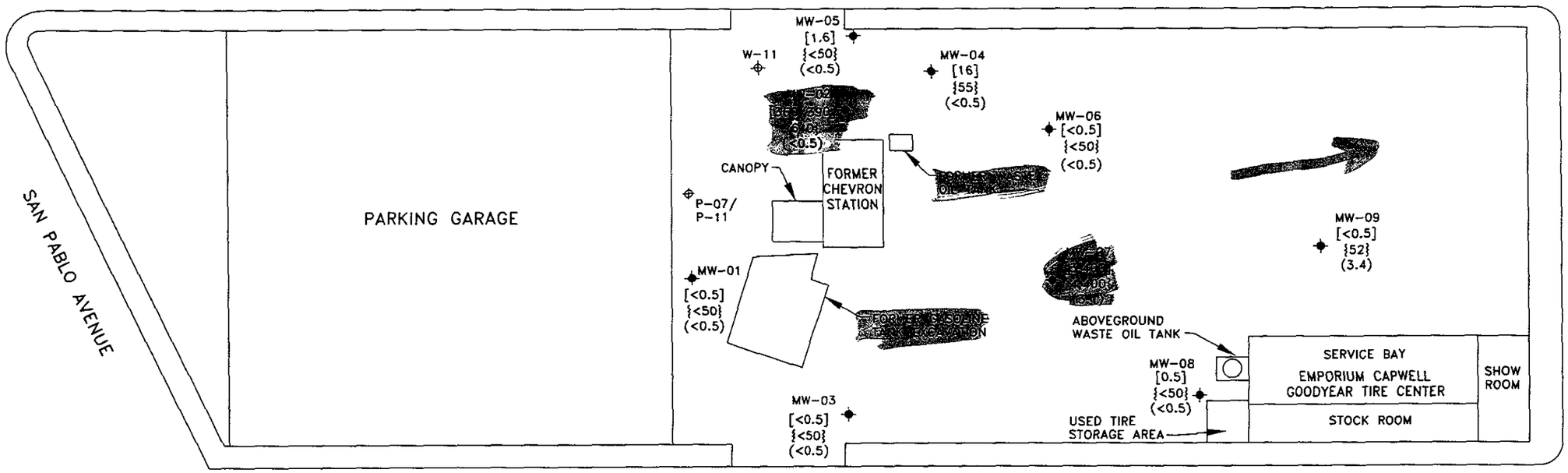

LEGEND

- MONITORING WELL
- SOIL PROBE
- [ ] BENZENE CONCENTRATION [ug/L]
- { } TPH AS GASOLINE CONCENTRATIONS {ug/L}
- ( ) 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 FEBRUARY 16, 2001)
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	06/12/1996	16.21	–	–	78.13
		09/05/1996	16.89	–	–	77.45
		12/03/1996	17.07	–	–	77.27
		02/27/1997	15.55	–	–	78.79
		06/10/1997	16.46	–	–	77.88
		08/27/1997	16.97	–	–	77.37
		11/26/1997	17.24	–	–	77.10
		02/11/1998	16.07	–	–	78.27
		05/19/1998	15.43	–	–	78.91
		08/10/1998	15.98	–	–	78.36
		11/09/1998	16.63	–	–	77.71
		02/11/1999	16.55	–	–	77.79
		05/10/1999	15.50	–	–	78.84
		08/09/1999	15.82	–	–	78.52
		11/05/1999	16.29	–	–	78.05
		02/01/2000	16.02	–	–	78.32
		05/02/2000	14.48	–	–	79.86
		08/01/2000	15.20	–	–	79.14
		11/06/2000	15.63	–	–	78.71
		02/16/2001	15.45	–	–	78.89
MW-2	93.95	06/12/1996	16.01	–	–	77.94
		09/05/1996	16.66	–	–	77.29
		12/03/1996	16.20	–	–	77.75
		02/27/1997	14.46	–	–	79.49
		06/10/1997	14.00	–	–	79.95
		08/27/1997	16.55	–	–	77.40
		11/26/1997	16.86	–	–	77.09
		02/11/1998	15.85	–	–	78.10
		05/19/1998	15.32	–	–	78.63
		08/10/1998	15.82	–	–	78.13
		11/09/1998	16.53	–	–	77.42
		02/11/1999	16.38	–	–	77.57
		05/10/1999	15.19	–	–	78.76
		08/09/1999	16.09	–	–	77.86
		11/05/1999	16.20	–	–	77.75
		02/01/2000	16.00	–	–	77.95
		05/02/2000	14.90	–	–	79.05
		08/01/2000	15.25	–	–	78.70
		11/06/2000	15.45	–	–	78.50
		02/16/2001	15.50	–	–	78.45
MW-3	96.15	06/12/1996	17.56	–	–	78.59
		09/05/1996	18.32	–	–	77.83
		12/03/1996	18.57	–	–	77.58
		02/27/1997	17.43	–	–	78.72
		06/10/1997	18.12	–	–	78.03
		08/27/1997	18.47	–	–	77.68
		11/26/1997	18.70	–	–	77.45
		02/11/1998	17.76	–	–	78.39
		05/19/1998	16.99	–	–	79.16
		08/10/1998	17.51	–	–	78.64

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MW-3 cont.		11/09/1998	18.07	–	–	78.08
		02/11/1999	18.07	–	–	78.08
		05/10/1999	17.04	–	–	79.11
		08/09/1999	17.77	–	–	78.38
		11/05/1999	18.00	–	–	78.15
		02/01/2000	17.95	–	–	78.20
		05/02/2000	16.83	–	–	79.32
		08/01/2000	17.13	–	–	79.02
		11/06/2000	17.54	–	–	78.61
		02/16/2001	17.42	–	–	78.73
MW-4	92.01	06/12/1996	14.21	–	–	77.80
		09/05/1996	14.83	–	–	77.18
		12/03/1996	13.99	–	–	78.02
		02/27/1997	12.44	–	–	79.57
		06/10/1997	14.20	–	–	77.81
		08/27/1997	14.62	–	–	77.39
		11/26/1997	15.00	–	–	77.01
		02/11/1998	14.10	–	–	77.91
		05/19/1998	13.57	–	–	78.44
		08/10/1998	14.10	–	–	77.91
		11/09/1998	14.75	–	–	77.26
		02/11/1999	14.57	–	–	77.44
		05/10/1999	13.46	–	–	78.55
		08/09/1999	14.15	–	–	77.86
		11/05/1999	14.62	–	–	77.39
		02/01/2000	14.50	–	–	77.51
		05/02/2000	13.40	–	–	78.61
		08/01/2000	13.70	–	–	78.31
		11/06/2000	14.00	–	–	78.01
		02/16/2001	13.65	–	–	78.36
MW-5	92.09	06/12/1996	14.13	–	–	77.96
		09/05/1996	14.77	–	–	77.32
		12/03/1996	13.99	–	–	78.10
		02/27/1997	12.08	–	–	80.01
		06/10/1997	16.00	–	–	76.09
		08/27/1997	14.55	–	–	77.54
		11/26/1997	14.95	–	–	77.14
		02/11/1998	13.97	–	–	78.12
		05/19/1998	13.52	–	–	78.57
		08/10/1998	13.97	–	–	78.12
		11/09/1998	14.67	–	–	77.42
		02/11/1999	14.50	–	–	77.59
		05/10/1999	13.23	–	–	78.86
		08/09/1999	13.90	–	–	78.19
		11/05/1999	14.40	–	–	77.69
		02/01/2000	14.15	–	–	77.94
		05/02/2000	13.10	–	–	78.99
		08/01/2000	13.52	–	–	78.57
		11/06/2000	13.93	–	–	78.16
		02/16/2001	13.75	–	–	78.34
MW-6	92.16	06/12/1996	14.99	–	–	77.17
		09/05/1996	15.50	–	–	76.66
		12/03/1996	15.07	–	–	77.09

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MW-6 cont.		02/27/1997	14.14	–	–	78.02
		06/10/1997	15.30	–	–	76.86
		08/27/1997	15.42	–	–	76.74
		11/26/1997	15.70	–	–	76.46
		02/11/1998	14.87	–	–	77.29
		05/19/1998	14.32	–	–	77.84
		08/10/1998	14.90	–	–	77.26
		11/09/1998	15.39	–	–	76.77
		02/11/1999	15.21	–	–	76.95
		05/10/1999	14.12	–	–	78.04
		08/09/1999	15.00	–	–	77.16
		11/05/1999	15.55	–	–	76.61
		02/01/2000	15.40	–	–	76.76
		05/02/2000	14.55	–	–	77.61
		08/01/2000	14.85	–	–	77.31
		11/06/2000	15.10	–	–	77.06
		02/16/2001	14.93	–	–	77.23
MW-7	93.80	06/12/1996	16.56	–	–	77.24
		09/05/1996	17.10	–	–	76.70
		12/03/1996	17.12	–	–	76.68
		02/27/1997	16.20	–	–	77.60
		06/10/1997	17.00	–	–	76.80
		08/27/1997	17.18	–	–	76.62
		11/26/1997	17.40	–	–	76.40
		02/11/1998	16.65	–	–	77.15
		05/19/1998	15.96	–	–	77.84
		08/10/1998	16.48	–	–	77.32
		11/09/1998	16.98	–	–	76.82
		02/11/1999	16.94	–	–	76.86
		05/10/1999	15.87	–	–	77.93
		08/09/1999	16.60	–	–	77.20
		11/05/1999	17.01	–	–	76.79
		02/01/2000	17.00	–	–	76.80
		05/02/2000	16.00	-	-	77.80
		08/01/2000	16.40	-	-	77.40
		11/06/2000	16.67	-	-	77.13
		02/16/2001	16.60	-	-	77.20
MW-8	94.49	11/05/1999	18.15	–	–	76.34
		02/01/2000	18.10	–	–	76.39
		05/02/2000	17.26	–	–	77.23
		08/01/2000	17.52	–	–	76.97
		11/06/2000	17.83	–	–	76.66
		02/16/2001	17.74	–	–	76.75
MW-9	92.54	11/05/1999	16.86	–	–	75.68
		02/01/2000	16.70	–	–	75.84
		05/02/2000	16.02	–	–	76.52
		08/01/2000	16.34	–	–	76.20
		11/06/2000	16.55	–	–	75.99
		02/16/2001	16.31	–	–	76.23

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	10/01/1995	–	ND	ND	ND	ND	<50	9.9	ND	ND	–	–	–
	01/01/1996	–	ND	ND	ND	ND	<50	9.9	14	ND	–	–	–
	06/12/1996	–	<0.5	1.4	<0.5	<2	<50	12	<0.5	<0.5	–	–	–
	09/05/1996	<5.0	<0.5	<0.5	<0.5	<2	<50	12	<0.5	<0.5	–	–	–
	12/03/1996	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/27/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	31	1.3	<0.5	<0.5	<0.5	–
	06/10/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	19	<0.5	<0.5	<0.5	<0.5	–
	08/27/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	16	<0.5	<0.5	<0.5	<0.5	–
	11/26/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	17	<0.5	<0.5	<0.5	<0.5	–
	02/11/1998	<5.0	<0.5	<0.5	<0.5	<3	<50	20	<0.5	<0.5	<0.5	<0.5	–
	05/19/1998	<5.0	<0.5	<0.5	<0.5	<4	<50	14	<0.5	<0.5	<0.5	<0.5	–
	08/10/1998	<2.5	<0.5	<0.5	<0.5	<5	<50	14	<0.5	<0.5	<0.5	<0.5	–
	11/09/1998	3.1	<0.5	<0.5	<0.5	<0.5	<50	16	<0.5	<0.5	<0.5	<0.5	–
	02/08/1999	<2.5	<0.5	<0.5	<0.5	<5	<50	<0.5	20	<0.5	<0.5	<0.5	–
	05/10/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	14	<0.5	<0.5	<0.5	<0.5	–
	08/09/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	14	<0.5	<0.5	<0.5	<0.5	–
	11/05/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	20	<0.5	<0.5	<0.5	<0.5	–
	02/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	24	<0.5	<0.5	<0.5	<0.5	–
	05/02/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	23	<0.5	<0.5	<0.5	<0.5	–
	08/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	21	0.5	<0.5	<0.5	<0.5	–
	11/06/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	31	<0.5	<0.5	<0.5	<0.5	–
	02/16/2001	<0.5	<0.5	<0.5	<0.5	<0.5	<50	32	0.7	<0.5	<0.5	<0.5	–
MW-2	10/01/1995	–	1,200	5.4	41	5.9	2,900	ND	40	280	–	–	–
	01/01/1996	–	1,100	11.0	100	6.9	780	ND	38	270	–	–	–
	06/12/1996	–	890	7.0	56	10	3,600	<3	40	160	–	–	–
	09/05/1996	<5.0	350	3.0	17	10	2,100	<0.5	29	55	1.9	55	–
	12/03/1996	40	230	2.4	7.8	7	1,100	<0.5	20	86	7	<0.5	–
	02/27/1997	12	210	2.2	6	3	1,000	1	25	43	<0.5	<0.5	–
	06/10/1997	<30	510	3.0	6	<10	1.8	1	19	47	4.9	<0.5	–
	08/27/1997	11	51	<0.5	1.4	<2	450	0.5	16	29	4.2	<0.5	–
	11/26/1997	<30	380	5.0	9	12	1,200	1	13	29	3.1	<0.5	–
	02/11/1998	8	310	4.0	9.8	9	1,100	<0.5	16	<0.5	2.6	0.6	–
	05/19/1998	20	320	2.1	9.9	8	1,200	1	14	47	1.6	<0.5	–
	08/10/1998	40	37	1.0	1.2	0.9	300	<0.5	11	30	2.4	<0.5	–
	11/09/1998	<2.5	57	<0.5	1.7	<0.5	440	<0.5	12	25	2.3	<0.5	–
	02/08/1999	11	240	2.3	8.9	5	480	<0.5	11	36	1.4	<0.5	–
	05/10/1999	24/<2.0	260	2.2	7.9	4.2	260	<0.5	7	24	3.4	<0.5	–
	08/09/1999	14/<2.0	43	0.79	0.54	<0.5	250	<0.5	11	33	2.6	<0.5	–
	11/05/1999	11/<2.0	63	0.68	0.65	1.1	320	<0.5	13	41	1.3	<0.5	–
	02/01/2000	<0.5	610/ 590*	4.4/ 6.3*	63/ 65*	5.9/ 7.1*	1200	<0.5	15	73	2	<0.5	–
	05/02/2000	<0.5	540/600*	3.7/<5.0*	15/14*	14/11*	930	<0.5	8.4	32	4.5	<0.5	–
	08/01/2000	<0.5	110	1.2	4.8	1.6	410	<0.5	9.4	23	2.9	<0.5	–
	11/06/2000	20	150/130*	.09/.09*	4.1/3.7*	1.1/1.0*	450	<0.5	10	20	1.6	<0.5	–
	02/16/2001	<0.5	360/390*	4.4/4.1*	19/17*	8.6/8.1*	640	<0.5	11	19	2.5	<0.5	–
MW-3	10/01/1995	–	ND		ND	ND	<50	ND	ND	ND	–	–	–
	01/01/1996	–	ND	ND	ND	ND	ND	ND	ND	ND	–	–	–
	06/12/1996	–	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	–	–	<0.5
	09/05/1996	<5.0	<0.5	<0.5	<0.5	<2	<50	<0.5	<0.5	<0.5	–	–	<0.5
	12/03/1996	<5.0	<0.5	<0.5	<0.5	<2	<50	2.3	<0.5	<0.5	<0.5	<0.5	–
	02/27/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	6.3	<0.5	<0.5	<0.5	<0.5	–
	06/10/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	5.9	<0.5	<0.5	<0.5	<0.5	–
	08/27/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	5.8	<0.5	<0.5	<0.5	<0.5	–
	11/26/1997	<5.0	<0.5	<0.5	<0.5	<2	<50	7.9	<0.5	<0.5	<0.5	<0.5	–
	02/11/1998	<5.0	<0.5	<0.5	<0.5	<2	<50	7.9	<0.5	<0.5	<0.5	<0.5	–
	05/19/1998	<5.0	<0.5	<0.5	<0.5	<2	<50	5.5	<0.5	<0.5	<0.5	<0.5	–
	08/10/1998	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	–
	11/09/1998	<2.5	<0.5	<0.5	<0.5	<0.5	<50	5.5	<0.5	<0.5	<0.5	<0.5	–
	02/08/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	6.4	<0.5	<0.5	<0.5	<0.5	–
	05/10/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	5.1	<0.5	<0.5	<0.5	<0.5	–
	08/09/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	4.8	<0.5	<0.5	<0.5	<0.5	–
	11/05/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	7.2	<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-3	02/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	6.9	<0.5	<0.5	<0.5	<0.5	–
(cont'd)	05/02/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	6.4	<0.5	<0.5	<0.5	<0.5	–
	08/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	5.6	<0.5	<0.5	<0.5	<0.5	–
	11/06/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	7.9	<0.5	<0.5	<0.5	<0.5	–
	02/16/2001	<0.5	<0.5	<0.5	<0.5	<0.5	<50	8.9	<0.5	<0.5	<0.5	<0.5	–
MW-4	10/01/1995	–	4.1	ND	ND	ND	<50	ND	ND	ND	–	–	–
	01/01/1996	–	5.8	ND	ND	ND	<50	ND	ND	ND	–	–	–
	06/12/1996	–	11	<0.5	<0.5	<2	320	<0.5	<0.5	<0.5	–	–	<0.5
	09/05/1996	–	5.6	<0.5	<0.5	<2	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/1996	15	11	<0.5	<0.5	<2	270	<0.5	<0.5	0.9	<0.5	<0.5	<0.5
	02/27/1997	<5.0	3.1	<0.5	<0.5	<2	190	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	06/10/1997	<5.0	11	<0.5	<0.5	<2	200	<0.5	<0.5	<0.5	<0.5	<0.5	–
	08/27/1997	<5.0	9.6	<0.5	<0.5	<2	170	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/26/1997	<5.0	6.7	<0.5	<0.5	<2	100	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	02/11/1998	<5.0	8.4	<0.5	<0.5	<2	110	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	05/19/1998	7	4.6	<0.5	<0.5	<2	110	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	08/10/1998	11	4.1	<0.5	<0.5	<0.5	110	<0.5	<0.5	<0.5	<0.5	<0.5	9,600
	11/09/1998	<2.5	7.5	<0.5	<0.5	<0.5	130	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	02/08/1999	<2.5	6.8	<0.5	<0.5	<0.5	60	<0.5	<0.5	<0.5	<0.5	<0.5	<500
	05/10/1999	<2.0	1.3	<0.5	<0.5	<0.5	61	<0.5	<0.5	<0.5	<0.5	<0.5	<5000
	08/09/1999	3.9/<2.0*	7.9	<0.5	<0.5	<0.5	94	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	11/05/1999	<2.5	9.0	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/01/2000	<0.5	18	<0.5	<0.5	<0.5	150	<0.5	<0.5	<0.5	<0.5	<0.5	800
	05/02/2000	<0.5	8.5	<0.5	<0.5	<0.5	55	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	08/01/2000	<0.5	0.9	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	11/06/2000	<0.5	22	<0.5	<0.5	<0.5	88	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
	02/16/2001	<0.5	16	<0.5	<0.5	<0.5	55	<0.5	<0.5	<0.5	<0.5	<0.5	<1000
MW-5	10/01/1995	–	86	ND	ND	ND	260	ND	ND	ND	–	–	–
	01/01/1996	–	160	3.6	ND	ND	180	ND	ND	ND	–	–	–
	06/12/1996	–	54	1.1	<0.5	<2	260	<0.5	<0.5	<0.5	–	–	–
	09/05/1996	<5.0	22	1.0	<0.5	<2	160	<0.5	<0.5	<0.5	–	–	–
	12/03/1996	6	18	0.6	<0.5	<2	170	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/27/1997	<5	74	2.0	<0.5	<2	230	<0.5	<0.5	<0.5	<0.5	<0.5	–
	06/10/1997	<30	490	19.0	<3.0	<10	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	–
	08/27/1997	<5.0	100	4.6	<0.5	<2	340	<0.5	<0.5	<0.5	<0.5	<0.5	–
	11/26/1997	<5.0	78	4.5	0.6	<2	400	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/11/1998	<5.0	62	2.9	<0.5	<2	320	<0.5	<0.5	<0.5	<0.5	<0.5	–
	05/19/1998	<5.0	97	2.6	<0.5	<2	330	<0.5	<0.5	<0.5	<0.5	<0.5	–
	08/10/1998	11	48	1.9	<0.5	<0.5	190	<0.5	<0.5	<0.5	<0.5	<0.5	–
	11/09/1998	<2.5	3.8	<0.5	<0.5	<0.5	81	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/08/1999	3.8	3	<0.5	<0.5	<0.5	82	<0.5	<0.5	<0.5	<0.5	<0.5	–
	05/10/1999	2.6/<2.0*	8.8	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	–
	08/09/1999	5.6<2.0*	25	<0.5	<0.5	<0.5	150	<0.5	<0.5	<0.5	<0.5	<0.5	–
	11/05/1999	4.3/<2.0*	20	<0.5	<0.5	0.76	160	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/01/2000	<0.5	42	1.2	<0.5	<0.5	180	<0.5	<0.5	<0.5	<0.5	<0.5	–
	05/02/2000	<0.5	12	0.7	<0.5	<0.5	120	<0.5	<0.5	<0.5	<0.5	<0.5	–
	08/01/2000	<0.5	11	<0.5	<0.5	<0.5	69	<0.5	<0.5	<0.5	<0.5	<0.5	–
	11/06/2000	<0.5	7.0	<0.5	<0.5	<0.5	72	<0.5	<0.5	<0.5	<0.5	<0.5	–
	02/16/2001	<0.5	1.6	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	–
MW-6	10/01/1995	–	ND	ND	ND	ND	<50	6.2	11	33	–	–	–
	01/01/1996	–	ND	ND	ND	ND	<50	7.2	12	5.3	–	–	–
	06/12/1996	–	<0.5	<0.5	<0.5	<2	<50	3.6	5	7.9	–	–	<0.5
	09/05/1996	<5	0.8	<0.5	<0.5	<2	<50	5.4	5.2	7.5	–	–	<0.5
	12/03/1996	<5	<0.5	<0.5	<0.5	<2	<50	0.9	0.6	0.5	<0.5	<0.5	<0.5
	02/27/1997	<5	<0.5	<0.5	<0.5	<2	<50	1.3	0.5	<0.5	<0.5	<0.5	<500
	06/10/1997	<5	0.9	<0.5	<0.5	<2	<50	1	<0.5	<0.5	<0.5	<0.5	–
	08/27/1997	<5	<0.5	<0.5	<0.5	<2	<50	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
	11/26/1997	7.6	15	0.9	9.1	<2	320	1.2	0.6	0.8	<0.5	<0.5	<500
	02/11/1998	<5	<0.5	<0.5	<0.5	<2	<50	0.7	<0.5	0.5	<0.5	<0.5	<500
	05/19/1998	<5	0.6	<0.5	<0.5	<2	<50	0.6	<0.5	<0.5	<0.5	<0.5	<500
	08/10/1998	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.5	0.59	1.3	<0.5	<0.5	9,000
	11/09/1998	<2.5	<0.5	<0.5	<0.5	<0.5	<50	1.2	0.92	1.7	<0.5	<0.5	<500

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-6 (cont'd)	02/08/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.86	<0.5	1.2	<0.5	<0.5	<500
	05/10/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5000
	08/09/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.52	<0.5	<0.5	<0.5	<0.5	<1000
	11/05/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	0.89	0.89	1.2	<0.5	<0.5	--
	02/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	1.2	0.9	2.2	<0.5	<0.5	<1000
	05/02/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	2.6	0.8	1.3	<0.5	<0.5	<1000
	08/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	0.8	0.9	2.3	<0.5	<0.5	<1000
	11/06/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	0.9	0.9	3.3	<0.5	<0.5	<1000
	02/16/2001	<0.5	<0.5	<0.5	<0.5	<0.5	<50	0.9	1.1	6.2	<0.5	<0.5	<1000
MW-7	10/01/1995	--	ND	ND	ND	ND	<50	5.3	3.5	8.3	--	--	--
	01/01/1996	--	ND	ND	ND	ND	<50	9.3	4.8	5.7	--	--	--
	06/12/1996	--	0.6	<0.5	<0.5	<2	<50	6.1	3.4	2.9	--	--	--
	09/05/1996	<5	1.2	<0.5	<0.5	<2	<50	8.3	4.2	5.9	--	--	--
	12/03/1996	<5	850	<5	<5	30	120	4	4	75	<3	<3	<0.5
	02/27/1997	<30	1500	3.0	23	<10	2,500	2	4	65	<0.5	<0.5	--
	06/10/1997	<50	1700	<5	59	<20	3,200	2	4.2	85	<0.5	<0.5	--
	08/27/1997	90	1700	8.0	200	40	3,900	<3	5	93	<3	<3	--
	11/26/1997	90	3,100	15.0	190	30	5,600	3	5.9	120	1	<0.5	--
	02/11/1998	90	3,800	25.0	250	80	8,500	4	8.9	93	1.2	<0.5	--
	05/19/1998	300	2,100	440.0	150	220	5,000	2	3.8	74	0.6	<0.5	--
	08/10/1998	<50	690	<10	13	<10	1,600	<2.5	3.3	100	<2.5	<2.5	--
	11/09/1998	8.7	295	5.5	4.3	1.5	930	4.2	6.5	110	<2.5	<2.5	--
	02/08/1999	<50	670	<10	14	<10	1,500	6	3.4	74	<1.2	<1.2	--
	05/10/1999	63/<2.0*	1,800	16.0	81	130	2,800	1	2.6	65	0.63	<0.5	--
	08/09/1999	300/6.5*	570	5.1	28	30	1,500	<0.5	1.2	95	0.57	<0.5	--
	11/05/1999	150/11*	1,200	<5	61	25	2,100	4	7.8	95	1.6	<0.5	--
	02/01/2000	6.6	2,600	16.0	140	210	4,600	3	6	110	1.7	<0.5	--
	05/02/2000	<5.0	2,700	25	80	270	4,200	<5.0	<5.0	84	<5.0	<5.0	--
	08/01/2000	<10	5,500	27	300	390	5,600	<10	<10	85	<10	<10	--
	11/06/2000	<10	3,400	29	230	330	6,000	<10	<10	66	<10	<10	--
	02/16/2001	3.1	3,400	27	200	290	[redacted]	<2	<2	60	<2	<2	--
MW-8	11/05/1999	<2.5	<0.5	<0.5	<0.5	<0.5	<50	6.2	<0.5	<0.5	<0.5	<0.5	--
	02/01/2000	<0.5*	0.6	<0.5	<0.5	<0.5	<50	7.8	<0.5	<0.5	<0.5	<0.5	--
	05/02/2000	<0.5*	1.1	<0.5	<0.5	<0.5	<50	5.9	<0.5	<0.5	<0.5	<0.5	--
	08/01/2000	<0.5	<0.5	<0.5	<0.5	<0.5	<50	5.6	<0.5	<0.5	<0.5	<0.5	--
	11/06/2000	<0.5	1.3	<0.5	<0.5	<0.5	<50	5.5	<0.5	<0.5	<0.5	<0.5	--
	02/16/2001	<0.5	<0.5	<0.5	<0.5	<0.5	<50	6.0	<0.5	<0.5	<0.5	<0.5	--
MW-9	11/05/1999	3/2.4*	<0.5	<0.5	<0.5	<0.5	<50	65	29	32	<0.5	<0.5	--
	02/01/2000	3.0*	2.6	<0.5	<0.5	<0.5	<50	60	22	36	0.7	<0.5	--
	05/02/2000	2.0*	0.6	<0.5	<0.5	<0.5	77	39	19	30	0.5	<0.5	--
	08/01/2000	2.7	<0.5	<0.5	<0.5	<0.5	70	41	19	37	0.7	<0.5	--
	11/06/2000	3.2	0.6	<0.5	<0.5	<0.5	74	31	15	34	0.8	<0.5	--
	02/16/2001	3.4	<0.5	<0.5	<0.5	<0.5	52	26	14	33	0.9	<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* (Prior to 5/99 analyzed using EPA Method 8020; '99 duplicates and all post-'99 samples analyzed using EPA Method 8260.)
*	=	Duplicate
cis-1,2-D	=	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.

Pri 2/16

SITE VISIT FORM
IT Corporation - Concord, California

Project: 823289.00 Technician: H Merino
Site: SEARS/1039/Oakland, CA Scheduled: 12/25/2000
Project Mgr: David Bero Site Mgr: Brad Wooland

PREPARATORY COMMENTS

Visit Date: 2-16-01 Arrival Time: _____ Departure Time: _____

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). 2/14/01 left message

Notify Don Whang 72 hrs. in advance (510) 567-6746. DONE: left message 2/13/01 @ 7:20

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 DTW, DTP, pH, conductivity, temperature and dissolved oxygen.

3. Collect one trip blank and one duplicate from MW-2 and submit for BTEX-(EPA 8260). Pick up or have trip blank delivered from lab. Must use lab trip (Zymax).

SITE VISIT FORM
IT Corporation - Concord, California

Project: 823289.00 Technician: H Marino
Site: SEARS/1039/Oakland, CA Scheduled: 12/25/2000
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 8260 and GC/MS combo.) and Chlorinated hydrocarbons (EPA 8260 - GC/MS). Wells MW-4 and MW-6 additionally analyze for Oil and Grease (C/F).

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: A Moino
Schedule:
Job No. 823289.03054300

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 15.45	SAT. THICK ___	#GAL. BAILED_____
MW-2:	DTB_24.10	DTW 15.50	SAT. THICK___	#GAL. BAILED_____
MW-3:	DTB_27.75	DTW 17.42	SAT. THICK___	#GAL. BAILED_____
MW-4:	DTB_23.55	DTW 13.65	SAT. THICK___	#GAL. BAILED_____
MW-5:	DTB_25.10	DTW 13.75	SAT. THICK___	#GAL. BAILED_____
MW-6:	DTB_26.75	DTW 14.93	SAT. THICK___	#GAL. BAILED_____
MW-7:	DTB_26.20	DTW 16.60	SAT. THICK___	#GAL. BAILED_____
MW-8	DTB_25.00	DTW 17.74	SAT. THICK___	#GAL. BAILED_____
MW-9	DTB_25.00	DTW 16.31	SAT. THICK___	#GAL. BAILED_____

NOTES: Opened all wells before gauging
2 drums inside garage. (Garage still has lifts in place)

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

Sears Facility Contact and Phone # Herb McINTYRE (510) 628-8425

IT Corporation Representative Hector Merino

Accumulation Start Date 2-16-01 Completion Date 2/16/01

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 Oakland ca.

IT Corporation Representative Hector Merino

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

DRUM ID	ACCUMU-LATION START DATE	CONTENTS (as on label) VOLUME (if mixed waste)	SOURCE (be specific)	SLUDGE PRESENT Y/N	VOLUME (gallon)
A	2-16-01	Purge water	Groundwater	NO	55
B	2-16-01	Purge Water	Groundwater	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 1911 Telegraph Oakland Ca.

Sears Facility Contact and Phone # Herb McINTYRE

IT Corporation Representative Hector Muniz

Accumulation Start Date 2-16-01 Completion Date 2-16-01

Exact Bulk Storage Location Garage

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

SOIL PILE CALCULATIONS

Calculation for a tent shaped soil pile:

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

Calculation for a rectangular or square shaped soil pile:

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

Calculation for a conical (cone) shaped soil pile:

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

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2.16.01
Page ____ of ____
Project Manager: David Bero

Well ID: MW-1
Well Diameter: 2

DTW Measurements:
Initial: 15.45
Recharge: ____
DTB: 24.25

Calc Well Volume: 1.4 gal
Well Volume X3 4.3 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

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

Time	Temp ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	0.80	0.58	7.95		1	Cloudy	
	14.5	0.66	7.57		2		
	16.6	0.63	7.43		3		
	18.0	0.63	7.14		4		Dry @ 4 Gallons
					5		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2·16·01
Page _____ of _____
Project Manager: David Bero

Well ID: MW-2
Well Diameter: 4

DTW Measurements:
Initial: 15.50
Recharge: _____
DTB: 24.10

Calc Well Volume: 5.6 gal
Well Volume X3 17.0 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)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.2	1.35	6.59		5	cloudy	
	20.3	1.38	6.45		10	↓	Dry @ 10 gallons
					15		
					20		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page _____ of _____
Project Manager: David Bero

Well ID. MW-3
Well Diameter: 4

DTW Measurements.
Initial: 17.42
Recharge: _____
DTB. 27.75

Calc Well Volume 10 6.7 gal
Well Volume X3 30.2 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.8	0.65	6.31		5	cloudy	
	21.2	0.64	6.33		10		
	21.5	0.68	6.29		15		
	21.5	0.82	6.32		20	↓	

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page _____ of _____
Project Manager: David Bero

Well ID: MW-4
Well Diameter: 4"

DTW Measurements
Initial: 13.65
Recharge: _____
DTB: 23.55

Calc Well Volume: 6.4 gal
Well Volume X3 19.3 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.9	1.64	6.49		5	cloudy	
	21.3	1.62	6.44		10		
	21.5	1.67	6.84		15		DTW@ 16 gallons
					20	↓	

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page _____ of _____
Project Manager: David Bero

Well ID: MW-5
Well Diameter: 2

DTW Measurements:
Initial: 13.75
Recharge: _____
DTB: 25.10

Calc Well Volume: 2.2 gal
Well Volume: X3 6.7 gal

Purge Method
Peristaltic _____
Gear Drive _____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.7	1.46	6.63		2	cloudy	
	20.7	1.58	6.66		3		
	20.8	1.57	6.70		4		D.T.W @ 4 Gallons
					5		
					6		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page ____ of ____
Project Manager: David Bero

Well ID: MW-6
Well Diameter: 2

DTW Measurements:
Initial: 14.93
Recharge: ____
DTB: 26.75

Calc Well Volume: 1.9 gal
Well Volume: x3 5.7 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

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

Time	Temp ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.7	1.58	6.16		1	cloudy	
	20.8	1.58	6.19		2		
	20.7	1.57	6.22		3		
	20.6	1.59	6.24		4		
	20.1	1.62	6.26		5		
	20.8	1.66	6.29		6		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page ____ of ____
Project Manager: David Bero

Well ID: MW-7
Well Diameter: 2

DTW Measurements
Initial: 16.60
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 ~~C~~ F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.5	1.05	6.42		1	cloudy	
	20.2	1.01	6.54		2		
	20.8	1.03	6.55		3		
	20.9	1.07	6.52		4		
	20.9	1.02	6.50		5		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2.16.01
Page ____ of ____
Project Manager: David Bero

Well ID: MW-8
Well Diameter: 2

DTW Measurements:
Initial: 17.74
Recharge: ____
DTB: 25.00

Calc Well Volume: 1.1 gal
Well Volume: X3 3.5 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	20.1	0.78	6.58		1	cloudy	
	20.1	0.52	6.88		2		
	20.4	0.57	6.85		3		DRY @ 3 GALLONS
					4		
					5		

Project Name: Sears/1039/Oakland
Site Address: 1911 Telegraph Ave., Oakland
Project Number: 823289.03054300

Date: 2-16-01
Page ____ of ____
Project Manager: David Bero

Well ID: MW-9
Well Diameter: 2

DTW Measurements:
Initial: 16.31
Recharge: ____
DTB: 25.00

Calc Well Volume: 1.4 gal
Well Volume X3 4.2 gal

Purge Method
Peristaltic ____
Gear Drive ____
Submersible X

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

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

Time	Temp X C / F	Conductivity (mmhos/cm)	pH	Dissolved Oxygen	Purge Volume Gallons	Turbidity	Comments
	19.8	1.05	6.34		1	cloudy	
	20.2	1.14	6.19		2		
	20.6	1.15	6.19		3		
	20.7	1.10	6.29		4	↓	Dry @ 4 Gallons
					5		

ZymaX

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

CHAIN of CUSTODY

02-21-2001 11:23AM ZymaX environtechnology 1 805 544 8226 P.02

report to David Bero | phone (925) 788-9818 | fax (925) 788-0888

company IT Corp | project Sears/Oakbrd #1039

address 4005 Portchicago Hwy Concord Ca. 94520 | project # 823289.0305.1300

sampler Hector Merino

ANALYSIS REQUESTED

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

ZymaX Lab only	SAMPLE DESCRIPTION	Date Sampled	Time	Matrix	Preserve	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Oil & Grease (5520)	BTEX (8260)	# of containers	Remarks
20938-1	MW-1	02-16-01	9:00	GW	HCl	X	X				
-2	MW-3	02-16-01	9:20	GW	HCl	X	X				
-3	MW-6	02-16-01	9:40	GW	HCl	X	X	X			
-4	MW-8	02-16-01	9:59	GW	HCl	X	X				
-5	MW-9	02-16-01	10:25	GW	HCl	X	X				
-6	MW-4	02-16-01	1040	GW	HCl	X	X	X			
-7	MW-5	02-16-01	11:00	GW	HCl	X	X				
-8	MW-2	02-16-01	11:29	GW	HCl	X	X				
-9	MW-7	02-16-01	12:10	GW	HCl	X	X				
-10	DUP	02-16-01	11:29	GW	HCl				X		
-11	TBLB	2-16-01	-	GW	HCl				⊗		

Comments
2/21/01 per D. Bero -ab

Relinquished by:
Signature [signature]
Print Hector Merino
Company IT Corp
Date 02-16-01 Time

Received by:
Signature [signature]
Print Frank Vargas
Company ZymaX
Date 2-20-01 Time 10:30

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

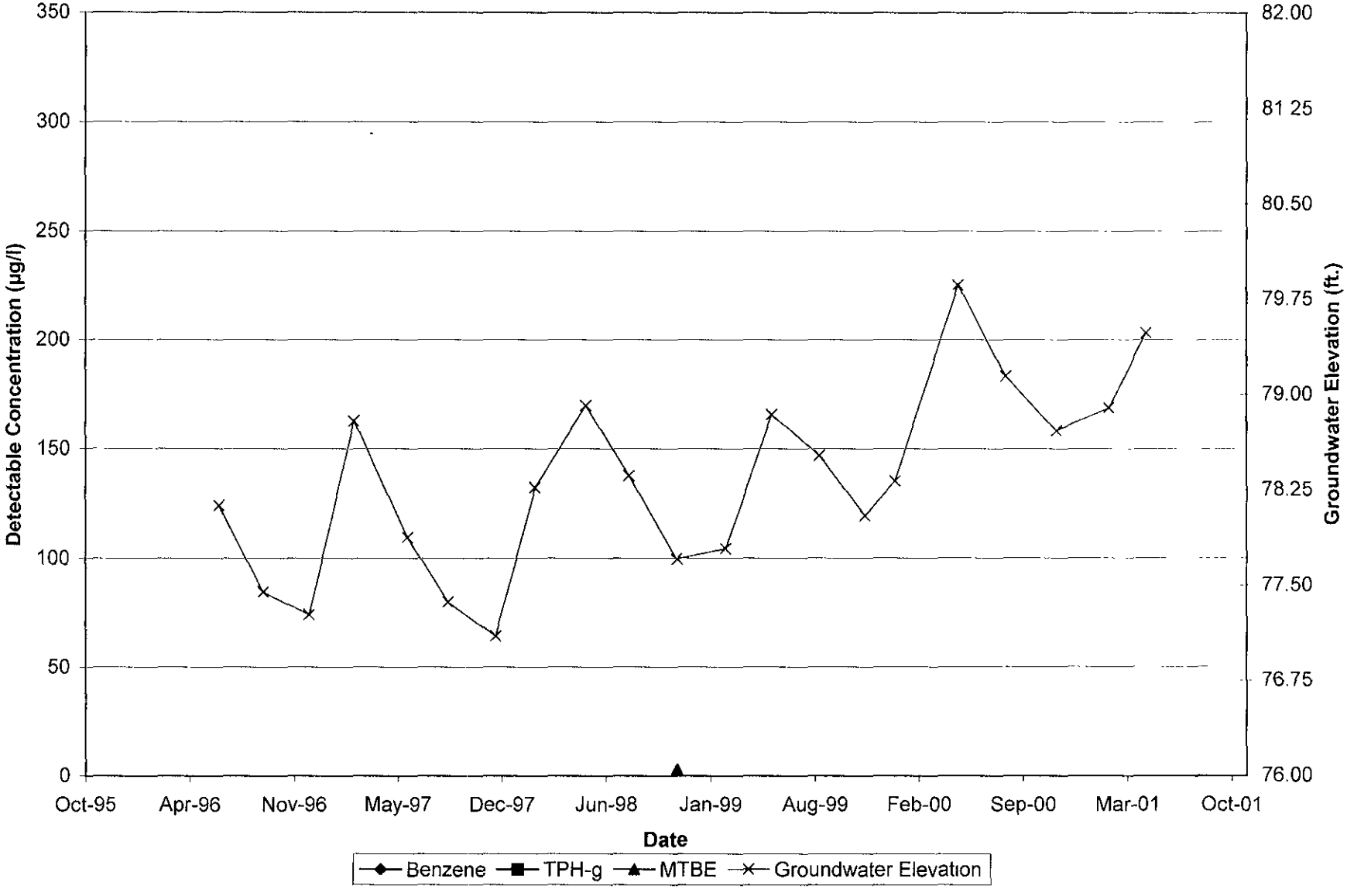
Received by ZymaX envirotechnology inc:
Signature
Print
Company
Date Time

email: zymax@ZymaXusa.com

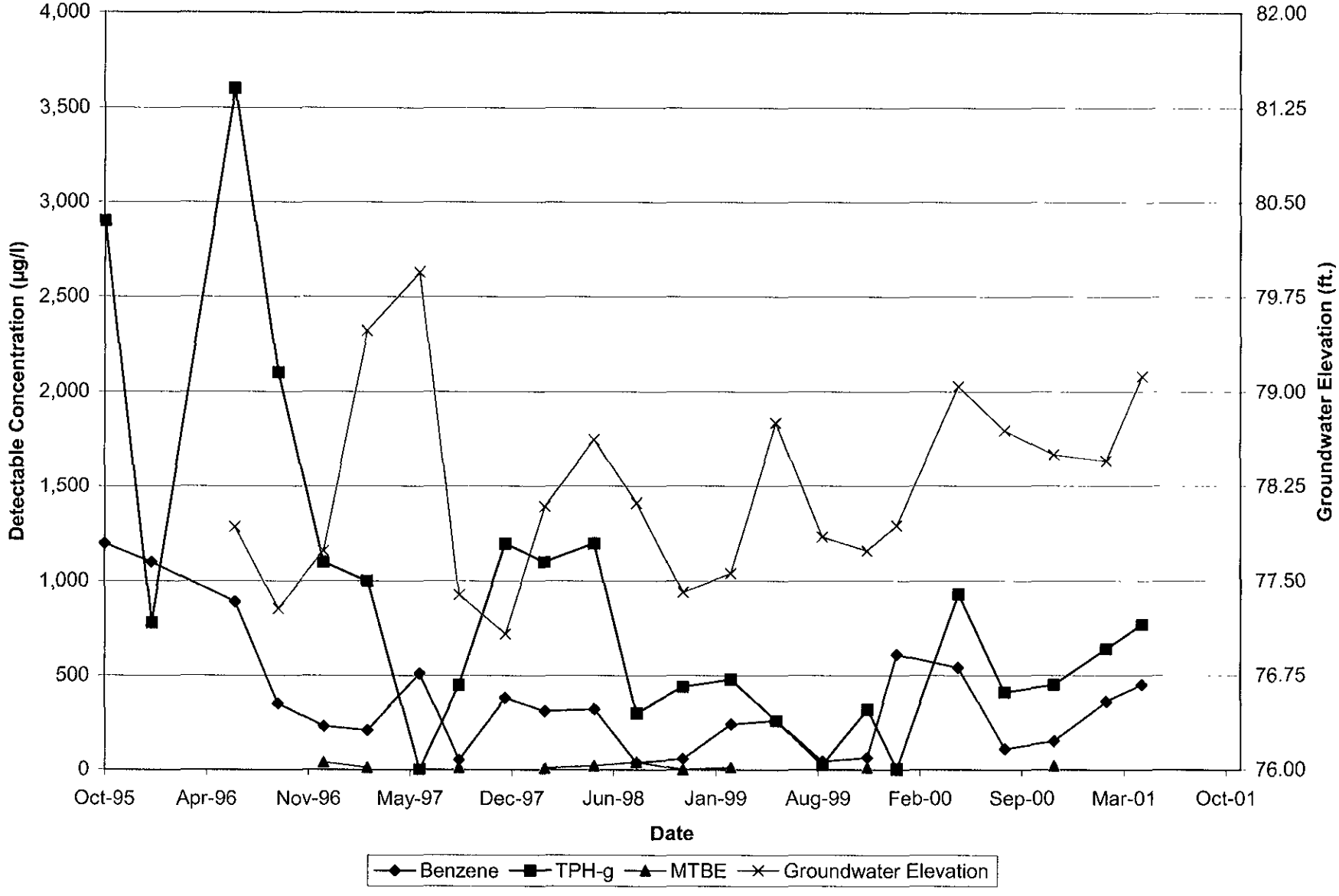
Attachment 4

Graphs

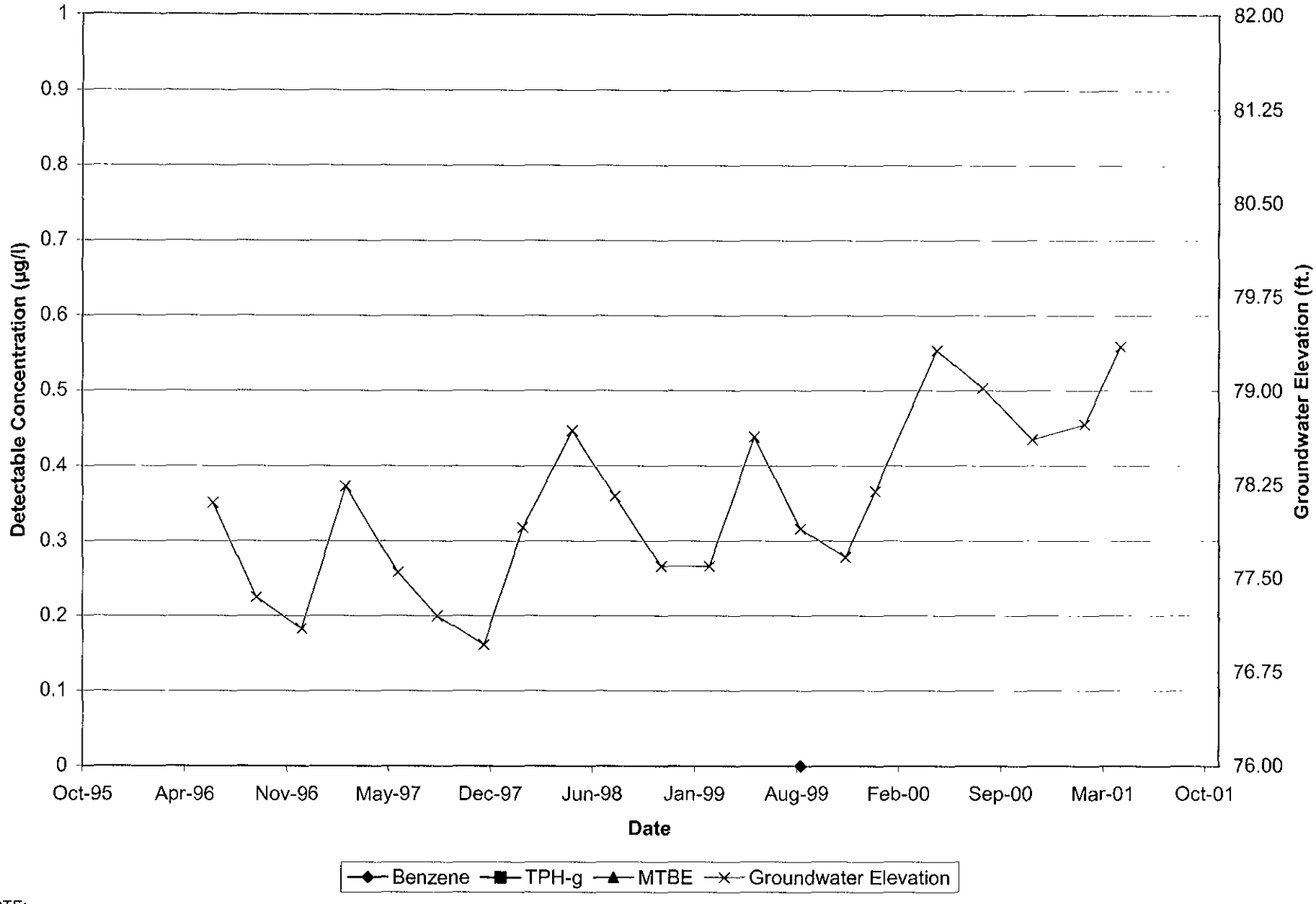
Graph 1, MW-1
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

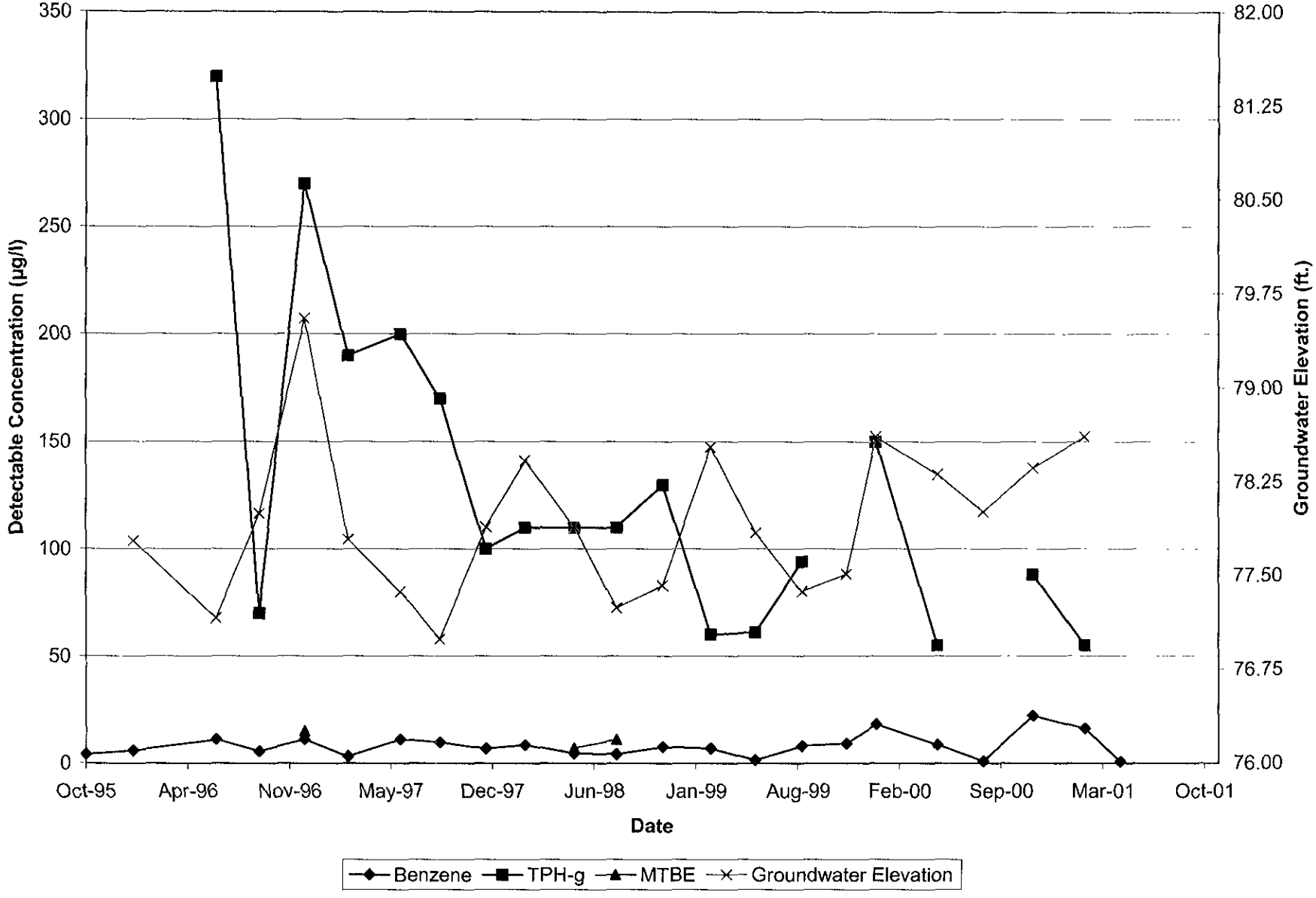


Graph 3, MW-3
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time

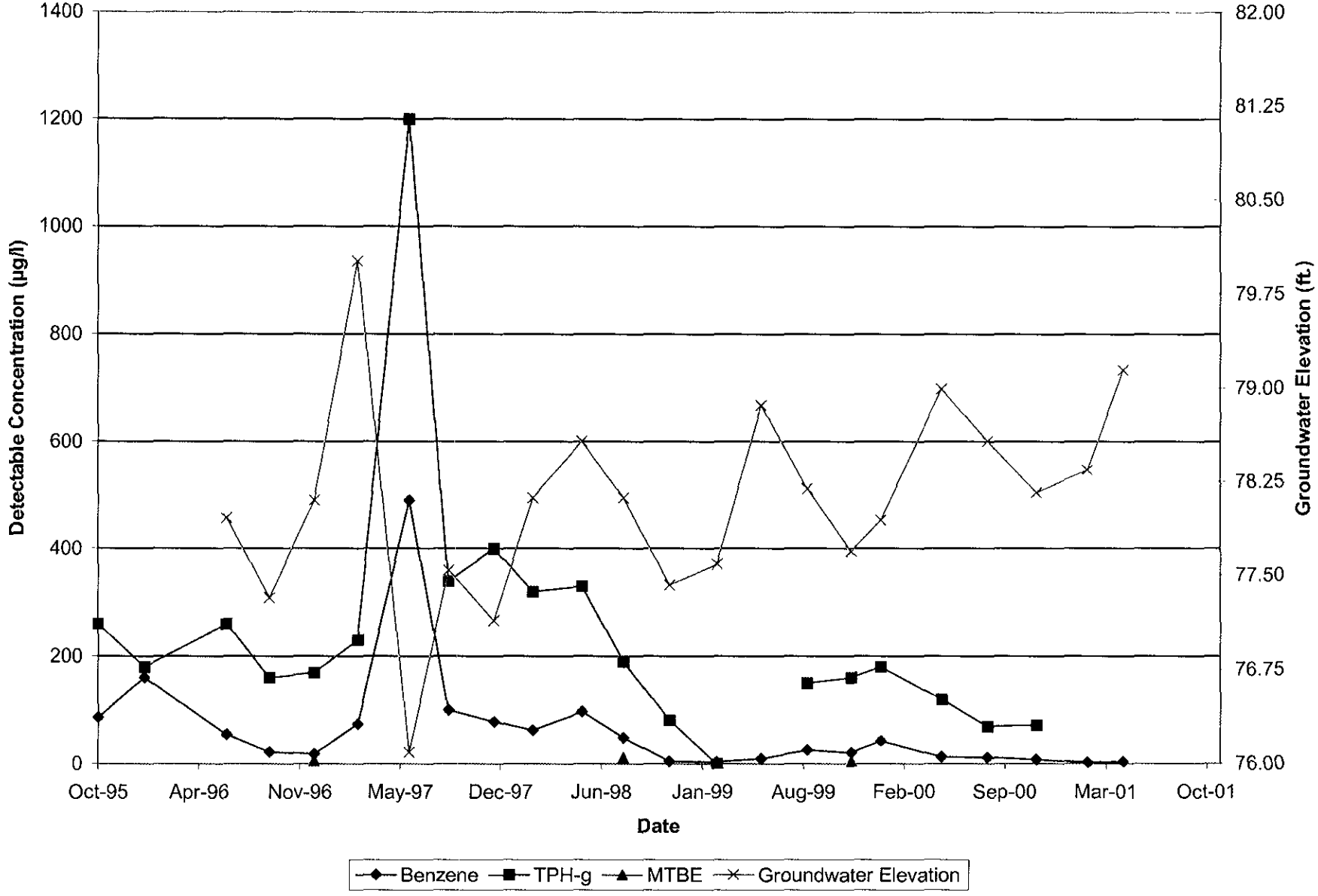


NOTE:
No detectable Benzene, TPH-g, or MTBE

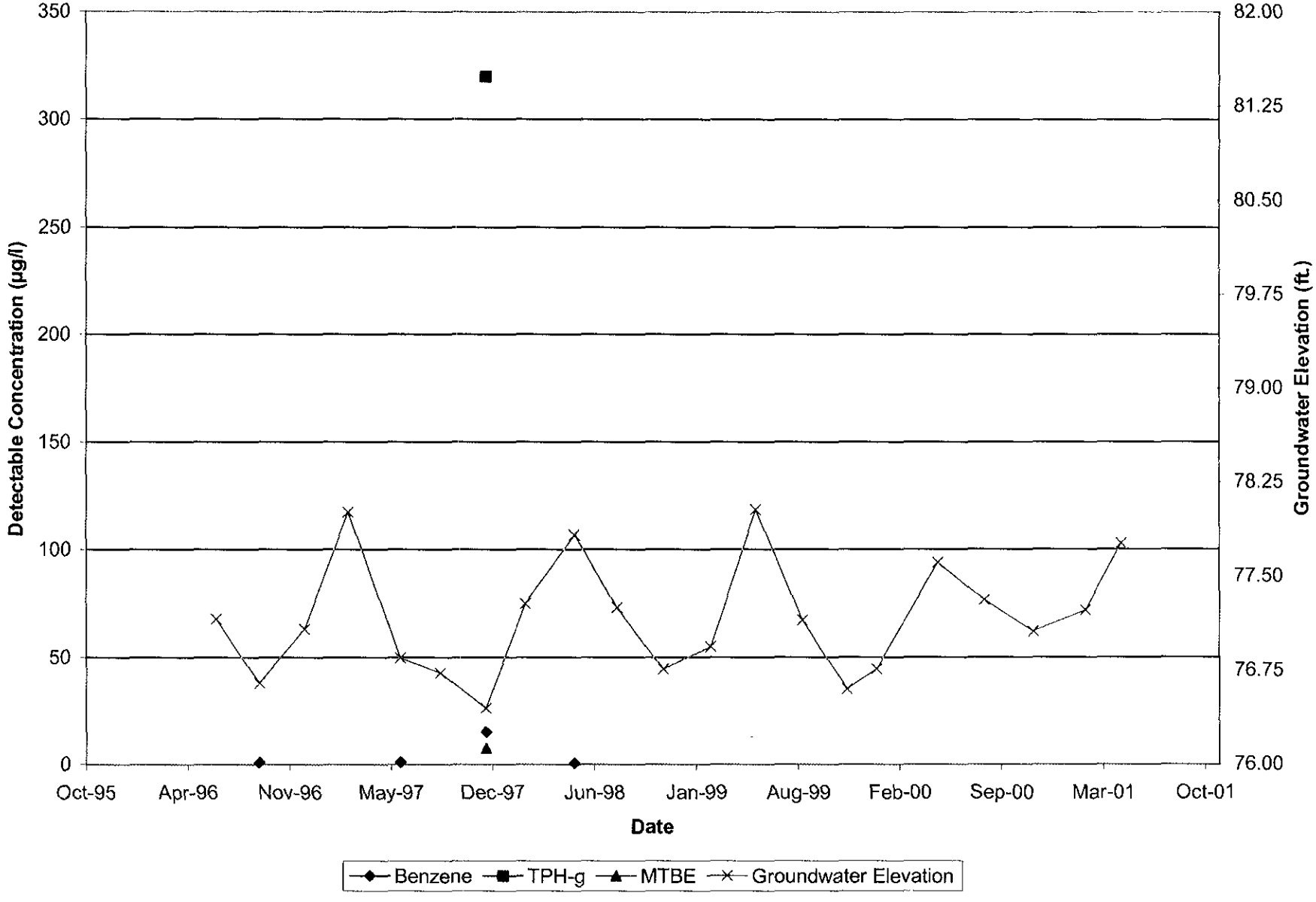
Graph 4, MW-4
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



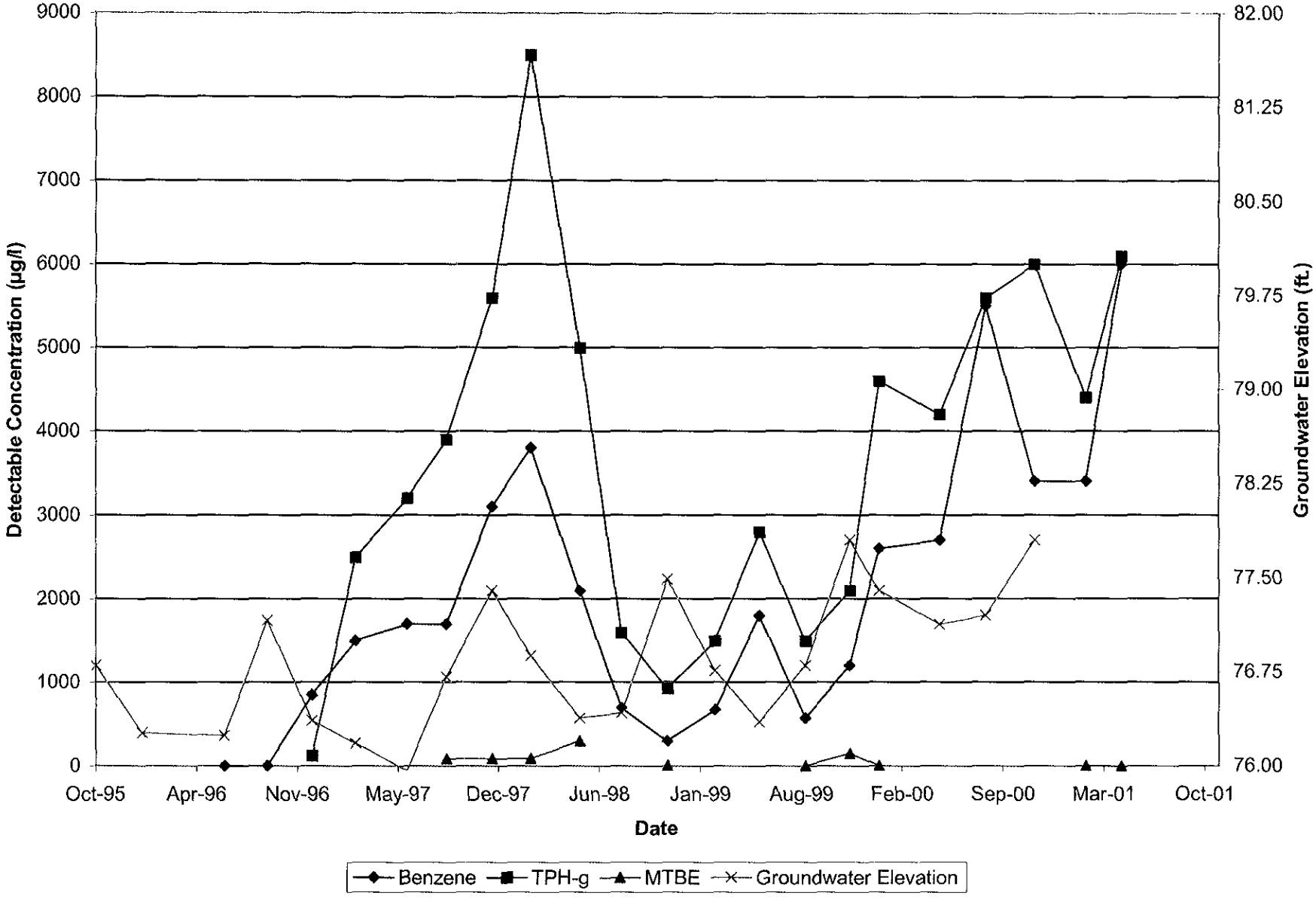
Graph 5, MW-5
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



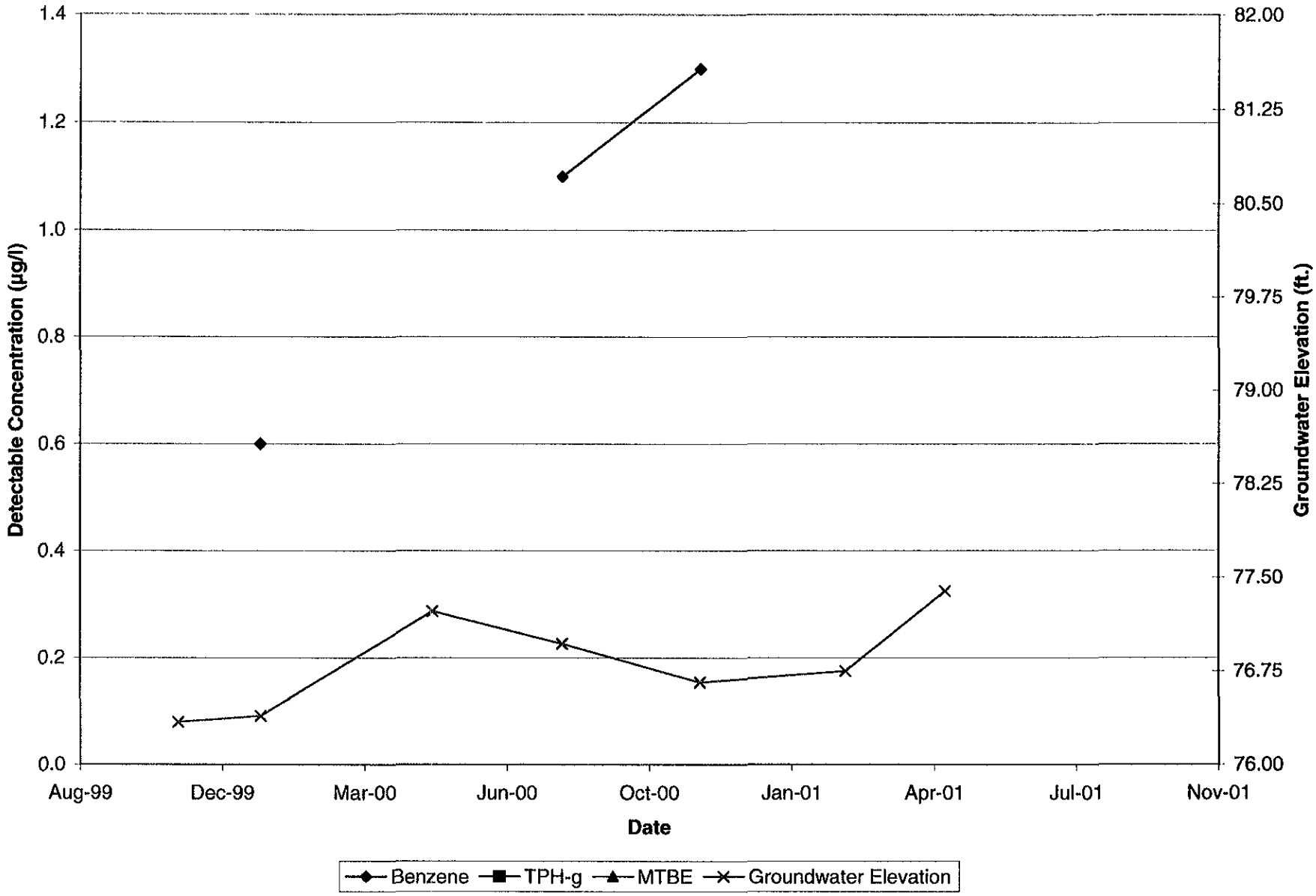
Graph 6, MW-6
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



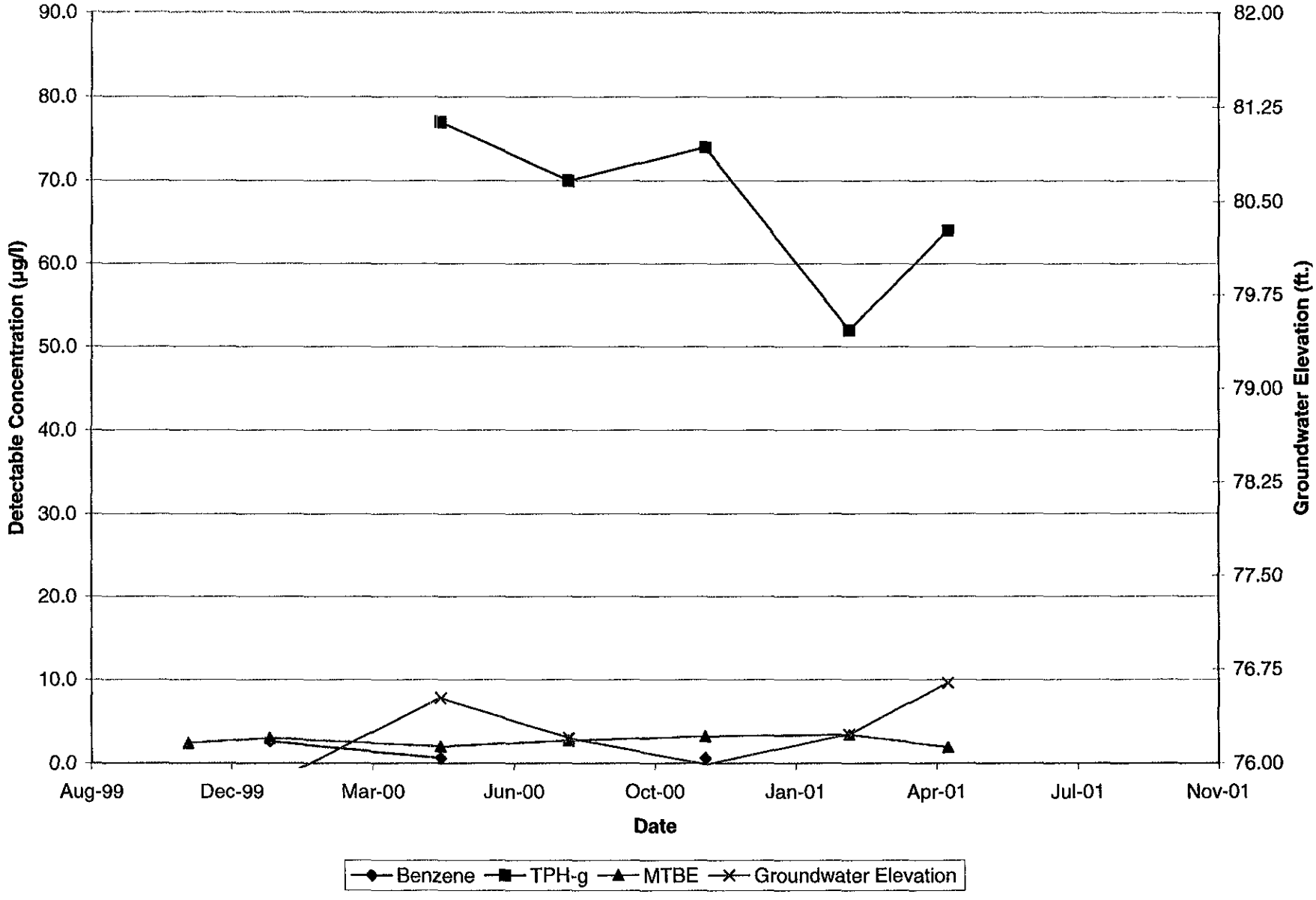
Graph 7, MW-7
Sears Store No. 1039, 1911 Telegraph Avenue,
Oakland, California
Detectable Hydrocarbon Concentrations and Groundwater Elevation vs. Time



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

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-1
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-1
Analyzed:	02/28/01
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		100
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 #7
22928-1.xls
MN/tr/bp/mb/bm

FILE

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REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero The IT Group 4005 Port Chicago Hwy Concord, CA 94520-1120
Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Lab Number:	22928-1
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous
Sample Description:	MW-1
Analyzed:	02/28/01
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	32.
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	0.7
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		100

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 #7
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-8
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-2
Analyzed:	03/01/01
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	360.
Toluene	0.5	4.4
Ethylbenzene	0.5	19.
Xylenes	0.5	8.6
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		103
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	640.
BTX as a Percent of Fuel		58

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 #7
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-8
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-2
Analyzed:	03/01/01
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	19.
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	2.5
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	11.
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 #7
22928-8h.xls
MN/tr/yl/bp

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero The IT Group 4005 Port Chicago Hwy Concord, CA 94520-1120
Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Lab Number:	22928-2
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous
Sample Description:	MW-3
Analyzed:	02/27/01
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		98
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 #7
22928-2.xls
MN/tr/bp/mb/bm

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REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-2
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-3
Analyzed:	02/27/01
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	8.9
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		98

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***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 #7
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REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-6
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-4
Analyzed:	02/28/01
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	16.
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		100
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	55.
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 #7
22928-6.xls
MN/tr/bp/mb/bm

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REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-6
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-4
Analyzed:	02/28/01
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		100

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 #7
22928-6h.xls
MN/tr/bp/mb/bm

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero The IT Group 4005 Port Chicago Hwy Concord, CA 94520-1120

Lab Number:	22928-6
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-4
Analyzed:	03/02/01
Method:	EPA 413.2

Oil & Grease

CONSTITUENT	PQL* mg/L	RESULT** mg/L
Oil & Grease	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
Assitant Lab Director

22928-6r.xls
MN/tr/dz/ag

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-7
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-5
Analyzed:	03/01/01
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	1.6
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Xylenes	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		98
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.

MSD #7
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MN/tr/yl/bp/mb

Michael Ng
Assistant Lab Director

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-7
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-5
Analyzed:	03/01/01
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		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 #7
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-3
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	02/27/01
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		101
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 #7
22928-3.xls
MN/tr/bp/mb/bm

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-3
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	02/27/01
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	6.2
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	0.9
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	1.1
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	ND
Percent Surrogate Recovery		101

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 #7
22928-3h.xls
MN/tr/bp/mb/bm

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-3
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-6
Analyzed:	03/02/01
Method:	EPA 413.2

Oil & Grease

CONSTITUENT	PQL* mg/L	RESULT** mg/L
Oil & Grease	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
Assitant Lab Director

22928-3r.xls
MN/tr/dz/ag

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-9
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-7
Analyzed:	02/28/01
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	2.0	3400.
Toluene	2.0	27.
Ethylbenzene	2.0	200.
Xylenes	2.0	290.
Methyl-t-Butyl Ether (MTBE)	2.0	3.1
Percent Surrogate Recovery		104
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	200.	4400.
BTX as a Percent of Fuel		84

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 #7
22928-9.xls
MN/tr/yl/bp/mb

ZymaX

REPORT OF ANALYTICAL RESULTS

Client: Dave Bero The IT Group 4005 Port Chicago Hwy Concord, CA 94520-1120	Lab Number: 22928-9 Collected: 02/16/01 Received: 02/20/01 Matrix: Aqueous
Project: Sears #1039 Oakland Project Number: 823289.03054300 Collected by: Hector Merino	Sample Description: MW-7 Analyzed: 02/28/01 Method: EPA 8260

CONSTITUENT	PQL* ug/L	RESULT** ug/L
PURGEABLE HALOCARBONS		
Bromobenzene	2.0	ND
Bromodichloromethane	2.0	ND
Bromoform	2.0	ND
Bromomethane (Methyl Bromide)	2.0	ND
Carbon Tetrachloride	2.0	ND
Chlorobenzene	2.0	ND
Chloroethane (Ethyl Chloride)	2.0	ND
2-Chloroethylvinyl Ether	4.0	ND
Chloroform	2.0	ND
Chloromethane (Methyl Chloride)	2.0	ND
Dibromochloromethane	2.0	ND
Dibromomethane	2.0	ND
1,2-Dichlorobenzene	2.0	ND
1,3-Dichlorobenzene	2.0	ND
1,4-Dichlorobenzene	2.0	ND
Dichlorodifluoromethane	2.0	ND
1,1-Dichloroethane	2.0	ND
1,2-Dichloroethane (EDC)	2.0	60.
1,1-Dichloroethene	2.0	ND
cis-1,2-Dichloroethene	2.0	ND
trans-1,2-Dichloroethene	2.0	ND
1,2-Dichloropropane	2.0	ND
cis-1,3-Dichloropropene	2.0	ND
trans-1,3-Dichloropropene	2.0	ND
Methylene Chloride	2.0	ND
1,1,1,2-Tetrachloroethane	2.0	ND
1,1,2,2-Tetrachloroethane	2.0	ND
Tetrachloroethene (PCE)	2.0	ND
1,1,1-Trichloroethane (TCA)	2.0	ND
1,1,2-Trichloroethane	2.0	ND
Trichloroethene (TCE)	2.0	ND
Trichlorofluoromethane (freon 11)	2.0	ND
1,2,3-Trichloropropane	2.0	ND
Vinyl Chloride	2.0	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

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22928-9h.xls
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-4
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-8
Analyzed:	02/28/01
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		98
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 #7
22928-4.xls
MN/tr/bp/mb/bm

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-4
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-8
Analyzed:	02/28/01
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	6.0
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		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 #7
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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-5
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-9
Analyzed:	02/28/01
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	3.4
Percent Surrogate Recovery		98
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	52.
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 #7
22928-5.xls
MN/tr/bp/mb/bm

ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-5
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	MW-9
Analyzed:	02/28/01
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	33.
1,1-Dichloroethene	0.5	ND
cis-1,2-Dichloroethene	0.5	0.9
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	26.
1,1,1-Trichloroethane (TCA)	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Trichloroethene (TCE)	0.5	14.
Trichlorofluoromethane (freon 11)	0.5	ND
1,2,3-Trichloropropane	0.5	ND
Vinyl Chloride	0.5	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 #7
22928-5h.xls
MN/tr/bp/mb/bm

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero The IT Group 4005 Port Chicago Hwy Concord, CA 94520-1120

Lab Number:	22928-10
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	Dup
Analyzed:	02/28/01
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	390.
Toluene	0.5	4.1
Ethylbenzene	0.5	17.
Xylenes	0.5	8.1
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.

Note: Analyzed by EPA 8260 and GC/MS Combination.
Note: Analytical range is C4-C12.
Note: TPH quantitated against gasoline.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

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ZymaX

REPORT OF ANALYTICAL RESULTS

Client:	Dave Bero
	The IT Group
	4005 Port Chicago Hwy
	Concord, CA 94520-1120

Lab Number:	22928-11
Collected:	02/16/01
Received:	02/20/01
Matrix:	Aqueous

Project:	Sears #1039 Oakland
Project Number:	823289.03054300
Collected by:	Hector Merino

Sample Description:	TBLB
Analyzed:	02/28/01
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
Percent Surrogate Recovery		94

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.

Submitted by,
ZymaX envirotechnology, inc.

Michael Ng
Assistant Lab Director

MSD #7
22928-11.xls
MN/tr/bp/mb/bm

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) 288-0580	
company IT Corp	project Sears/Oakland #1039		
address 4005 Port Chicago Hwy. Concord Ca. 94520	project # 823289.0305.1300		
	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	Chlorinated Hydrocarbons 8260	BTEX MTBE TPH-G 8260 Oxygenates	Oil & Grease (C&F)	BTEX (8260)	# of containers	Remarks
22928-1	MW-1	02-16-01	9:00	GW	HCl	X	X				
-2	MW-3	02-16-01	9:20	GW	HCl	X	X				
-3	MW-6	02-16-01	9:40	GW	HCl	X	X	X			
-4	MW-8	02-16-01	9:59	GW	HCl	X	X				
-5	MW-9	02-16-01	10:25	GW	HCl	X	X				
-6	MW-4	02-16-01	1040	GW	HCl	X	X	X			
-7	MW-5	02-16-01	11:00	GW	HCl	X	X				
-8	MW-2	02-16-01	11:29	GW	HCl	X	X				
-9	MW-7	02-16-01	12:10	GW	HCl	X	X				
-10	DUP	02-16-01	11:29	GW	HCl				X		
-11	TRIP BLANK	2-16-01	-	GW	HCl				X		

Comments
2/21/01 per D. Bero - nb

Relinquished by:
Signature [signature]
Print Hector Merino
Company IT Corp
Date 02-16-01 Time

Received by:
Signature [signature]
Print Frank Vincent
Company ZymaX
Date 2-20-01 Time 10:30

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