ATC ASSOCIATES INC.

1117 Lone Palm Avenue, Suite B
Modesto, CA 95351
www.atc-enviro.com
209.579.2221
Fax 209.579.2225

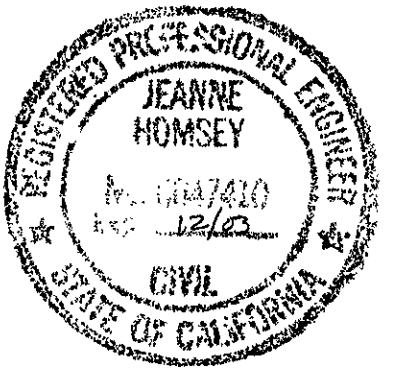
QUARTERLY GROUNDWATER MONITORING REPORT
(2nd Quarter, 2003)

Former E-Z Serve Location No. 100877
525 West 'A' Street
Hayward, California
STID No. 3580

Submitted to:
Restructure Petroleum Marketing Services of California, Inc.
205 S. Hoover Boulevard, Suite 101
Tampa, Florida 33609

Submitted by
ATC Associates Inc.
1117 Lone Palm Avenue, Suite B
Modesto, California 95351

ATC Work Order No. 100877-C2-17
ATC Project No. 54.25827.2417
June 30, 2003



Prepared by:

Todd C. Hafner
Project Manager

Approved by:

Jeanne Homsey, P.E.
CA Registered Civil Engineer C47410

DATE: June 30, 2003

QUARTERLY GROUNDWATER MONITORING REPORT – SECOND QUARTER 2003

Facility: **Former E-Z Serve No. 100877**	Site Address: **525 West 'A' Street, Hayward, California**
Responsible Party / Contact Person:	RPMS-CA / Jeff Burke, Project Manager
Consulting Co. / Contact Person:	**ATC Associates Inc. / Todd Hafner, Project Manager (209) 579-2221**
ATC Project No.:	54.25827.2417
Regulatory Agency/File No.:	Alameda County Health Care Services and RWQCB

WORK PERFORMED THIS QUARTER [April 1, 2003 – June 30, 2003]:

1. Performed second quarter groundwater monitoring and sampling.
2. Prepared second quarter groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER [July 1, 2003 – September 30, 2003]:

1. Perform third quarter groundwater monitoring and sampling.
2. Submit third quarter groundwater monitoring report.
3. Meet with Alameda County Health Care Services to discuss modifying the groundwater monitoring plan to include monitoring for bioremediation parameters.

Current Phase of Project:	Assessment	(Assessment, Remediation, etc.)
Frequency of Sampling:	Quarterly	(Quarterly, etc.)
Frequency of Monitoring:	Quarterly	(Monthly, etc.)
Liquid Phase Hydrocarbons Present On Site:	No	(Yes/No)
Cumulative PSH Recovered to Date:	Unknown	(Gallons)
PSH Recovered This Quarter:	None	(Gallons)
Purge Water Removed This Quarter:	Approximately 180 gallons	(Gallons)
Permits for Discharge:	None	(NDPES, POTW, etc)
Current Remediation Techniques:	None	(SVES, PSH Recovery)
Approximate Depth to Groundwater:	13.17 to 15.19	(Measured Feet)
Groundwater Gradient:	0.003 ft/ft	(Magnitude)
Groundwater Flow Direction:	Variable	(Direction)

Discussion: *On May 15, 2003, ATC Associates Inc. (ATC) personnel gauged 11 groundwater monitoring wells and one groundwater* extraction well (Figures 1 and 2). Depth to groundwater ranged between 13.17 (MW-13) to 15.19 (MW-2) feet below ground surface (bgs). MW-1A, MW-7 through MW-14, and extraction well EX-1 were not sampled. The wellheads of MW-8 through MW-11 remain inaccessible. The hydraulic gradient was calculated to be 0.003 foot per foot and varied across the site from the southwest to the northwest (Figure 2). No measurable liquid phase hydrocarbons (PSH) were recorded in any of the wells measured during the second quarter monitoring event. Groundwater elevations and contours are illustrated on Figure 2 and historic groundwater and PSH monitoring data are presented in Table 1.

On May 15, 2003, ATC collected groundwater samples from six monitoring wells. ATC utilized the attached purging and sampling procedures described in Appendix A to collect groundwater samples from MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6. Field logs are also included in Appendix A. Groundwater samples collected were analyzed for total petroleum hydrocarbons characterized as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and fuel oxygenates methyl tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butyl alcohol (TBA) by EPA Method 8260. TPHg concentrations were detected above the laboratory-reported method detection limit in groundwater samples collected from all of the six wells sampled. The highest TPHg, benzene, and MTBE concentrations reported were 24,000 (MW-2), 1,500 (MW-1), and 30 (MW-4) µg/L, respectively. TPHg, benzene, and MTBE concentrations are illustrated on Figure 2 and historic groundwater analytical results are presented in Tables 1 and 2. Hydrographs of groundwater elevations and analytical data are attached in Appendix B and laboratory analytical results and chain-of-custody documentation are attached in Appendix C.

Recommendations: Continue quarterly groundwater monitoring and sampling, revise the CAP, and perform a professional electromagnetic subsurface survey to locate the wellheads of MW-8 through MW-11.

Summary of Unusual Activity: None.

Agency Directive Requirements: Continue quarterly groundwater monitoring and sampling. Additonal directives may be issued after the Alameda County Health Care Services has had an opportunity to review actions taken by the State Water Resources Control Board Underground Storage Tank Cleanup Fund regarding the rejection of the CAP.

ATTACHED:

- Table 1 - Groundwater Elevations and Sample Analytical Results
- Table 2 - Groundwater Sample Analytical Results for Fuel Oxygenates
- Figure 1 - Vicinity Map
- Figure 2 - Groundwater Summary Map (May 15, 2003)
- Appendix A - ATC Groundwater Monitoring and Sampling Procedures, and Field Logs
- Appendix B - Hydrographs
- Appendix C - Laboratory Report and Chain-of-Custody Record

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1	2/5/92	41.75	20.82	20.93	0.00	46,000	7,600	2,300	2,400	6,500	--
(15'-29')	9/11/92	41.75	20.08	21.67	0.00	48,000	9,000	1,200	1,800	4,600	--
	12/22/92	41.75	19.79	21.96	0.00	84,000	22,000	1,600	4,800	17,000	--
	3/3/93	41.75	16.23	25.52	0.00	54,000	16,000	1,600	1,900	4,300	--
	6/23/93	41.75	16.86	24.89	0.00	30,000	18,000	1,100	1,400	3,700	--
	9/30/93	41.75	18.04	23.71	0.00	33,000	10,000	440	940	1,700	--
	2/6/94	41.75	18.15	23.60	0.00	64,000	18,000	1,600	4,700	12,000	--
	5/2/94	41.75	17.26	24.49	0.00	7,200	2,100	29	490	520	--
	7/1/94	41.75	17.60	24.15	0.00	13,000	3,700	150	550	12,000	--
	9/20/94	41.75	20.59	21.16	0.00	10,000	3,100	75	440	870	--
	12/5/94	41.75	17.83	23.92	0.00	8,700	3,700	87	520	950	--
	3/10/95	41.75	14.67	27.08	0.00	--	--	--	--	--	--
	3/15/95	41.75	14.43	27.32	0.00	290	56	2	12	47	--
	9/23/96	41.75	14.92	26.83	0.00	20,000	5,200	860	700	1,100	270
	12/4/96	41.75	15.61	26.14	0.00	17,000	3,100	64	610	1,200	280
	4/8/97[NP]	41.75	13.25	28.50	0.00	2,100	430	15	52	85	100
	6/30/97	41.75	14.68	27.07	0.00	10,000	2,100	<	<	320	<
	11/25/97	41.75	15.99	25.76	0.00	16,000	2,100	23	76	240	<
	6/1/98	41.75	9.98	31.77	0.00	19,000	6,100	430	1,100	2,300	420
	6/14/01	41.75	15.05	26.70	0.00	6,000	380	8.4	260	180	<25
	11/7/01[2]	41.75	16.31	25.44	0.00	12,000	1,000	30	1,000	740	11
	1/30/02	41.75	14.15	27.60	0.00	8,800	690	16	480	270	14
	5/29/02	41.75	14.55	27.20	0.00	6,400	330	13	250	260	12
	8/14/02	41.75	15.56	26.19	0.00	5,500	470	14	360	160	10
	11/15/02	41.75	16.10	25.65	0.00	10,000	440	16	310	150	15
	2/13/03	41.75	14.19	27.56	0.00	210	11	<0.5	2.8	1.9	0.8
	5/15/03	41.75	13.64	28.11	0.00	17,000	1,500	42	1,400	900	24
MW-1A	6/23/93	43.40	17.80	25.76	0.21	--	--	--	--	--	--
(unknown)	9/30/93	43.40	--	--	--	--	--	--	--	--	--
	2/6/94	43.40	18.89	24.51	0.00	8,900	1,700	42	1,000	400	--
	5/2/94	43.40	18.35	25.12	0.09	--	--	--	--	--	--
	7/1/94	43.40	18.45	24.95	0.00	12,000	1,100	<1	920	1,100	--
	9/20/94	43.40	21.72	21.85	0.22	--	--	--	--	--	--
	12/5/94	43.40	18.87	24.58	0.07	--	--	--	--	--	--
	3/10/95	43.40	15.83	27.57	0.00	--	--	--	--	--	--
	3/15/95	43.40	15.55	27.89	0.05	--	--	--	--	--	--
	9/23/96	43.40	16.00	27.41	0.01	--	--	--	--	--	--
	12/4/96	43.40	16.55	26.85	0.00	52,000	420	140	1,000	3,500	130
	4/8/97[NP]	43.40	14.15	29.25	SHEEN	--	--	--	--	--	--
	6/30/97	43.40	15.57	27.83	0.00	17,000	180	<	140	1,100	<
	11/25/97	43.40	16.91	26.49	0.00	19,000	110	37	290	910	<
	6/1/98	43.40	10.78	32.62	0.00	18,000	200	17	230	820	91
	6/14/01	43.40	15.93	27.48	0.01	27,000	29	<5.0	620	520	<50
	11/7/01[2]	43.40	17.32	26.08	0.00	21,000	51	<5.0	700	510	<5.0
	1/30/02	43.40	15.05	28.35	0.00	24,000	22	<5.0	390	330	<5.0
	5/29/02	43.40	15.49	27.91	0.00	12,000	32	<5.0	550	270	<5.0
	8/14/02	43.40	16.50	26.90	0.00	14,000	22	<2.0	510	240	<2.0
	11/15/02	43.40	17.04	26.36	0.00	17,000	59	2.4	630	250	<2.0
	2/13/03	43.40	15.08	28.32	0.00	17,000	45	1.5	790	240	<2.0
	5/15/03	43.40	14.55	28.85	0.00	--	--	--	--	--	--
MW-2	2/5/92	43.26	22.35	20.91	0.00	67,000	13,000	4,700	820	1,300	--
(15'-29')	9/11/92	43.26	21.67	21.59	0.00	57,000	9,000	1,400	1,200	8,400	--
	12/22/92	43.26	21.39	21.87	0.00	31,000	9,900	350	2,000	4,100	--
	3/3/93	43.26	17.75	25.51	0.00	17,000	5,100	1,300	720	1,900	--
	6/23/93	43.26	18.42	24.84	0.00	60,000	23,000	1,500	4,500	17,000	--
	9/30/93	43.26	19.63	23.63	0.00	38,000	12,000	780	1,500	6,500	--

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2	2/6/94	43.26	19.61	23.65	0.00	34,000	8,900	450	2,000	5,500	--
(15'-29')	5/2/94	43.26	19.84	23.42	0.00	18,000	3,800	260	1,100	3,500	--
(Cont.)	7/1/94	43.26	19.18	24.08	0.00	18,000	3,700	510	870	2,600	--
	9/20/94	43.26	22.17	21.09	0.00	19,000	4,500	300	1,200	4,000	--
	12/6/94	43.26	19.37	23.89	0.00	22,000	4,700	340	1,400	4,500	--
	3/10/95	43.26	16.33	26.93	0.00	--	--	--	--	--	--
	3/15/95	43.26	16.89	26.37	0.00	29,000	5,600	350	1,900	6,300	--
	9/23/96	43.26	16.61	26.65	0.00	29,000	3,700	150	1,000	4,300	860
	12/4/96	43.26	17.19	26.07	0.00	31,000	3,800	140	2,000	5,100	690
	4/8/97[NP]	43.26	14.86	28.40	0.00	20,000	2,500	80	1,300	3,400	880
	6/30/97	43.26	16.28	26.98	0.00	41,000	2,700	130	1,200	4,000	890
	11/25/97	43.26	17.56	25.70	0.00	51,000	2,900	140	1,800	7,000	1,200
	6/1/98	43.26	11.58	31.68	0.00	33,000	2,700	130	1,800	5,700	610
	6/14/01	43.26	16.63	26.63	0.00	18,000	860	14	1,100	2,200	<100
	11/7/01[2]	43.26	17.85	25.41	0.00	20,000	880	20	1,100	2,600	21
	1/30/02	43.26	15.65	27.61	0.00	19,000	880	19	1,100	2,400	56
	5/29/02	43.26	16.12	27.14	0.00	8,100	390	16	560	1,400	32
	8/14/02	43.26	17.20	26.06	0.00	19,000	820	21	1,200	2,600	29
	11/15/02	43.26	17.63	25.63	0.00	34,000	910	31	1,000	1,400	39
	2/13/03	43.26	15.73	27.53	0.00	19,000	550	<20	900	1,300	21
	5/15/03	43.26	15.19	28.07	0.00	24,000	850	22	1,600	3,000	26
MW-3	2/5/92	43.89	21.85	22.04	0.00	16,000	2,700	410	<1	3,400	--
(15'-29')	9/11/92	43.89	21.13	22.76	0.00	43,000	7,600	1,600	1,400	4,100	--
	12/22/92	43.89	20.88	23.01	0.00	29,000	8,800	1,200	1,500	3,700	--
	3/3/93	43.89	17.29	26.60	0.00	17,000	5,000	1,500	680	1,700	--
	6/23/93	43.89	17.88	26.01	0.00	5,700	3,000	120	560	790	--
	9/30/93	43.89	19.18	24.71	0.00	21,000	7,000	2,100	970	2,600	--
	2/6/94	43.89	19.21	24.68	0.00	24,000	7,200	1,600	990	3,200	--
	5/2/94	43.89	18.30	25.59	0.00	10,000	2,200	440	470	1,200	--
	7/1/94	43.89	18.63	25.26	0.00	8,200	2,000	370	350	930	--
	9/20/94	43.89	21.64	22.25	0.00	7,200	2,000	360	380	1,000	--
	12/6/94	43.89	19.15	24.74	0.00	9,000	2,300	400	440	1,100	--
	3/10/95	43.89	16.33	27.56	0.00	--	--	--	--	--	--
	3/15/95	43.89	16.89	27.00	0.00	4,300	980	47	370	780	--
	9/23/96	43.89	16.11	27.78	0.00	10,000	950	20	700	780	80
	12/4/96	43.89	16.63	27.26	0.00	13,000	1,100	25	1,000	1,100	67
	4/8/97[NP]	43.89	14.25	29.64	0.00	3,800	210	4.6	270	280	56
	6/30/97	43.89	15.70	28.19	0.00	3,500	280	<	32	180	<
	11/25/97	43.89	16.99	26.90	0.00	6,800	230	<	370	290	130
	6/1/98	43.89	--	--	--	--	--	--	--	--	--
	6/14/01	43.89	16.02	27.87	0.00	2,100	9	<0.5	78	43	<5.0
	11/7/01[2]	43.89	17.33	26.56	0.00	7,700	75	<5.0	410	150	<5.0
	1/30/02	43.89	15.10	28.79	0.00	3,600	27	<5.0	120	34	<5.0
	5/29/02	43.89	15.63	28.26	0.00	2,000	18	<5.0	53	13	<5.0
	8/14/02	43.89	16.63	27.26	0.00	2,400	19	<0.5	50	6.5	<0.5
	11/15/02	43.89	17.10	26.79	0.00	4,300	7.5	<0.5	22	1.1	0.5
	2/13/03	43.89	15.17	28.72	0.00	1,700	3.8	<0.5	29	3.8	<0.5
	5/15/03	43.89	14.65	29.24	0.00	4,700	12	<0.5	200	83	0.6
MW-4	2/5/92	42.76	21.31	21.45	0.00	16,000	2,700	410	<1	3,400	--
(15'-29')	9/11/92	42.76	20.62	22.14	0.00	43,000	7,600	1,600	1,400	4,100	--
	12/22/92	42.76	20.37	22.39	0.00	29,000	8,800	1,200	1,500	3,700	--
	3/3/93	42.76	16.78	25.98	0.00	17,000	5,000	1,500	680	1,700	--
	6/23/93	42.76	17.45	25.31	0.00	5,700	3,000	120	560	790	--
	9/30/93	42.76	18.64	24.12	0.00	21,000	7,000	2,100	970	2,600	--
	2/6/94	42.76	18.59	24.17	0.00	24,000	7,200	1,600	990	3,200	--
	5/2/94	42.76	17.81	24.95	0.00	10,000	2,200	440	470	1,200	--

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4	7/1/94	42.76	18.13	24.63	0.00	8,200	2,000	370	350	930	--
(15'-29')	9/20/94	42.76	21.13	21.63	0.00	7,200	2,000	360	380	1,000	--
(Cont.)	12/6/94	42.76	18.36	24.40	0.00	9,000	2,300	400	440	1,100	--
	3/10/95	42.76	15.25	27.51	0.00	--	--	--	--	--	--
	3/15/95	42.76	14.89	27.87	0.00	15,000	4,400	600	770	2,660	--
	9/23/96	42.76	15.56	27.20	0.00	32,000	7,400	540	1,500	2,800	2,100
	12/4/96	42.76	16.11	26.65	0.00	23,000	7,800	140	1,200	1,200	1,900
	4/8/97[NP]	42.76	13.73	29.03	0.00	16,000	3,900	680	850	2,300	980
	6/30/97	42.76	15.19	27.57	0.00	63,000	7,000	430	1,400	4,400	1,700
	11/25/97	42.76	16.49	26.27	0.00	30,000	4,300	61	810	1,500	880
	6/1/98	42.76	10.42	32.34	0.00	33,000	5,700	710	1,700	2,900	720
	6/14/01	42.76	15.55	27.21	0.00	9,500	690	45	560	600	<50
	11/7/01[2]	42.76	16.81	25.95	0.00	6,000	710	20	630	190	27
	1/30/02	42.76	14.60	28.16	0.00	4,800	830	16	600	61	42
	5/29/02	42.76	15.14	27.62	0.00	5,300	720	57	600	200	35
	8/14/02	42.76	16.07	26.69	0.00	5,000	640	15	550	35	28
	11/15/02	42.76	16.61	26.15	0.00	3,700	330	10	260	200	20
	2/13/03	42.76	14.68	28.08	0.00	4,500	390	12	330	31	22
	5/15/03	42.76	14.14	28.62	0.00	8,800	640	49	580	620	30
MW-5	2/5/92	42.10	20.93	21.17	0.00	78,000	7,900	5,000	2,900	1,800	--
(15'-29')	9/11/92	42.10	20.27	21.83	0.00	49,000	4,700	400	1,400	4,100	--
	12/22/92	42.10	19.99	22.11	0.00	34,000	8,600	340	2,200	4,800	--
	3/3/93	42.10	16.49	25.61	0.00	22,000	7,500	640	1,300	3,400	--
	6/23/93	42.10	17.02	25.08	0.00	15,000	5,800	120	1,100	2,100	--
	9/30/93	42.10	18.25	23.85	0.00	25,000	7,600	410	1,000	4,400	--
	2/6/94	42.10	18.26	23.84	0.00	23,000	6,000	180	2,000	5,900	--
	5/2/94	42.10	17.50	24.60	0.00	8,000	1,300	29	440	770	--
	7/1/94	42.10	17.79	24.31	0.00	10,000	1,700	97	600	1,400	--
	9/20/94	42.10	20.77	21.33	0.00	8,400	1,600	54	650	1,400	--
	12/5/94	42.10	18.02	24.08	0.00	10,000	1,800	<50	620	1,400	--
	3/10/95	42.10	14.93	27.17	0.00	--	--	--	--	--	--
	3/15/95	42.10	14.70	27.40	0.00	5,300	1,100	11	180	320	--
	9/23/96	42.10	15.19	26.91	0.00	9,800	1,800	11	470	510	100
	12/4/96	42.10	15.78	26.32	0.00	10,000	2,200	9	550	430	70
	4/8/97[NP]	42.10	13.39	28.71	0.00	11,000	1,300	15	450	720	180
	6/30/97	42.10	14.83	27.27	0.00	3,800	500	<	75	84	<
	11/25/97	42.10	16.14	25.96	0.00	8,200	1,300	14	310	220	<
	6/1/98	42.10	10.10	32.00	0.00	3,600	290	12	52	52	81
	6/14/01	42.10	15.19	26.91	0.00	5,100	44	0.71	110	23	<5.0
	11/7/01[2]	42.10	16.47	25.63	0.00	7,600	220	<5.0	550	30	<5.0
	1/30/02	42.10	14.27	27.83	0.00	6,200	180	<20	310	130	<20
	5/29/02	42.10	14.73	27.37	0.00	3,900	66	0.8	110	7.4	0.9
	8/14/02	42.10	15.73	26.37	0.00	4,300	80	0.9	150	12	1.1
	11/15/02	42.10	16.27	25.83	0.00	7,000	99	<5.0	250	500	<5.0
	2/13/03	42.10	14.34	27.76	0.00	5,900	130	<5.0	130	11	<5.0
	5/15/03	42.10	13.80	28.30	0.00	7,000	150	1.3	300	150	1.6
MW-6	2/5/92	42.33	21.29	21.04	0.00	51,000	5,400	3,500	3,600	10,000	--
(15'-29')	9/11/92	42.33	20.56	21.77	0.00	24,000	2,500	830	1,400	2,300	--
	12/22/92	42.33	20.31	22.02	0.00	23,000	5,100	630	2,000	3,100	--
	3/3/93	42.33	16.83	25.50	0.00	18,000	4,400	820	1,400	2,400	--
	6/23/93	42.33	17.30	25.03	0.00	18,000	4,600	850	2,700	3,400	--
	9/30/93	42.33	19.05	23.28	0.00	--	--	--	--	--	--
	2/6/94	42.33	18.55	23.78	0.00	20,000	4,600	690	2,100	2,500	--
	5/2/94	42.33	17.74	24.59	0.00	5,300	930	54	610	240	--
	7/1/94	42.33	18.09	24.24	0.00	10,000	1,500	160	850	690	--
	9/20/94	42.33	21.05	21.28	0.00	11,000	2,000	140	1,200	760	--

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-6	12/6/94	42.33	18.33	24.00	0.00	8,600	1,300	87	980	610	--
(15'-29')	3/10/95	42.33	15.35	26.98	0.00	--	--	--	--	--	--
(Cont.)	3/15/95	42.33	14.91	27.42	0.00	9,800	1,600	110	1,000	1,000	--
	9/23/96	42.33	15.50	26.83	0.00	12,000	520	55	930	350	51
	12/4/96	42.33	16.06	26.27	0.00	11,000	390	25	680	170	130
	4/8/97[NP]	42.33	13.64	28.69	0.00	17,000	700	92	1,400	900	2,700
	6/30/97	42.33	15.08	27.25	0.00	11,000	270	37	590	450	<
	11/25/97	42.33	16.40	25.93	0.00	9,100	130	26	500	150	310
	6/1/98	42.33	10.31	32.02	0.00	14,000	190	50	680	400	160
	6/14/01	42.33	15.46	26.87	0.00	6,400	29	6.3	200	55	<20
	11/7/01[2]	42.33	16.71	25.62	0.00	7,200	34	8.7	180	31	<5.0
	1/30/02	42.33	14.60	27.73	0.00	6,600	32	7.2	130	28	<5.0
	5/29/02	42.33	14.99	27.34	0.00	5,200	26	7.0	150	27	<5.0
	8/14/02	42.33	16.03	26.30	0.00	5,300	24	6.6	120	22	<2.0
	11/15/02	42.33	16.53	25.80	0.00	5,000	19	4.7	70	38	<0.5
	2/13/03	42.33	14.60	27.73	0.00	2,800	22	2.0	<0.5	21	0.9
	5/15/03	42.33	14.07	28.26	0.00	4,600	16	4.4	70	17	0.6
MW-7	6/23/93	42.70	17.87	24.83	0.00	29,000	4,200	71	4,400	5,600	--
(10'-29')	9/30/93	42.70	18.94	23.76	0.00	30,000	3,200	71	2,800	3,400	--
	2/6/94	42.70	19.11	23.64	0.06	--	--	--	--	--	--
	5/2/94	42.70	18.11	24.59	0.00	5,700	630	13	660	400	--
	7/1/94	42.70	18.72	23.98	0.00	3,100	180	99	160	520	--
	9/20/94	42.70	21.41	21.29	0.00	6,100	540	6	750	730	--
	12/5/94	42.70	18.66	24.04	0.00	3,700	280	<10	430	350	--
	3/10/95	42.70	15.72	26.98	0.00	3,900	310	<10	540	540	--
	3/14/95	42.70	15.23	27.47	0.00	1,900	290	4	26	296	--
	9/23/96	42.70	15.94	26.76	0.00	6,300	76	<	420	270	15
	12/4/96	42.70	16.43	26.27	0.00	7,800	67	<	600	350	22
	4/8/97[NP]	42.70	14.10	28.60	0.00	5,600	42	<	240	96	<
	6/30/97	42.70	15.51	27.19	0.00	5,500	<	79	<	44	280
	11/25/97	42.70	16.80	25.90	0.00	2,400	23	5.4	<	54	120
	6/1/98	42.70	10.31	32.39	0.00	14,000	190	50	680	400	160
	6/14/01	42.70	15.46	27.24	0.00	6,400	29	6	200	55	<20
	11/7/01[2]	42.70	--	--	--	--	--	--	--	--	--
	1/30/02	42.70	14.97	27.73	0.00	6,200	1.5	<0.5	96	4.6	<0.5
	5/29/02	42.70	15.49	27.21	0.00	1,600	1.0	<0.5	3.4	1.9	<0.5
	8/14/02	42.70	16.44	26.26	0.00	4,100	1.3	<0.5	74	1.3	<0.5
	11/15/02	42.70	16.91	25.79	0.00	1,000	0.6	<0.5	<0.5	0.6	<0.5
	2/13/03	42.70	14.99	27.71	0.00	1,500	0.8	<0.5	20	<0.5	<0.5
	5/15/03	42.70	14.47	28.23	0.00	--	--	--	--	--	--
MW-8*	6/23/93	97.61	17.64	79.97	0.00	350	43	9	35	67	--
(10'-29')	9/30/93	97.61	18.85	78.76	0.00	2,700	190	340	170	720	--
	2/6/94	97.61	18.91	78.70	0.00	<100	<1	1	1	2	--
	5/2/94	97.61	18.11	79.50	0.00	<100	<1	3	<1	7	--
	7/1/94	97.61	18.43	79.18	0.00	300	18	48	19	37	--
	9/20/94	97.61	21.43	76.18	0.00	<100	<1	<1	<1	<1	--
	12/5/94	97.61	18.72	78.89	0.00	<50	<0.5	<0.5	<0.5	<0.5	--
	3/10/95	97.61	18.69	78.92	0.00	--	--	--	--	--	--
	3/14/95	97.61	14.83	82.78	0.00	<50	<0.5	<0.5	<0.5	1	--
	9/23/96	97.61	15.83	81.78	0.00	<	<	<	<	<	<
					Not Sampled, well inaccessible since 4th Quarter, 1996.						
MW-9*	6/23/93	95.41	15.94	79.47	0.00	45,000	14,000	1,200	2,800	12,000	--
(10'-29')	9/30/93	95.41	17.05	78.36	0.00	86,000	22,000	1,100	3,300	15,000	--
	2/6/94	95.41	17.07	78.34	0.00	43,000	10,000	460	2,100	7,500	--
	5/2/94	95.41	16.24	79.17	0.00	17,000	5,400	270	1,300	4,700	--

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-9*	7/1/94	95.41	16.59	78.82	0.00	10,000	2,100	120	450	1,300	--
(10'-29')	9/20/94	95.41	19.61	75.80	0.00	7,500	2,200	97	400	1,200	--
(Cont.)	12/5/94	95.41	16.85	78.56	0.00	10,000	2,700	130	530	1,600	--
	3/10/95	95.41	--	--	--	--	--	--	--	--	--
	3/14/95	95.41	14.18	81.23	0.00	18,000	5,900	270	1,200	3,680	--
				Not Sampled, well inaccessible since 1st Quarter, 1995.							
MW-10*	6/23/93	97.11	17.39	79.72	0.00	35,000	980	640	3,500	12,000	--
(10'-29')	9/30/93	97.11	18.58	78.53	0.00	4,000	230	12	100	680	--
	2/6/94	97.11	18.61	78.50	0.00	2,000	69	12	220	120	--
	5/2/94	97.11	17.83	79.28	0.00	710	16	6	85	62	--
	7/1/94	97.11	18.17	78.94	0.00	2,000	52	43	120	210	--
	9/20/94	97.11	21.15	75.96	0.00	2,800	34	16	270	560	--
	12/5/94	97.11	18.43	78.68	0.00	2,700	30	13	260	430	--
	3/10/95	97.11	15.37	81.74	0.00	--	--	--	--	--	--
	3/14/95	97.11	15.93	81.18	0.00	1,400	18	6	200	239	--
	9/23/96	97.11	15.59	81.52	0.00	3,800	4	2.9	220	170	397
	12/4/96	97.11	16.15	80.96	0.00	4,600	1.6	7.7	260	150	20
				Not Sampled, well inaccessible since 4th Quarter, 1996.							
MW-11*	2/10/95	92.68	11.80	80.88	0.00	7,000	140	22	600	1,000	--
(5'-25')	3/10/95	92.68	11.58	81.10	0.00	--	--	--	--	--	--
	3/14/95	92.68	13.96	78.72	0.00	6,000	200	17	750	1,276	--
	9/23/96	92.68	12.29	80.39	0.00	27,000	55	81	300	3,500	40
	12/4/96	92.68	--	--	--	--	--	--	--	--	--
	4/8/97	92.68	10.51	82.17	0.00	24,000	280	130	3,000	3,700	<
				Not Sampled, well inaccessible since 2nd Quarter, 1997.							
MW-12	2/10/95	43.25	16.30	26.95	0.00	<50	<0.5	<0.5	<0.5	<0.5	--
(10'-30')	3/10/95	43.25	16.37	26.88	0.00	--	--	--	--	--	--
	3/14/95	43.25	15.69	27.56	0.00	<50	<0.5	<0.5	<0.5	0.9	--
	9/23/96	43.25	16.67	26.58	0.00	<	<	1.6	<	<	<
	12/4/96	43.25	17.16	26.09	0.00	<	3.2	<	1.9	3.4	<
	4/8/97[NP]	43.25	14.88	28.37	0.00	<	<	<	<	<	<
	6/30/97	43.25	16.33	26.92	0.00	--	--	--	--	--	--
	11/25/97	43.25	17.61	25.64	0.00	--	--	--	--	--	--
	6/1/98	43.25	11.58	31.67	0.00	--	--	--	--	--	--
	6/14/01	43.25	16.62	26.63	0.00	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/7/01[2]	43.25	17.91	25.34	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/02	43.25	15.60	27.65	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/29/02	43.25	16.24	27.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	8/14/02	43.25	17.20	26.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/02	43.25	17.62	25.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/03	43.25	15.67	27.58	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/15/03	43.25	15.17	28.08	0.00	--	--	--	--	--	--
MW-13	2/10/95	40.97	14.45	26.52	0.00	<50	<0.5	<0.5	<0.5	<0.5	--
(10'-30')	3/10/95	40.97	14.30	26.67	0.00	--	--	--	--	--	--
	3/14/95	40.97	15.81	25.16	0.00	<50	<0.5	<0.5	<0.5	1	--
	9/23/96	40.97	14.60	26.37	0.00	<	<	0.80	1	<	<
	12/4/96	40.97	--	--	--	--	--	--	--	--	--
	4/8/97[NP]	40.97	12.75	28.22	0.00	<	<	<	<	<	<
	6/30/97	40.97	14.13	26.84	0.00	--	--	--	--	--	--
	11/25/97	40.97	15.48	25.49	0.00	--	--	--	--	--	--
	6/1/98	40.97	9.58	31.39	0.00	--	--	--	--	--	--
	6/14/01	40.97	14.51	26.46	0.00	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/7/01[2]	40.97	15.85	25.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Elevations and Sample Analytical Results
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TOC (feet)	DTW (feet)	GWE[1] (feet)	PSH (feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-13	1/30/02	40.97	13.65	27.32	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
(10'-30')	5/29/02	40.97	14.10	26.87	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
(Cont.)	8/14/02	40.97	15.13	25.84	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/02	40.97	--	--	--	--	--	--	--	--	--
	2/13/03	40.97	Not sampled, vehicle parked over well								
	5/15/03	40.97	13.17	27.80	0.00	--	--	--	--	--	--
MW-14	2/10/95	43.19	16.28	26.91	0.00	12,000	42	8	740	2,100	--
(10'-30')	3/10/95	43.19	16.33	26.86	0.00	--	--	--	--	--	--
	3/14/95	43.19	14.87	28.32	0.00	1,400	6	2	36	298	--
	9/23/96	43.19	16.67	26.52	0.00	6,400	2.8	<	690	96	9.6
	12/4/96	43.19	17.06	26.13	0.00	9,500	6.3	<	1,100	400	30
	4/8/97[NP]	43.19	14.77	28.42	0.00	2,900	<	2.7	220	21	<
	6/30/97	43.19	16.22	26.97	0.00	74	1.3	<	0.51	0.68	<
	11/25/97	43.19	17.52	25.67	0.00	<	<	<	<	<	<
	6/1/98	43.19	11.46	31.73	0.00	<50	<0.5	<0.5	<0.5	<0.5	<5
	6/14/01	43.19	16.53	26.66	0.00	470	<0.5	<0.5	2.8	1	<5
	11/7/01[2]	43.19	17.84	25.35	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/02	43.19	15.55	27.64	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/29/02	43.19	16.14	27.05	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	8/14/02	43.19	17.12	26.07	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/02	43.19	17.56	25.63	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/03	43.19	15.69	27.50	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/15/03	43.19	15.07	28.12	0.00	--	--	--	--	--	--
EX-1	8/14/02	--	16.58	--	0.00	250	31	<0.5	<0.5	4.2	1.4
(10'-35')	11/15/02	--	17.02	--	0.00	67	4.1	<0.5	<0.5	<0.5	0.7
	2/13/03	--	15.10	--	0.00	<50	1.3	<0.5	<0.5	<0.5	0.8
	5/15/03	--	14.57	--	0.00	--	--	--	--	--	--

Notes. No known groundwater monitoring or sampling was conducted between June 1, 1998 and June 14, 2001 and June 14, 2001 and November 7, 2001. Wellhead elevations resurveyed on January 30, 2002.

TOC = Top of casing referenced to USGS benchmark [elevation = 48.50 feet above mean sea level].
DTW = Depth to water measured from top of casing.
GWE = Groundwater elevation as referenced to benchmark in feet above mean sea level.
TPHg = Total Petroleum Hydrocarbons as gasoline (EPA Method 8015).
B = Benzene (EPA Method 602 or 8020/1).
T = Toluene (EPA Method 602 or 8020/1).
E = Ethylbenzene (EPA Method 602 or 8020/1).
X = Total Xylenes (EPA Method 602 or 8020/1).
MTBE = Methyl t-Butyl Ether (EPA Method 8020 or 8021).
SHEEN = Discontinuous, non-measurable thickness of PSH.
PSH = Phase Separate Hydrocarbon thickness in feet.
µg/L = Micrograms per liter (~parts per billion).
(15'-29') = Well screen interval (in feet)
< = Sample reported as "not detected," in previous tables, reporting limit not known.
[NP] = No-purge sample collection method implemented and continued, beginning April 8, 1997..
[1] = If PSH present, corrected GWE = TOC - Measured DTW + Corrected PSH Thickness (PSH Thickness x gas density [0.75 g/cc]).
[2] = All analysis performed by EPA Method 8260 beginning on November 7, 2001.
* = Wellhead elevation not re-surveyed on January 30, 2002. Previous arbitrary benchmark used as elevation reference.
-- = Not measured, surveyed, sampled, or analyzed.

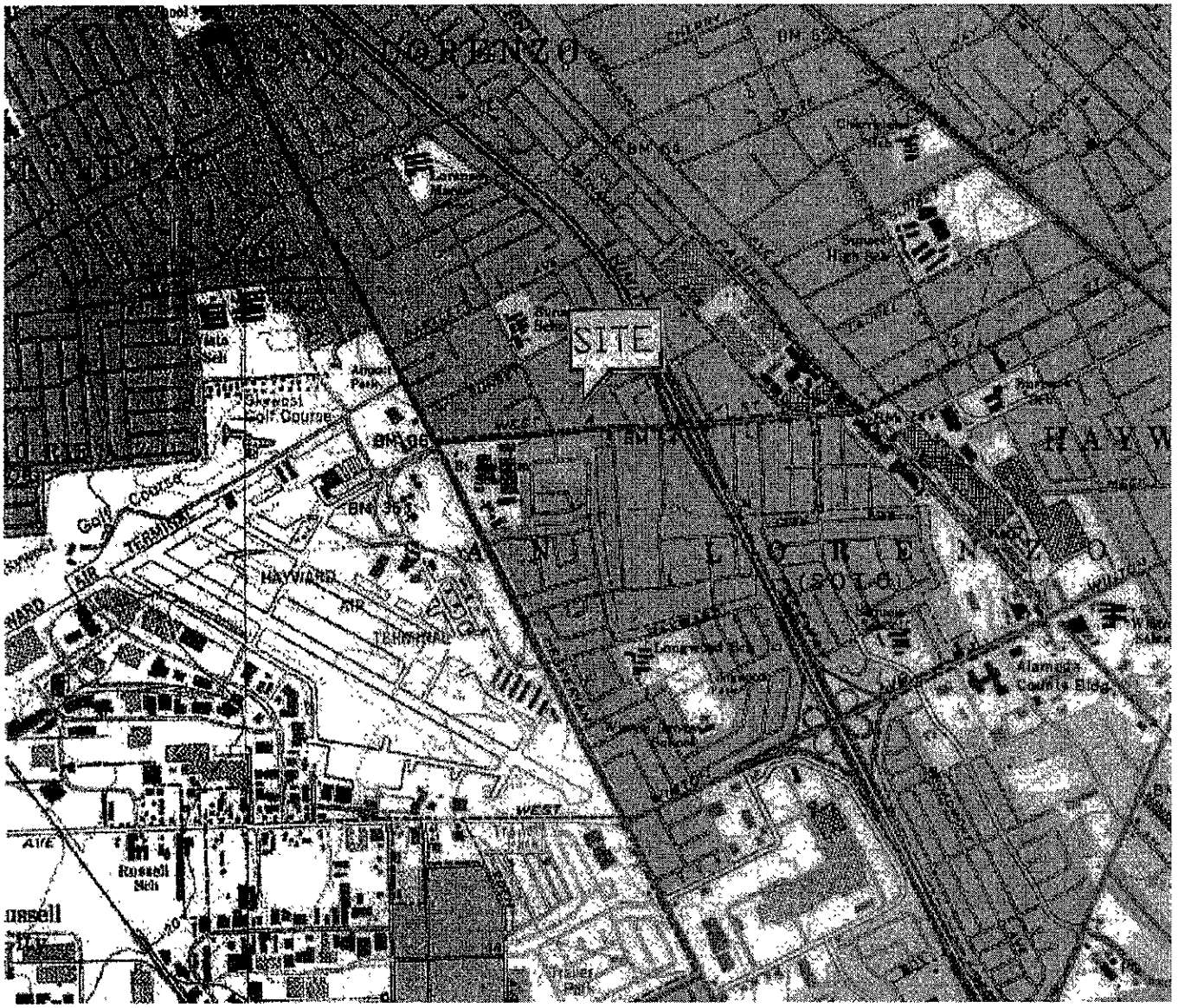
Table 2
Groundwater Sample Analytical Results for Fuel Oxygenates
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	MTBE (µg/L)
MW-1	11/7/01	<5.0	<50	<5.0	<5.0	11
(15'-29')	1/30/02	<5.0	<50	<5.0	<5.0	14
	5/29/02	<2.0	<20	2.5	<2.0	12
	8/14/02	<10	<100	<10	<10	10
	11/15/02	<10	<100	<10	<10	15
	2/13/03	<0.5	<5.0	<0.5	<0.5	0.8
	5/15/03	<20	<200	<20	<20	24
MW-1A	11/7/01	<5.0	<50	<5.0	<5.0	<5.0
(unknown)	1/30/02	<5.0	<50	<5.0	<5.0	<5.0
	5/29/02	<5.0	<50	<5.0	<5.0	<5.0
	8/14/02	<2.0	<20	<2.0	<2.0	<2.0
	11/15/02	<2.0	<20	<2.0	<2.0	<2.0
	2/13/03	<2.0	<20	<2.0	<2.0	<2.0
	5/15/03	--	--	--	--	--
MW-2	11/7/01	<5.0	<50	<5.0	<5.0	21
(15'-29')	1/30/02	<5.0	<50	<5.0	<5.0	56
	5/29/02	<5.0	<50	<5.0	<5.0	32
	8/14/02	<20	<200	<20	<20	29
	11/15/02	<20	<200	<20	<20	39
	2/13/03	<20	<200	<20	<20	21
	5/15/03	<20	<200	<20	<20	26
MW-3	11/7/01	<5.0	<50	<5.0	<5.0	<5.0
(15'-29')	1/30/02	<5.0	<50	<5.0	<5.0	<5.0
	5/29/02	<5.0	<50	<5.0	<5.0	<5.0
	8/14/02	<0.5	<5.0	<0.5	<0.5	<0.5
	11/15/02	<0.5	<5.0	<0.5	<0.5	0.5
	2/13/03	<0.5	<5.0	<0.5	<0.5	<0.5
	5/15/03	<0.5	<5.0	<0.5	<0.5	0.6
MW-4	11/7/01	<5.0	<50	<5.0	<5.0	27
(15'-29')	1/30/02	<5.0	<50	<5.0	<5.0	42
	5/29/02	<20	<200	<20	<20	35
	8/14/02	<2.0	<20	<2.0	<2.0	28
	11/15/02	<2.0	<20	<2.0	<2.0	20
	2/13/03	<2.0	<20	<2.0	<2.0	22
	5/15/03	<2.0	<20	<2.0	<2.0	30
MW-5	11/7/01	<5.0	<50	<5.0	<5.0	<5.0
(15'-29')	1/30/02	<20	<200	<20	<20	<20
	5/29/02	<0.5	<5.0	2.0	<0.5	0.9
	8/14/02	<0.5	<5.0	<0.5	<0.5	1.1
	11/15/02	<5.0	<50	<5.0	<5.0	<5.0
	2/13/03	<5.0	<50	<5.0	<5.0	<5.0
	5/15/03	<0.5	<5.0	<0.5	<0.5	1.6
MW-6	11/7/01	<5.0	<50	<5.0	<5.0	<5.0
(15'-29')	1/30/02	<5.0	<50	<5.0	<5.0	<5.0
	5/29/02	<5.0	<50	<5.0	<5.0	<5.0
	8/14/02	<2.0	<20	<2.0	<2.0	<2.0
	11/15/02	<0.5	<5.0	<0.5	<0.5	<0.5
	2/13/03	<0.5	<5.0	<0.5	<0.5	0.9
	5/15/03	<0.5	<5.0	<0.5	<0.5	0.6

Table 2
Groundwater Sample Analytical Results for Fuel Oxygenates
Former E-Z Serve Location No. 100877
525 West 'A' Street, Hayward, California

Well No.	Sampling Date	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	MTBE (µg/L)
MW-7	11/7/01	--	--	--	--	--
(10'-29')	1/30/02	<5.0	<50	<5.0	<5.0	<5.0
	5/29/02	<0.5	<5.0	<0.5	<0.5	<0.5
	8/14/02	<0.5	<5.0	<0.5	<0.5	<0.5
	11/15/02	<0.5	<5.0	<0.5	<0.5	<0.5
	2/13/03	<0.5	<5.0	<0.5	<0.5	<0.5
	5/15/03	--	--	--	--	--
MW-12	11/7/01	<0.5	<5.0	<0.5	<0.5	<0.5
(10'-30')	1/30/02	<0.5	<5.0	<0.5	<0.5	<0.5
	5/29/02	<0.5	<5.0	<0.5	<0.5	<0.5
	8/14/02	<0.5	<5.0	<0.5	<0.5	<0.5
	11/15/02	<0.5	<5.0	<0.5	<0.5	<0.5
	2/13/03	<0.5	<5.0	<0.5	<0.5	<0.5
	5/15/03	--	--	--	--	--
MW-13	11/7/01	<0.5	<5.0	<0.5	<0.5	<0.5
(10'-30')	1/30/02	<0.5	<5.0	<0.5	<0.5	<0.5
	5/29/02	<0.5	<5.0	<0.5	<0.5	<0.5
	8/14/02	<0.5	<5.0	<0.5	<0.5	<0.5
	11/15/02	--	--	--	--	--
	2/13/03	Not sampled, vehicle parked over well				
	5/15/03	--	--	--	--	--
MW-14	11/7/01	<0.5	<5.0	<0.5	<0.5	<0.5
(10'-30')	1/30/02	<0.5	<5.0	<0.5	<0.5	<0.5
	5/29/02	<0.5	<5.0	<0.5	<0.5	<0.5
	8/14/02	<0.5	<5.0	<0.5	<0.5	<0.5
	11/15/02	<0.5	<5.0	<0.5	<0.5	<0.5
	2/13/03	<0.5	<5.0	<0.5	<0.5	<0.5
	5/15/03	--	--	--	--	--
EX-1	8/14/02	<0.5	<5.0	<0.5	<0.5	1.4
(10'-30')	11/15/02	<0.5	<5.0	<0.5	<0.5	0.7
	2/13/03	<0.5	<5.0	<0.5	<0.5	0.8
	5/15/03	--	--	--	--	--

Notes: Analytical results performed by utilizing EPA Method 8260.
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-Butyl Ether
MTBE = Methyl-tert-Butyl Ether (See Table 1 for historic results)
TAME = tert-Amyl Methyl Ether
TBA = tert-Butanol
µg/L = micrograms per liter (~parts per billion)
(15'-29') = Well screen interval (in feet)
< = Analytical results below the given PQL.
-- = Not sampled or analyzed.



REFERENCE: MAPTECH TERRAIN NAVIGATOR 2001, CALIFORNIA.

N

0 2000" 4000"

1 INCH ≈ 2000 FEET

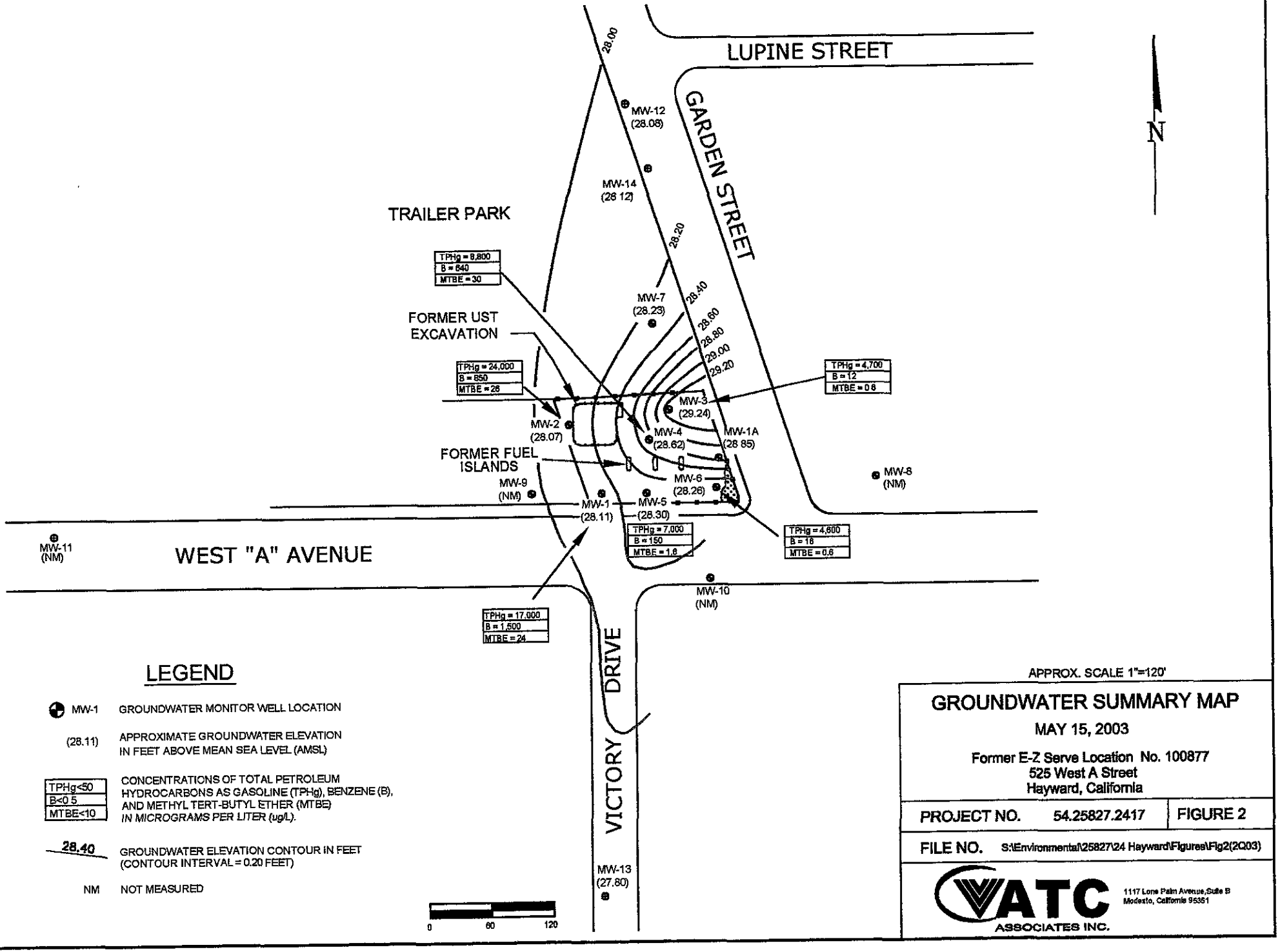
VICINITY MAP

Former E-Z Serve Location No. 100877
525 West A Street
Hayward, California

PROJECT NO. 54.25827.2417 | FIGURE 1

FILE NO. S:\Environmental\25827\Hayward\Figures\Figure 1

VATC ASSOCIATES INC.
1117 Lone Palm Avenue
Modesto, California 95351



LEGEND

- MW-1 — GROUNDWATER MONITOR WELL LOCATION
- (28.11) — APPROXIMATE GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL)
- TPHg<50 / B<0.5 / MTBE<10 — CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg), BENZENE (B), AND METHYL TERT-BUTYL ETHER (MTBE) *IN MICROGRAMS PER LITER (ug/L).*
- 28.40 — GROUNDWATER ELEVATION CONTOUR IN FEET (CONTOUR INTERVAL = 0.20 FEET)
- NM — NOT MEASURED

APPROX. SCALE 1"=120'

GROUNDWATER SUMMARY MAP

MAY 15, 2003

Former E-Z Serve Location No. 100877
525 West A Street
Hayward, California

PROJECT NO. 54.25827.2417 | FIGURE 2

FILE NO. S:\Environmental\25827\24 Hayward\Figures\Fig2(2Q03)

VATC ASSOCIATES INC.
1117 Lone Palm Avenue, Suite B
Modesto, California 95351

APPENDICES

STANDARD OPERATING PROCEDURE
GROUNDWATER MONITOR WELL PURGING AND SAMPLING
(Includes No-Purge Sampling)

Prior to purging the well, the static water level was measured using an electronic interface probe to evaluate the presence of any phase-separated hydrocarbons. The measurements were obtained from a reference point on the north side of the top of the well casing. Fluid measurements were recorded to the nearest 0.01-foot. Depth to groundwater was measured from all site wells on the same day. The total depth of the well was also recorded. If phase separated hydrocarbons are noted, a measurement of the apparent thickness was be obtained and the well was not be sampled. To prevent cross-contamination, all monitoring equipment that is in contact with groundwater was washed with Alconox® detergent and rinsed with distilled water prior to use in each well.

If well purging was required before collecting a water sample, both the static groundwater level and total depth of the well were used to calculate the volume of water in the well. Based on this data, if free floating hydrocarbons are not present, a minimum of three well volumes of water were purged from the well using a 2-inch Grundfos® submersible pump or a PVC bailer. Periodic measurements (at approximate 5-gallon intervals) of temperature, pH, and specific electrical conductivity were collected during purging. When three successive stabilized readings were obtained, the well was sampled. If the well is low yielding and is pumped or bailed dry, the well was allowed to recover at least 80% of the static groundwater level. If the well does not recover 80% within a 24-hour time frame, a sample was collected and recovery noted on the Groundwater Sampling Log. To prevent cross-contamination, equipment was washed with Alconox® detergent and rinsed with distilled water prior to use in the well. Groundwater purged from the well was stored on-site in 55-gallon drums pending proper disposition. If no purging before collecting the water samples was required, then the above purging steps were skipped.

Groundwater samples were collected from the well using a disposable polyethylene bailer. Each sample was collected in laboratory-preserved 1-liter glass bottles and in 40-milliliter volatile organic analysis (VOA) vials. Each vial was filled completely with sample and preservatives to eliminate headspace and create a positive meniscus. The vial was capped with convex Teflon® septa. Each vial was observed to ensure that no air bubbles are present within the vial. Samples were marked for identification, placed on ice, and transported to a State-certified laboratory for analysis. Chain-of-custody records were maintained and accompany all samples to the analytical laboratory.

FIELD REPORT/DATA SHEET

Date: 5.15.03

Day: M Tu W (Th) F

Project Number: 54.25827.2417

Field Technician: P. Arroyo

DTW Order	Well ID	Diam.	Lock	Exp. Cap	Total Depth	DTW Initial	DTW Final	Time Sampled	Comments
	MW-1	4"	Good	Good	30.00	13.64	13.64	1040	
	MW-1A	2"			29.00	14.55	[illegible]	[illegible] NS	
	MW-2	4"			30.10	15.19	1588	1025	
	MW-3	4"			30.00	14.65	14.65	1000	
	MW-4	4"			30.00	14.14	14.14	1145	
	MW-5	4"			30.30	13.80	13.80	1105	
	MW-6	4"			29.80	14.07	14.07	1125	New Well Cap.
	MW-7	2"			28.40	14.47	14.47	NS	
	MW-12	2"			29.60	15.17	15.17	NS	New Well Cap.
	MW-14	2"			30.00	15.07	15.07	NS	
NOTES:	EX-1	6"	↓	↓	35.50	14.57	14.57	NS	
	MW-13	2"			29.70	13.17	13.17	NS	

Number of Drums Onsite

Full	Empty	TOTAL
3	~~0~~	

Estimated Value: _____

ARE ALL DRUMS LABELLED WITH THE LABELS FACING OUT

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z Serve
Address: 525 West A St. Hayward, CA
Well Number: MW-1
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	30.00	-	13.64	=	16.36	X	0.66	=	10.79
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other _____

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1030	7.5	1077	19.1	Cloudy
1	10.0	1032	7.3	1107	18.3	Clear
2	20.0	1034	7.2	1039	18.8	↓
3	30.0	1036	7.2	1087	18.6	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	13.64	
(P) After Purging	16.50	
P - 0.8 (P-I) =	14.21	80% Recovery
(S) Before Sampling	13.64	
(P-S) / (P-I) X 100 =	100	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1040 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil Ø Water pump through treatment system _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z SERVE
Address: 525 West A St.
Hayward, CA
Well Number: MW-2
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

WELL VOLUME CALCULATION

Screened at

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	30.10	-	15.19	=	14.91	X	0.66	=	9.84
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1006	7.8	1045	19.1	Turbid
1	10.0	1009	7.6	1037	18.7	CLEAR
2	20.0	1012	7.5	1058	18.9	↓
3	30.0	1016	7.5	1054	18.4	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
Fast
(Medium)
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	15.19
(P) After Purging	18.65
P - 0.8 (P-I) =	15.88 80% Recovery
(S) Before Sampling	15.88
(P-S) / (P-I) X 100 =	80 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1025 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water Soil Ø Water pump through treatment system

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z SERVE
Address: 525 West A St. Hayward, CA
Well Number: MW-3
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	30.00	-	14.65	=	15.35	X	0.66	=	10.13
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other _____

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	0946	8.3	1269	19.8	CLEAR
1	10.0	0948	8.2	1115	19.4	↓
2	20.0	0950	8.0	1059	19.2	
3	30.0	0953	7.8	1061	19.2	
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	14.65
(P) After Purging	17.70
P - 0.8 (P-I) =	15.26 80% Recovery
(S) Before Sampling	14.65
(P-S) / (P-I) X 100 =	100 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1000 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil Ø Water pump through treatment system _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z SERVE
Address: 525 West A St.
Hayward, CA
Well Number: MW-4
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

WELL VOLUME CALCULATION

Screened at

Well Casing Diameter (In.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	30.00	-	14.14	=	15.86	X	0.66	=	10.46
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1130	7.2	1065	19.1	CLEAR
1	10.0	1132	7.1	1050	18.3	↓
2	20.0	1134	7.1	1067	18.7	↓
3	30.0	1136	7.1	1053	18.3	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate:
(Fast)
Medium
Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	14.14	
(P) After Purging	17.80	
P - 0.8 (P-I) =	14.87	80% Recovery
(S) Before Sampling	14.14	
(P-S) / (P-I) X 100 =	100	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1145 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water Soil Ø Water pump through treatment system

Remarks:

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z Serve
Address: 525 West A St. Hayward, CA
Well Number: MW-5
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

WELL VOLUME CALCULATION

Screened at _____

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	30.30	-	13.80	=	16.50	X	0.66	=	10.89
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other _____

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1048	7.2	1105	18.5	CLEAR
1	10.0	1050	7.1	1143	18.6	↓
2	20.0	1052	7.1	1157	18.7	↓
3	30.0	1054	7.0	1129	18.7	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: (Fast) Medium Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)
(I) Initially	13.80
(P) After Purging	16.00
P - 0.8 (P-I) =	14.24 80% Recovery
(S) Before Sampling	13.80
(P-S) / (P-I) X 100 =	100 % Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1105 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil Ø Water pump through treatment system _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: Former E-Z SERVE
Address: 525 West A St. Hayward, CA
Well Number: MW-6
Development/Purge/Sampler(s): P. Arroyo

Project Number: 54.25827.2417
Date: 5.15.03
Well Lock Number:
Well Integrity: Good
Ambient Conditions: Cloudy

Pre-Purge DO (mg/L) N/A

Screened at _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
3		-		=		X	0.38	=	
(4)	29.80	-	14.07	=	15.73	X	0.66	=	10.38
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): None Sheen/Iridescence: None Odor: YES

GROUNDWATER PURGING PURGE METHOD

Stainless Steel Bailer; Submersible Pump; Air Diaphragm Pump; (Honda Pump); Other _____

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity (µs/umhos)	Temp. (°C)	Color/Turbidity (other)
0	0	1110	7.2	1132	17.7	Turbid
1	10.0	1113	7.2	1155	18.1	CLEAR
2	20.0	1116	7.1	1160	19.0	↓
3	30.0	1118	7.0	1137	18.6	↓
4						
5						
6						
7						
8						
9						
10						

Recovery Rate: (Fast) Medium Slow

GROUNDWATER SAMPLING

Sampling Equipment: Disposable Bailer

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	14.07	
(P) After Purging	15.00	
P - 0.8 (P-I) =	14.25	80% Recovery
(S) Before Sampling	14.07	
(P-S) / (P-I) X 100 =	100	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (L), amber glass		
40 ml VOA	3	HCL
500 ml polypropylene		
Trip Blank		

Sample Date/Time: 5.15.03 / 1125 Turbidity (NTU): N/A

Calibrate Date/Time: 5.15.03 EH (MEV): N/A

PURGED WATER CONTAINMENT

Total drums at site: Water _____ Soil Ø Water pump through treatment system _____

Remarks: New Well Cap.

ATC ASSOCIATES INC.

DAILY FIELD ACTIVITY LOG

PROJECT NAME: E-Z SERVE HAYWARD
PROJECT NO: 54.25827.2417
FIELD ACTIVITY SUBJECT: Water Sampling
DATE: 5.15.03
WEATHER: Cloudy
PAGE 1 OF 1
SPECIAL NOTE:
LOGGED BY: P. Arroyo

TIME	ACTIVITY
0900	Arrive on site, open all wells, took Total Depth &
	Depth to water in all wells.
0945	Purge MW-3, Sampled (1000)
1005	Purge MW-2, Sampled (1025)
1030	Purge MW-1, Sampled (1040)
1045	Purge MW-5, Sampled (1105)
1110	Purge MW-6, Sampled (1125)
1130	Purge MW-4, Sampled (1145)
	Used Honda pump to purge all wells.
	Install New well Cap. MW-6, MW-12
	3 Drums on site, sealed & labled.

ADDITIONAL COMMENTS.

ATC ASSOCIATES INC.
6602 Owens Drive, Suite 100
Pleasanton, CA 94588
Main Line: (925) 460-5300
Facsimile: (925) 463-2559

CHAIN OF CUSTODY FORM

Turnaround Time: (working days) __ 10 day, __ 3 day, __ 2-8 hr, X 7 day, __ 2 day, __ other, __ 5 day, __ 24 hr ( )

Project Name: Former C-Z Serve   Client:
Project Number: 54.25827.2417   Task: 75004
Global I.D.:
Project Address: 525 West A Street Hayward, CA
Laboratory: Zymax   Contact: (805) 544-4696
Lab Address/Phone: 71 Zaca lane San Luis Obispo, CA
ATC Project Manager: Jenne Homsey
ATC PM Ph. No.: ~~(925) 225~~ (209) 577-2221   Email: Homsey 54 @atc-enviro.com
ATC Sampler: P. Arroyo   Phone: (925) 225-7713

Analyses Requested

ATC Sample ID	Sample Information: Date	Time	Matrix: Soil	Matrix: Water	Matrix: Vapor	Container Information: No.	Type	Preservative	Field Pt. I.D. - Check if same as Sample I.D.	TPHg/BTEX/MTBE (8015M/8021)	Confirm MTBE by GC/MS	Fuel Oxygenates (8260B)	TPHd (8015M)	HVOCs (8010)	SVOC's (8270)	VOCs (8260)	PP Metals (low detect) (7000/6010)	Cyanide, Total (335.2)	TPHg/BTEX/MTBE (8015M/8260B)	TPHg/BTEX/5 Fuel Oxys (8260B)	TPHg/BTEX/5 Fuel Oxys/1,2 DCA & EDB (8260B)			
MW-1	5.15.03	1040		X		3	VOA	HCL												X				
MW-2	↓	1025		X		↓	↓	↓												X				
MW-3	↓	1000		X		↓	↓	↓												X				
MW-4	↓	1145		X		↓	↓	↓												X				
MW-5	↓	1105		X		↓	↓	↓												X				
MW-6	↓	1125		X		↓	↓	↓												X				

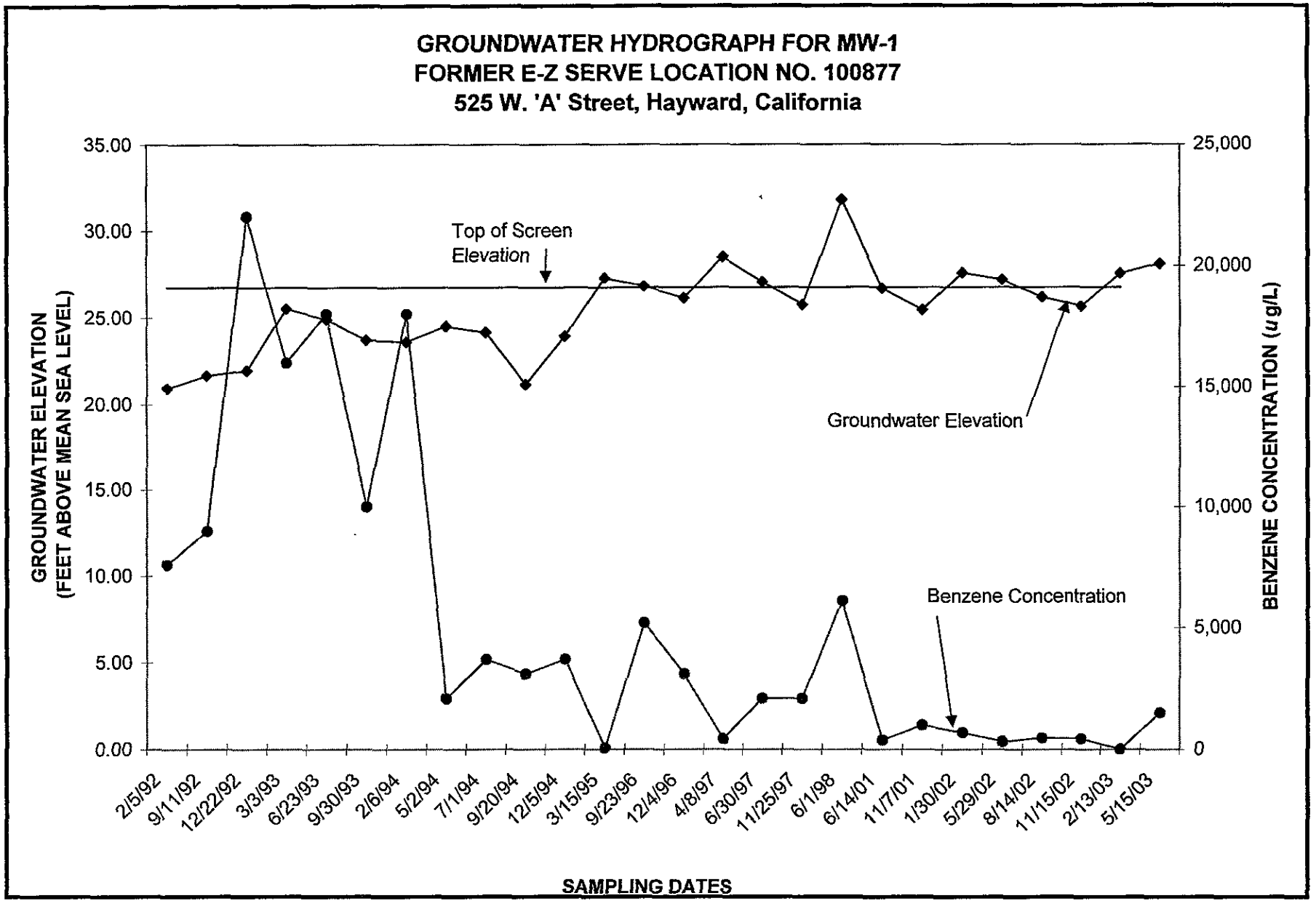
Additional Comments: EDF FORMAT

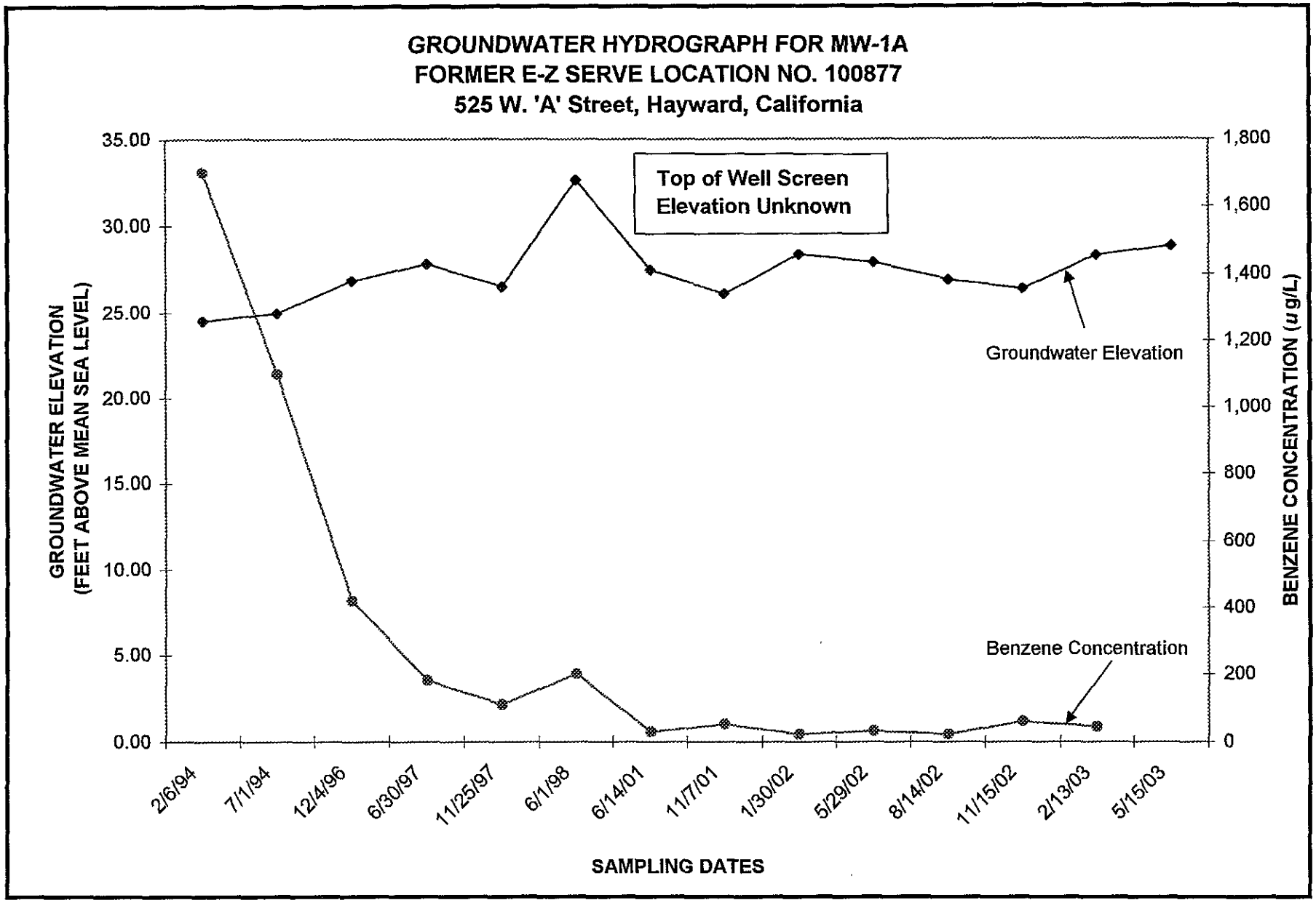
EDF Format [X]

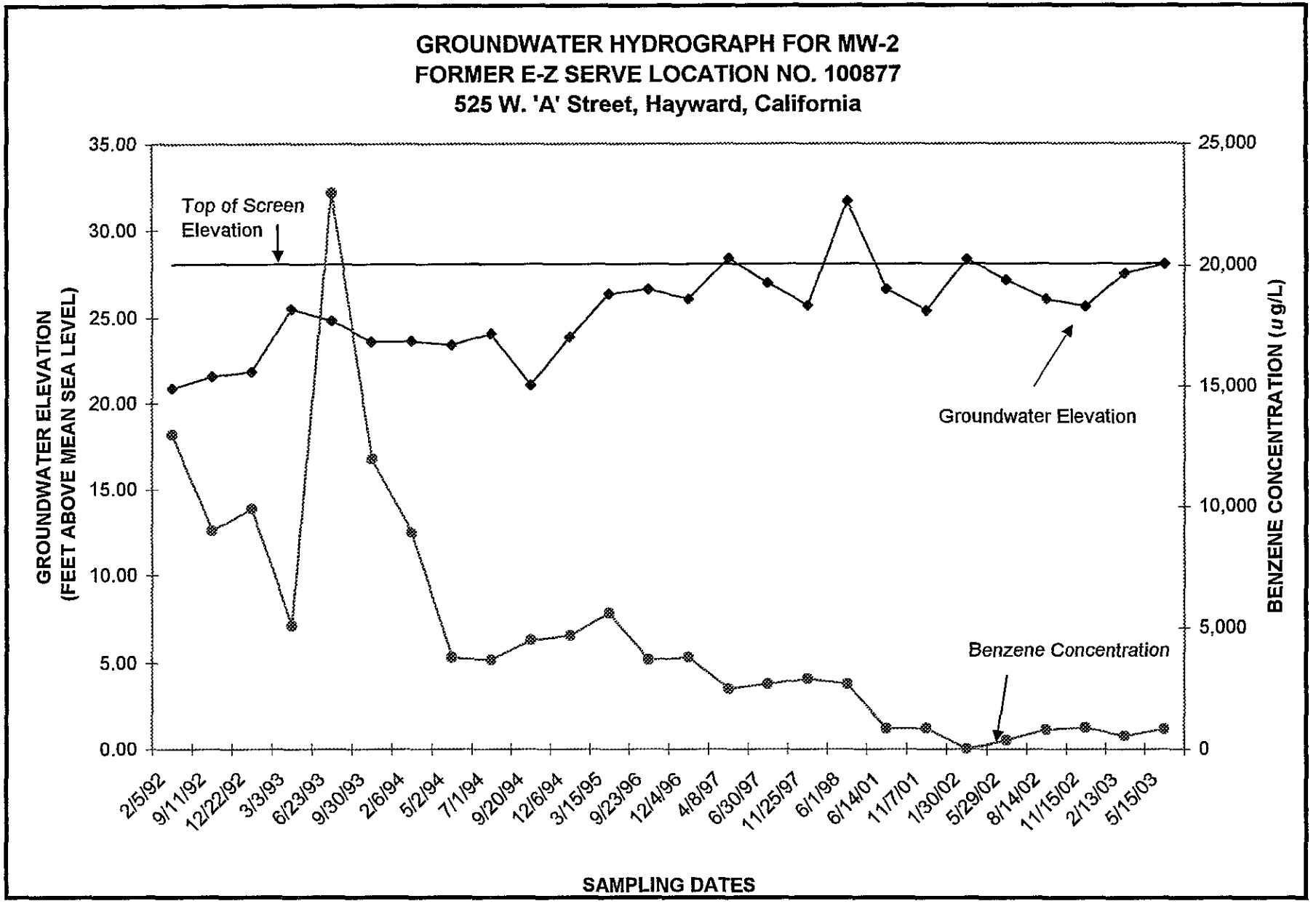
Relinquished By:	[signature]	Date/Time: 5/16/03 - 10:45 am	Received By:	Jim Akers / Zymax	Date/Time:	5/16/03 - 1045 hr
Relinquished By:		Date/Time:	Received By:		Date/Time:	
Relinquished By:		Date/Time:	Received By:		Date/Time:	

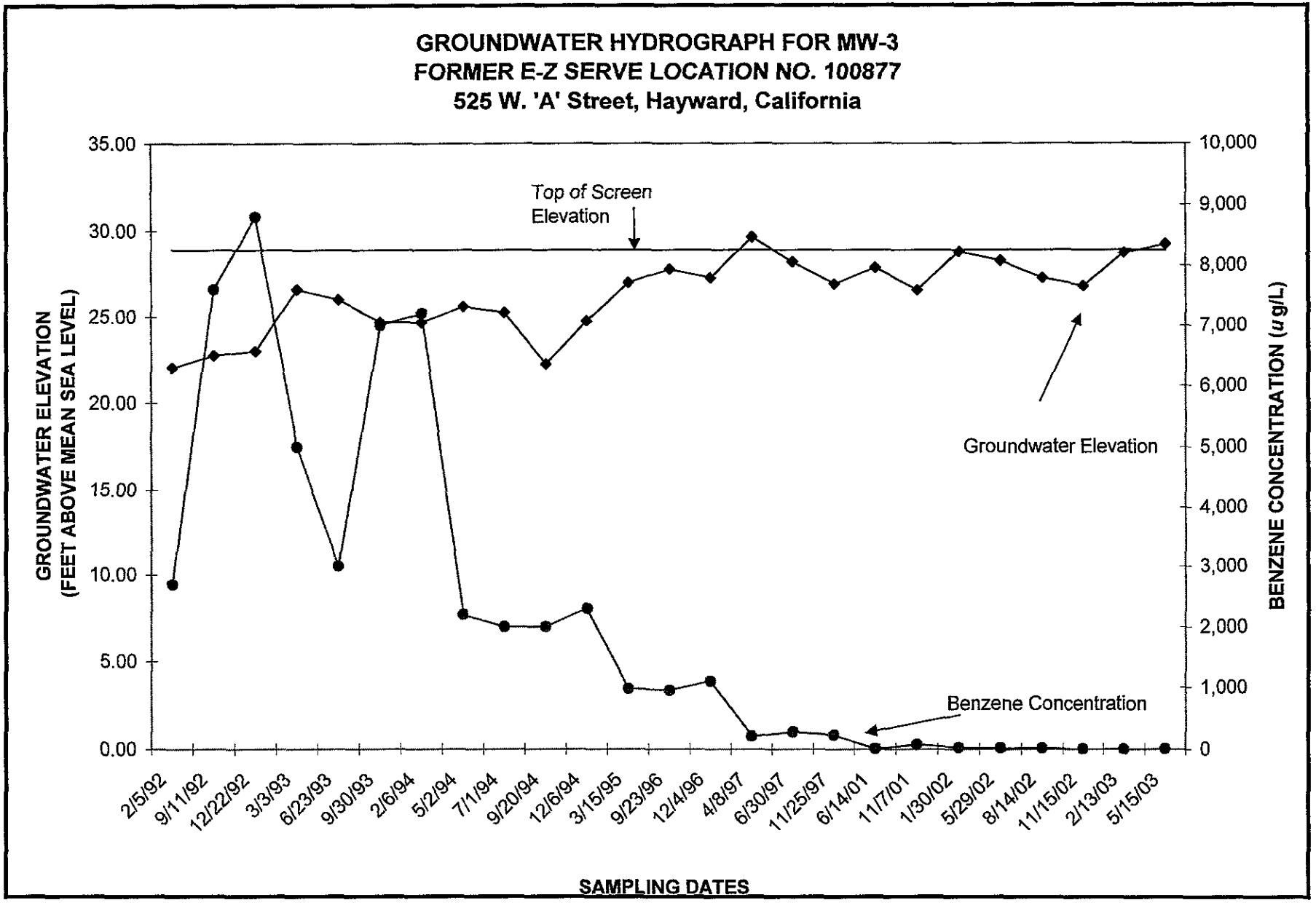
Sample Condition, Good? Yes __ No __   On Ice? Yes __ No __   Cooler Temp ____   Transportation Method: ____

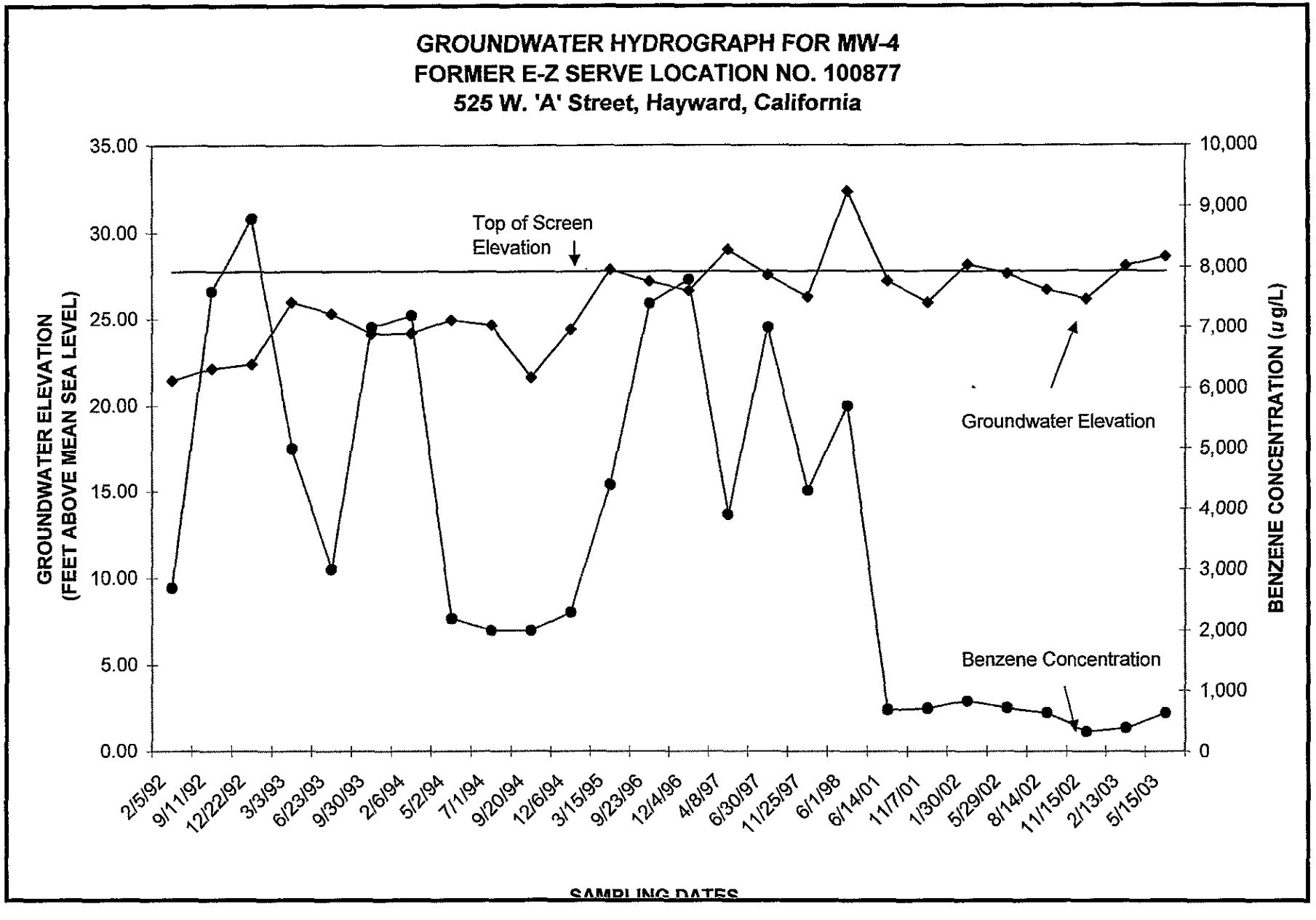
White - Lab   Yellow - Lab   Pink - ATC

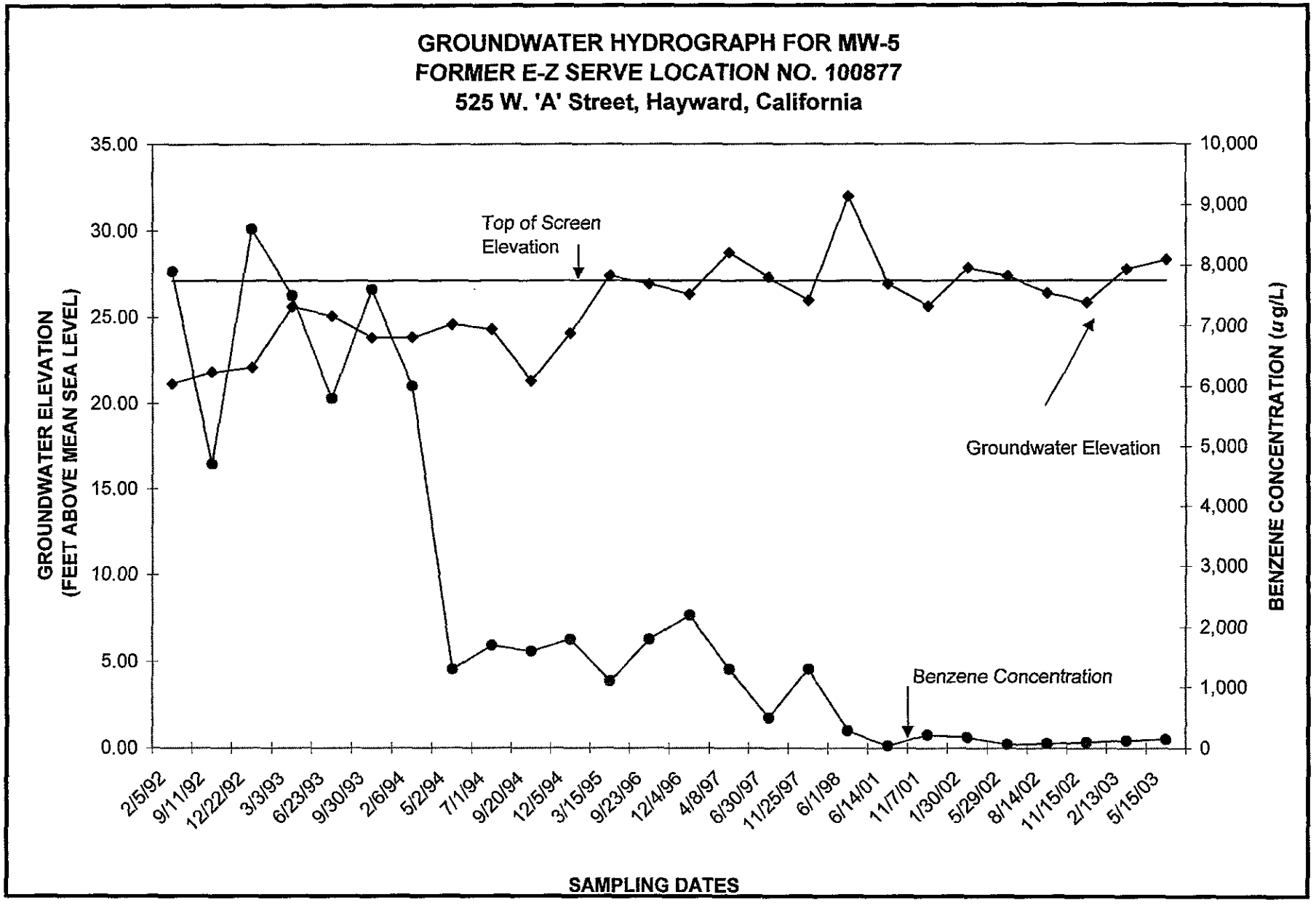

GROUNDWATER HYDROGRAPH FOR MW-1
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (u g/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
9/30/93
2/6/94
5/2/94
7/1/94
9/20/94
12/5/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

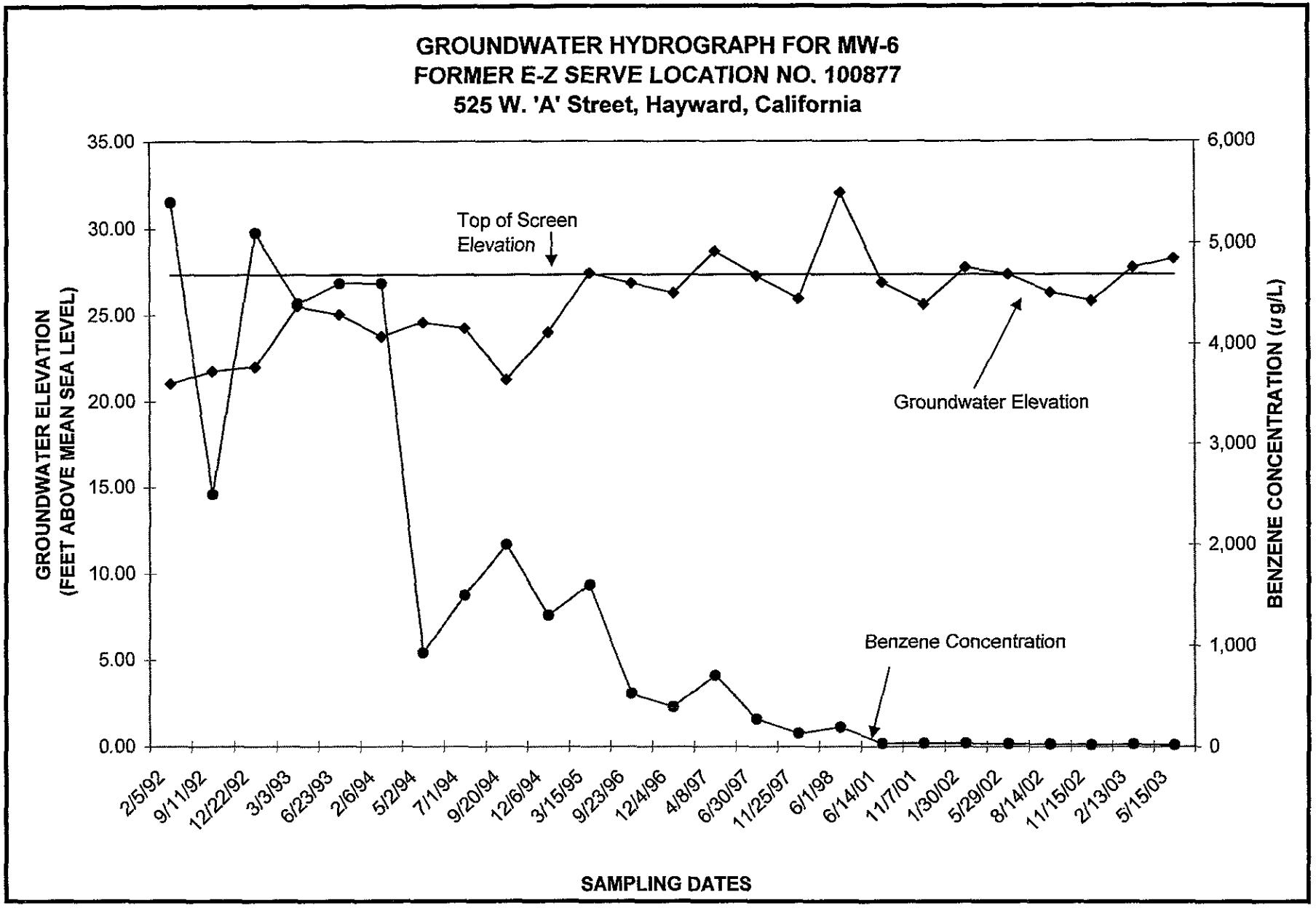

GROUNDWATER HYDROGRAPH FOR MW-1A
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
Top of Well Screen Elevation Unknown
Groundwater Elevation
Benzene Concentration
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
2/6/94
7/1/94
12/4/96
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

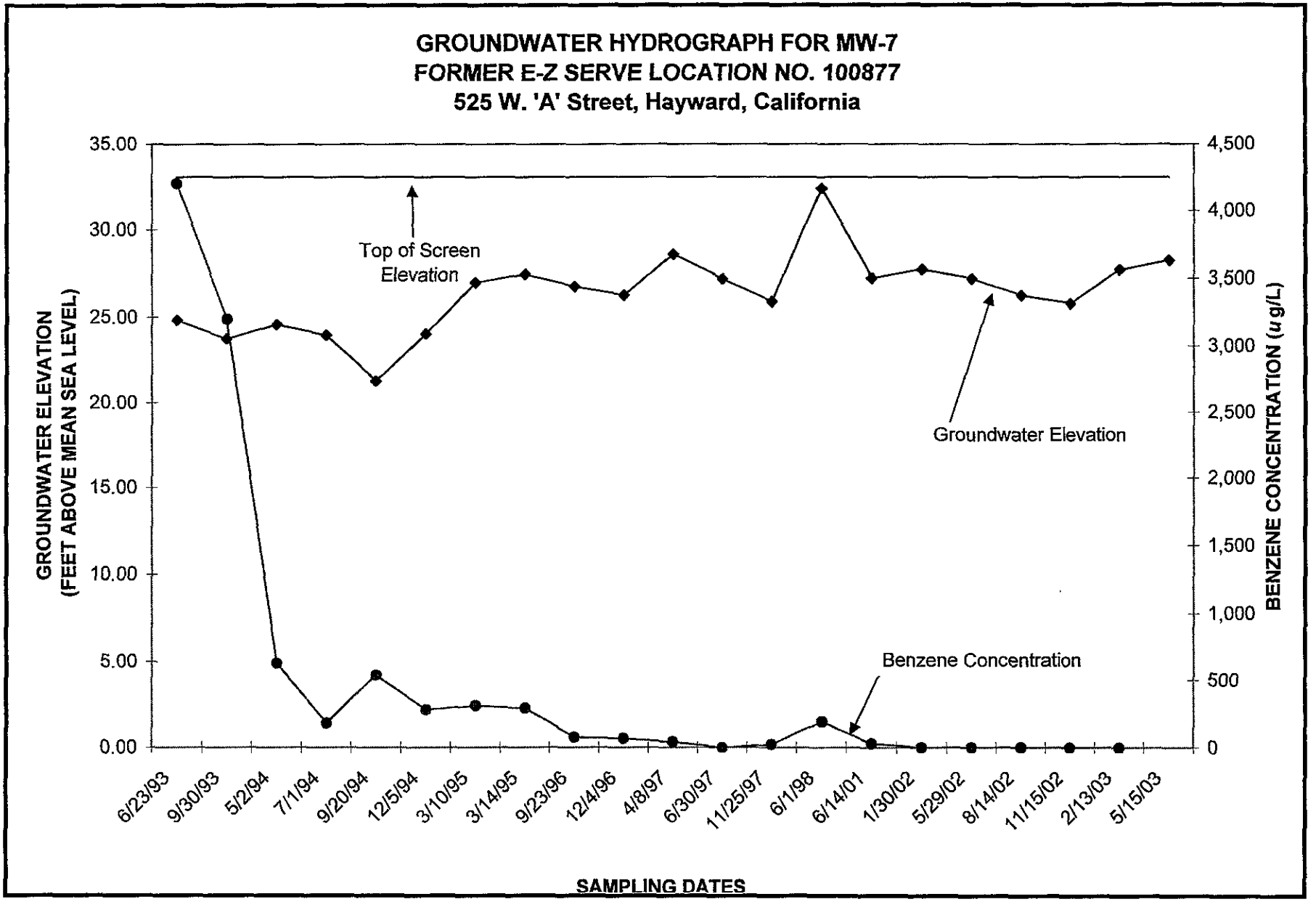

GROUNDWATER HYDROGRAPH FOR MW-2
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
25,000
20,000
15,000
10,000
5,000
0
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
9/30/93
2/6/94
5/2/94
7/1/94
9/20/94
12/6/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

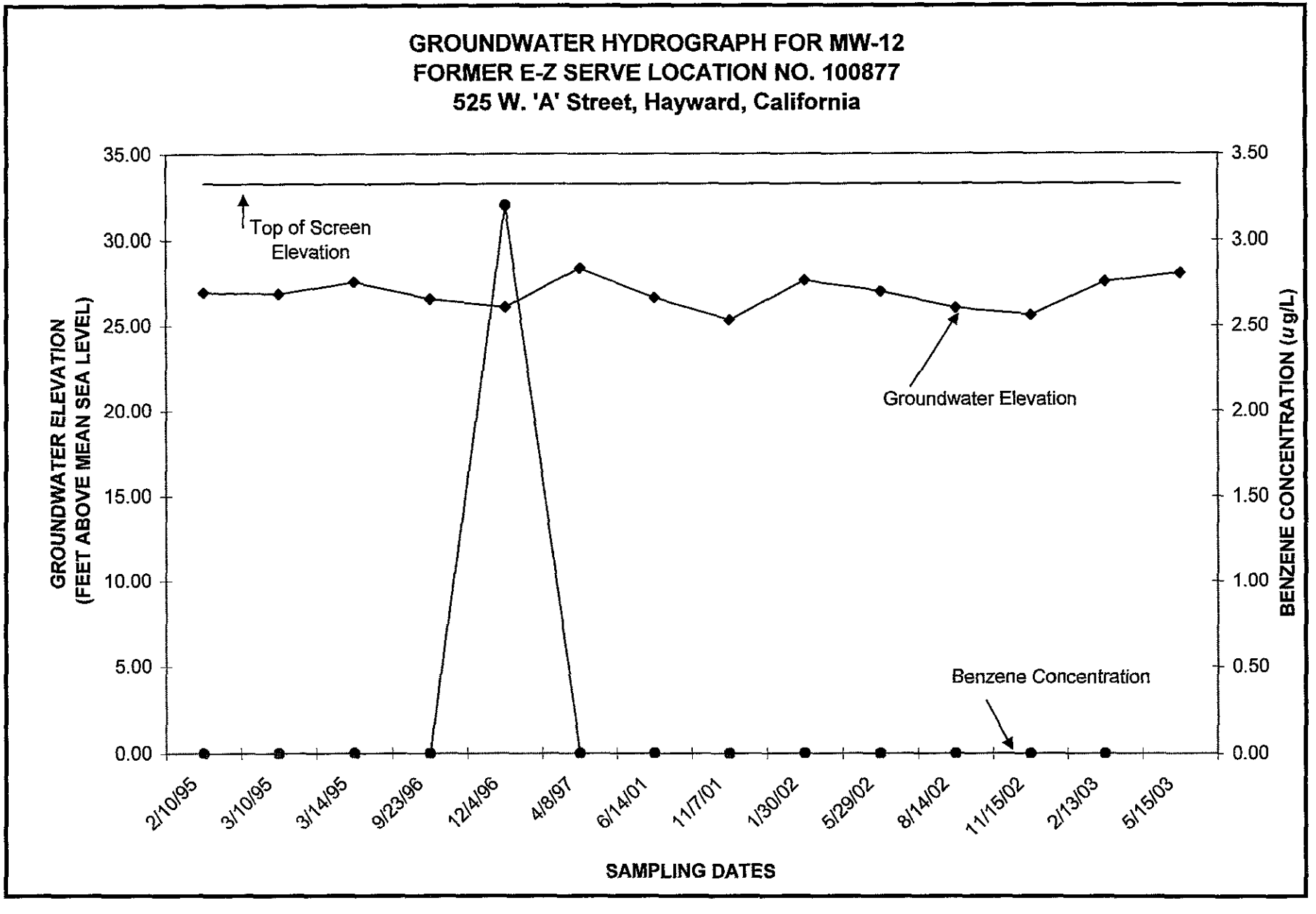

GROUNDWATER HYDROGRAPH FOR MW-3
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
9/30/93
2/6/94
5/2/94
7/1/94
9/20/94
12/6/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

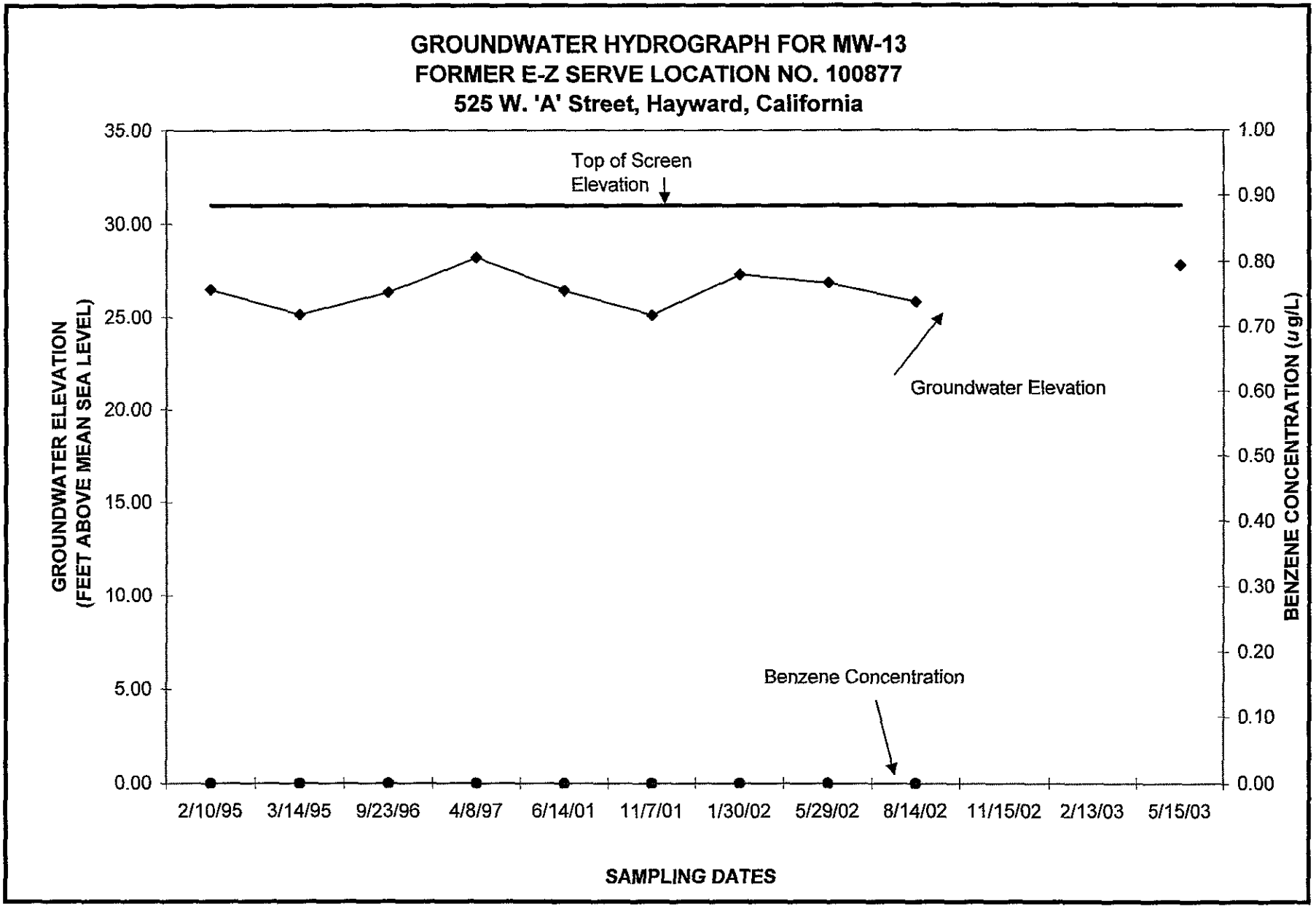

GROUNDWATER HYDROGRAPH FOR MW-4
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
9/30/93
2/6/94
5/2/94
7/1/94
9/20/94
12/6/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

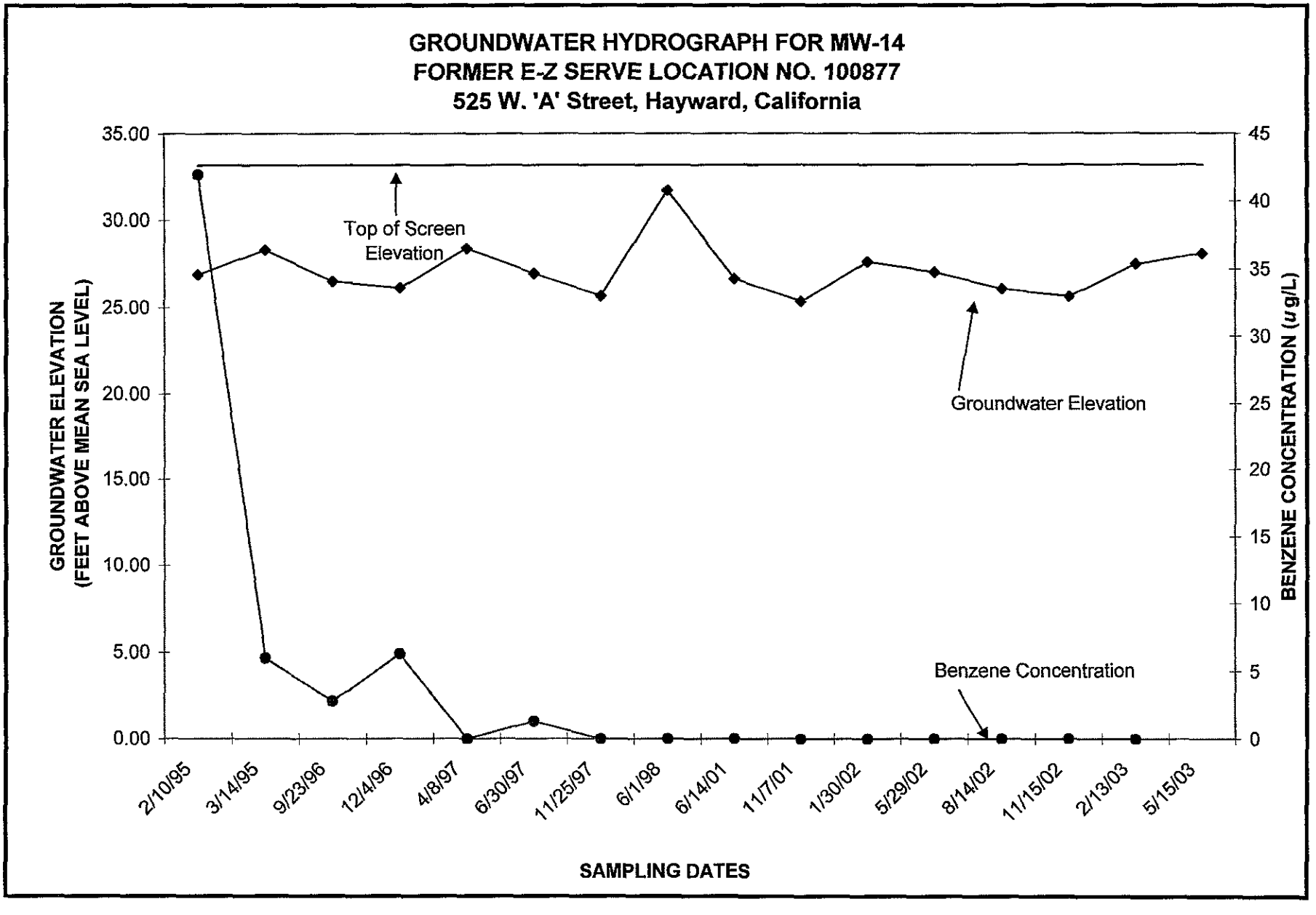

GROUNDWATER HYDROGRAPH FOR MW-5
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
9/30/93
2/6/94
5/2/94
7/1/94
9/20/94
12/5/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES


GROUNDWATER HYDROGRAPH FOR MW-6
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
6,000
5,000
4,000
3,000
2,000
1,000
0
2/5/92
9/11/92
12/22/92
3/3/93
6/23/93
2/6/94
5/2/94
7/1/94
9/20/94
12/6/94
3/15/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES


GROUNDWATER HYDROGRAPH FOR MW-7
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (u g/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
6/23/93
9/30/93
5/2/94
7/1/94
9/20/94
12/5/94
3/10/95
3/14/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES


GROUNDWATER HYDROGRAPH FOR MW-12
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
2/10/95
3/10/95
3/14/95
9/23/96
12/4/96
4/8/97
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES


GROUNDWATER HYDROGRAPH FOR MW-13
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
2/10/95
3/14/95
9/23/96
4/8/97
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES


GROUNDWATER HYDROGRAPH FOR MW-14
FORMER E-Z SERVE LOCATION NO. 100877
525 W. 'A' Street, Hayward, California
GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
BENZENE CONCENTRATION (ug/L)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
45
40
35
30
25
20
15
10
5
0
Top of Screen Elevation
Groundwater Elevation
Benzene Concentration
2/10/95
3/14/95
9/23/96
12/4/96
4/8/97
6/30/97
11/25/97
6/1/98
6/14/01
11/7/01
1/30/02
5/29/02
8/14/02
11/15/02
2/13/03
5/15/03
SAMPLING DATES

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Jeanne Homsey ATC Associates, Inc. 1117 Lone Palm Ave., Ste. B Modesto, CA 95351

Lab Number:	31729-1
Collected:	05/15/03
Received:	05/16/03
Matrix:	Aqueous

Project:	EZ Serve #100877
Project Number:	EZS2417
Collected by:	P. Arroyo

Sample Description:	MW-1
Analyzed:	05/21/03
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	20.	1500.
Toluene	20.	42.
Ethylbenzene	20.	1400.
Xylenes	20.	900.
t-Amyl Methyl Ether (TAME)	20.	ND
t-Butyl Alcohol (TBA)	200.	ND
Diisopropyl Ether (DIPE)	20.	ND
Ethyl-t-Butyl Ether (ETBE)	20.	ND
Methyl-t-Butyl Ether (MTBE)	20.	24.
Percent Surrogate Recovery		95
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	2000.	17000.
BTX as a Percent of Fuel		14

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: Oxygenates not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VA80521
MSD #8
31729-1.xls
ES/ash/pv/ses/dk

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	**Jeanne Homsey**
	ATC Associates, Inc.
	1117 Lone Palm Ave., Ste. B
	Modesto, CA 95351

Lab Number:	**31729-2**
Collected:	**05/15/03**
Received:	**05/16/03**
Matrix:	**Aqueous**

Project:	**EZ Serve #100877**
Project Number:	**EZS2417**
Collected by:	**P. Arroyo**

Sample Description:	**MW-2**
Analyzed:	**05/21/03**
Method:	**See Below**

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	20.	850.
Toluene	20.	22.
Ethylbenzene	20.	1600.
Xylenes	20.	3000.
t-Amyl Methyl Ether (TAME)	20.	ND
t-Butyl Alcohol (TBA)	200.	ND
Diisopropyl Ether (DIPE)	20.	ND
Ethyl-t-Butyl Ether (ETBE)	20.	ND
Methyl-t-Butyl Ether (MTBE)	20.	26.
Percent Surrogate Recovery		93
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	2000.	24000.
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:* Oxygenates not included in TPH result.**

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VA80521
MSD #8
31729-2.xls
ES/ash/pv/ses/dk

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	**Jeanne Homsey** **ATC Associates, Inc.** **1117 Lone Palm Ave., Ste. B** **Modesto, CA 95351**

Lab Number:	**31729-3**
Collected:	**05/15/03**
Received:	**05/16/03**
Matrix:	**Aqueous**

Project:	**EZ Serve #100877**
Project Number:	**EZS2417**
Collected by:	**P. Arroyo**

Sample Description:	**MW-3**
Analyzed:	**05/27/03**
Method:	**See Below**

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	12.
Toluene	0.5	ND
Ethylbenzene	0.5	200.
Xylenes	0.5	83.
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	0.6
Percent Surrogate Recovery		101
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	4700.
BTX as a Percent of Fuel		2

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: Oxygenates not included in TPH result.

VAA60527
MSD #6
31729-3.xls
ES/ash/pv/ses/jp

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	**Jeanne Homsey**
	ATC Associates, Inc.
	1117 Lone Palm Ave., Ste. B
	Modesto, CA 95351

Lab Number:	**31729-4**
Collected:	**05/15/03**
Received:	**05/16/03**
Matrix:	**Aqueous**

Project:	**EZ Serve #100877**
Project Number:	**EZS2417**
Collected by:	**P. Arroyo**

Sample Description:	**MW-4**
Analyzed:	**05/23/03**
Method:	**See Below**

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	2.0	640.
Toluene	2.0	49.
Ethylbenzene	2.0	580.
Xylenes	2.0	620.
t-Amyl Methyl Ether (TAME)	2.0	ND
t-Butyl Alcohol (TBA)	20.	ND
Diisopropyl Ether (DIPE)	2.0	ND
Ethyl-t-Butyl Ether (ETBE)	2.0	ND
Methyl-t-Butyl Ether (MTBE)	2.0	30.
Percent Surrogate Recovery		101
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	200.	8800.
BTX as a Percent of Fuel		15

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: Oxygenates not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VAI60523
MSD #6
31729-4.xls
ES/ash/pv/jp

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	**Jeanne Homsey**
	ATC Associates, Inc.
	1117 Lone Palm Ave., Ste. B
	Modesto, CA 95351

Lab Number:	**31729-5**
Collected:	**05/15/03**
Received:	**05/16/03**
Matrix:	**Aqueous**

Project:	**EZ Serve #100877**
Project Number:	**EZS2417**
Collected by:	**P. Arroyo**

Sample Description:	**MW-5**
Analyzed:	**05/28/03**
Method:	**See Below**

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	150.
Toluene	0.5	1.3
Ethylbenzene	0.5	300.
Xylenes	0.5	150.
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	1.6
Percent Surrogate Recovery		105
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	7000.
BTX as a Percent of Fuel		4

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: Oxygenates not included in TPH result.

VAI60528
MSD #6
31729-5.xls
ES/ash/pv/ses/ra

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

REPORT OF ANALYTICAL RESULTS

Client:	Jeanne Homsey ATC Associates, Inc. 1117 Lone Palm Ave., Ste. B Modesto, CA 95351

Lab Number:	31729-6
Collected:	05/15/03
Received:	05/16/03
Matrix:	Aqueous

Project:	EZ Serve #100877
Project Number:	EZS2417
Collected by:	P. Arroyo

Sample Description:	MW-6
Analyzed:	05/27/03
Method:	See Below

CONSTITUENT	PQL* ug/L	RESULT** ug/L
Benzene	0.5	16.
Toluene	0.5	4.4
Ethylbenzene	0.5	70.
Xylenes	0.5	17.
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	0.6
Percent Surrogate Recovery		110
TOTAL PETROLEUM HYDROCARBONS		
Total Petroleum Hydrocarbons	50.	4600.
BTX as a Percent of Fuel		<1

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: Oxygenates not included in TPH result.

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VAI60527
MSD #6
31729-6.xls
ES/ash/pv/ses/jp

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
BLANK RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	**BLK VA80521**
Collected:	
Received:	
Matrix:	**Aqueous**
Project:	
Project Number:	
Collected by:	
Sample Description:	**Instrument Blank**
Analyzed:	**05/21/03**
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
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		96
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	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.

VA80521
MSD #8
VA80521b.xls
ES/ash/pv/dk

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
BLANK RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	**BLK VAI60523**
Collected:	
Received:	
Matrix:	**Aqueous**
Project:	
Project Number:	
Collected by:	
Sample Description:	**Instrument Blank**
Analyzed:	**05/23/03**
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
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		97
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	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.

VAI60523
MSD #6
AI60523b.xls
ES/ash/pv/ra

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
BLANK RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	**BLK VAA60527**
Collected:	
Received:	
Matrix:	**Aqueous**
Project:	
Project Number:	
Collected by:	
Sample Description:	**Instrument Blank**
Analyzed:	**05/27/03**
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
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		101
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	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.

VAA60527
MSD #6
AA60527b.xls
ES/ash/pv/ra

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
BLANK RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	**BLK VAI60527**
Collected:	
Received:	
Matrix:	**Aqueous**
Project:	
Project Number:	
Collected by:	
Sample Description:	**Instrument Blank**
Analyzed:	**05/27/03**
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
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		102
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	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.

VAI60527
MSD #6
AI60527b.xls
ES/ash/pv/ra

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
BLANK RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	**BLK VAI60528**
Collected:	
Received:	
Matrix:	**Aqueous**
Project:	
Project Number:	
Collected by:	
Sample Description:	**Instrument Blank**
Analyzed:	*05/28/03*
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
t-Amyl Methyl Ether (TAME)	0.5	ND
t-Butyl Alcohol (TBA)	5.0	ND
Diisopropyl Ether (DIPE)	0.5	ND
Ethyl-t-Butyl Ether (ETBE)	0.5	ND
Methyl-t-Butyl Ether (MTBE)	0.5	ND
Percent Surrogate Recovery		102
TOTAL PETROLEUM HYDROCARBONS		
Gasoline	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.

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VAI60528
MSD #6
AI60528b.xls
ES/ash/pv/ra

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
SPIKE RESULTS

Client:	
ZymaX envirotechnology, inc.	
71 Zaca Lane, Suite 110	
San Luis Obispo, CA 93401	
Lab Number:	QS VAI60528
Collected:	
Received:	
Matrix:	Aqueous
Project:	
Project Number:	
Collected by:	
Sample Description:	Quality Assurance Spike
Analyzed:	05/28/03
Method:	*See Below*

CONSTITUENT	Amount Spiked ug/L	Amount Recovered ug/L	Percent Recovery
Benzene	11.3	9.4	83
Toluene	17.9	18.4	103
Ethylbenzene	12.1	10.7	88
Xylenes	27.9	23.6	85
Methyl t-Butyl Ether (MTBE)	21.1	19.3	91
Percent Surrogate Recovery			104
TOTAL PETROLEUM HYDROCARBONS			
Gasoline	500.	500.	100
BTX as a Percent of Fuel	11	10	

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

Note: Analyzed by EPA 8260 and GC/MS Combination.

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

VAI60528
MSD #6
AI60528q.xls
ES/ash/pv/jp

805.544.4696
www.ZymaXusa.com

71 Zaca Lane
San Luis Obispo CA 93401
fax 805.544.8226

ZymaX envirotechnology

QUALITY ASSURANCE REPORT
SPIKE DUPLICATE RESULTS

Client:	**Lab Number:** QSD VAI60528
ZymaX envirotechnology, inc.	**Collected:**
71 Zaca Lane, Suite 110	**Received:**
San Luis Obispo, CA 93401	**Matrix:** Aqueous
Project:	**Sample Description:** Quality Assurance Spike Duplicate
Project Number:	**Analyzed:** 05/28/03
Collected by:	**Method:** See Below

CONSTITUENT	Amount Spiked ug/L	Amount Recovered ug/L	Percent Recovery	Relative Percent Difference*
Benzene	11.3	10.4	92	10
Toluene	17.9	21.4	120	15
Ethylbenzene	12.1	11.5	95	7
Xylenes	27.9	27.8	100	16
Methyl t-Butyl Ether (MTBE)	21.1	23.5	111	20
Percent Surrogate Recovery			105	
TOTAL PETROLEUM HYDROCARBONS				
Gasoline	500.	570.	114	13
BTX as a Percent of Fuel	11	10		

ZymaX envirotechnology, inc. is certified by CA Department of Health Services: Laboratory #1717
***Relative Percent Difference of the spike and spike duplicate**

Note: Analyzed by EPA 8260 and GC/MS Combination.

VAI60528
MSD #6
AI60528q.xls
ES/ash/pv/jp

Submitted by,
ZymaX envirotechnology, inc.

Erin Stagaard
Project Manager

ATC ASSOCIATES INC.
6602 Owens Drive, Suite 100
Pleasanton, CA 94588
Main Line: (925) 460-5300
Facsimile: (925) 463-2559

CHAIN OF CUSTODY FORM

Turnaround Time (working days): ☐ 10 day ☑ 7 day ☐ 5 day ☐ 3 day ☐ 2 day ☐ 24 hr ☐ 2-8 hr * ☐ other ( )

Project Name: Former E-Z Serve Client:
Project Number: 54.25827.2417 Task: 75004
Global I.D.:
Project Address: 525 West A Street. Hayward, CA
Laboratory: Zymax Contact: (805) 544-4696
Lab Address/Phone: 71 Zaca Lane San Luis Obispo, CA
ATC Project Manager: Jeanne Hamsey
ATC PM Ph. No.: (925) 225-(209)579-2221 Email: Homsey54@atc-enviro.com
ATC Sampler: P. Arroyo Phone: (925) 225-7813

ATC Sample ID	Date	Time	Matrix: Soil	Matrix: Water	Matrix: Vapor	Container Information: No.	Container Information: Type	Container Information: Preservative	Field Pt. I.D.- Check if same as Sample I.D.	Analyses Requested: TPHg/BTEX/MTBE (8015M/8021)	Confirm MTBE by GC/MS	Fuel Oxygenates (8260B)	TPHd (8015M)	HVOCs (8010)	SVOC's (8270)	VOCs (8260)	PP Metals (low detect) (7000/6010)	Cyanide, Total (335.2)	TPHg/BTEX/MTBE (8015M/8260B)	TPHg/BTEX/5 Fuel Oxy's (8260B)	TPHg/BTEX/5 Fuel Oxy's/1,2 DCA & EDB (8260B)			
MW-1	5-15-03	1040		X		3	VOA	HCL	31729-1											X				
MW-2	"	1025		X		"	"	"	-2											X				
MW-3	"	1000		X		"	"	"	-3											X				
MW-4	"	1145		X		"	"	"	-4											X				
MW-5	"	1105		X		"	"	"	-5											X				
MW-6	↓	1125		X		↓	↓	↓	-6											X				

Additional Comments: EDF FORMAT

EDF Format ☑

Relinquished By: [signature] Date/Time: 5/16/03 - 10:43 Am Received By: Jim Hawes / Zymax Date/Time: 5/16/03 - 1043 Hrs
Relinquished By: Date/Time: Received By: Date/Time:
Relinquished By: Date/Time: Received By: Date/Time:

Sample Condition. Good? Yes ___ No ___ On Ice? Yes ___ No ___ Cooler Temp ____ Transportation Method:

Page 1 of 1

White - Lab Yellow - Lab Pink - ATC