

3R - 194

REPORTS

DATE:

1/31/1995

El Paso
Natural Gas Company

OIL CONSERVATION DIVISION
RECEIVED
P.O. BOX 4990
FARMINGTON, NEW MEXICO 87499
FEB 6 1995

January 31, 1995

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 S. Pacheco,
Santa Fe, NM 87504

RECEIVED

FEB 06 1995

Environmental Bureau
Oil Conservation Division

Dear Mr. Olson:

Enclosed for your review is EPNG's semi-annual report for the Jaquez Com. C #1 and Jaquez Com. E #1 remediation project of 1993. The report includes:

- Summary of the BETX analysis that has been run for each of the monitor wells to date.
- BETX graphs for each of the monitor wells.
- Water elevation graphs for each of the monitor wells.
- Water elevation vs. product elevation for monitor wells R-1 & R-2.

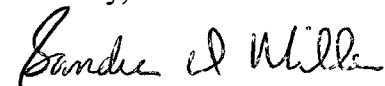
EPNG began utilizing the Petrotrap system for removal of product from monitor wells R-1 and R-2 in mid August 1994. The total amount of product removed since that time through December is as follows:

- R-1: 1710 mls
- R-2: 300 mls

We have not recovered measurable amounts of product from the Petrotraps in recent visits. We will continue to monitor them should the product layer reoccur. Because of 1994 observations regarding product thickness, we will pay particular attention this time of year, when the water table is at its lowest levels.

If you have any questions regarding the data, please do not hesitate to contact me at 599-2141.

Sincerely,



Sandra D. Miller
Sr. Environmental Scientist

xc: Mr. Denny Foust, NMOCD - Aztec
Mr. W.D. Hall, EPNG

1/31/95

**JAQUEZ COM. C #1 & JAQUEZ COM. E #1
MONITOR WELL
WATER ANALYSIS SUMMARY**

Well Number	Sample Number	Date Sampled	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Total BTEX ug/L	Water Table Elev.	Floating Product Inches
R-1	N30969	7-Sep-93	991	164	113	1111	2379	85.92	ND
R-1	N31056	4-Oct-93	1280	1328	74	799	3481	85.27	1"
R-1	N31240	10-Nov-93	242	322	15.0	93.9	673	83.67	ND
R-1	N31384	15-Dec-93	328	411	26.6	196	962	82.87	ND
R-1	940026	12-Jan-94	1830	1965	90.3	1053	4938	80.97	17"
R-1	940233	9-Feb-94	1255	1504	42.3	730	3531	80.52	32"
R-1*	940491	7-Mar-94	7600	8500	280	2700	19080	83.12	4"
R-1	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	84.47	10"
R-1	941003	13-Jun-94	1450	1930	70.0	944	4394	84.27	11"
R-1	N/A	7-Sep-94	No Test	No Test	No Test	No Test	No Test	86.07	2"
R-1	941619	15-Dec-94	1890	2130	105.0	990	5115	84.17	TR
R-2	N30970	7-Sep-93	278	651	59.0	538	1526	86.15	ND
R-2	N31057	4-Oct-93	509	789	73.0	741	2112	85	ND
R-2	N31241	10-Nov-93	284	470	38.0	401	1193	83.75	ND
R-2	N31385	15-Dec-93	529	864	65.3	709	2167	82.95	1"
R-2	940027	12-Jan-94	1722	2501	150	1702	6075	81.05	24"
R-2	940234	9-Feb-94	2806	3667	89.5	1520	8083	80.95	26"
R-2*	940492	7-Mar-94	5600	6800	290	2700	15390	83.3	4"
R-2	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	84.9	7"
R-2	941004	13-Jun-94	3210	3790	139	1670	8809	84.7	7"
R-2	N/A	7-Sep-94	No Test	No Test	No Test	No Test	No Test	85.3	ND
R-2	941620	15-Dec-94	1140	2200	148	1520	5008	84.2	0.6"

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JAQUEZ COM. C #1 & JAQUEZ COM. E #1

MONITOR WELL

WATER ANALYSIS SUMMARY

Well Number	Sample Number	Date Sampled	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Total BTEX ug/L	Water Table Elev.	Floating Product Inches
R-3	N30971	7-Sep-93	<2.0	61.4	22.0	207	290	86.54	ND
R-3	N31058	4-Oct-93	21	179	32.0	310	542	85.39	ND
R-3	N31242	10-Nov-93	6.19	27.7	10.4	89.2	134	84.59	ND
R-3	N31386	15-Dec-93	26	88.4	19.4	178	312	83.29	ND
R-3	940028	12-Jan-94	4.4	2.9	2.7	18	28	82.34	ND
R-3	940235	9-Feb-94	<2.0	10.9	8.3	59.6	79	82.89	ND
R-3*	940493	7-Mar-94	7.7	43	24	220	295	84.54	ND
R-3	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	85.69	ND
R-3	941005	13-Jun-94	3.03	41.4	18.4	188	251	85.99	ND
R-3	941259	7-Sep-94	<2.5	18	6.9	67.9	93	86.89	ND
R-3	941621	15-Dec-94	11.7	12.2	12.4	114	150	84.84	ND
R-4	N30972	7-Sep-93	104	267	39.9	370	781	85.69	ND
R-4	N31060	4-Oct-93	118	266	41	364	789	84.59	ND
R-4	N31243	10-Nov-93	93.6	132	40.4	347	613	83.49	ND
R-4	N31387	15-Dec-93	102	161	48.4	418	729	82.69	ND
R-4	940030	12-Jan-94	124	101	38.5	353	617	81.84	ND
R-4	940237	9-Feb-94	120	51.4	20.8	150	342	82.29	ND
R-4*	940494	7-Mar-94	150	63	20	190	423	83.79	ND
R-4	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	84.94	ND
R-4	941007	13-Jun-94	179	60.6	17.2	176	433	85.24	ND
R-4	941260	7-Sep-94	238	102	26	218	584	86.09	ND
R-4	941622	15-Dec-94	222	63.3	26.9	213	525	83.99	ND

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JAQUEZ COM. C #1 & JAQUEZ COM. E #1

MONITOR WELL

WATER ANALYSIS SUMMARY

Well Number	Sample Number	Date Sampled	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Total BTEX ug/L	Water Table Elev.	Floating Product Inches
R-5	N30973	7-Sep-93	<2.0	<2.0	<2.0	<2.0	N/A	86	ND
R-5	N31061	4-Oct-93	<2.0	<2.0	<2.0	<2.0	N/A	85.2	ND
R-5	N31244	10-Nov-93	<2.0	<2.0	<2.0	<2.0	N/A	84.3	ND
R-5	N31388	15-Dec-93	<2.0	<2.0	<2.0	<2.0	N/A	83.6	ND
R-5	940031	12-Jan-94	<2.0	<2.0	<2.0	<2.0	N/A	82.6	ND
R-5	940238	9-Feb-94	<2.0	<2.0	<2.0	<2.0	N/A	82.8	ND
R-5*	940496	7-Mar-94	<0.5	<0.5	<0.5	<0.5	N/A	84.25	ND
R-5	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	85.1	ND
R-5	941008	13-Jun-94	<2.0	<2.0	<2.0	<2.0	N/A	85.6	ND
R-5	941261	7-Sep-94	<2.5	<2.5	<2.5	<2.5	N/A	86.3	ND
R-5	941623	15-Dec-94	<2.5	<2.5	<2.5	<2.5	N/A	84.7	ND
M-1	N30974	8-Sep-93	<2.0	<2.0	<2.0	<2.0	N/A	80.99	ND
M-1	N31062	5-Oct-93	<2.0	<2.0	<2.0	<2.0	N/A	79.99	ND
M-1	N31245	11-Nov-93	<2.0	<2.0	<2.0	<2.0	N/A	79.44	ND
M-1	N31389	16-Dec-93	<2.0	<2.0	<2.0	<2.0	N/A	78.64	ND
M-1	940032	13-Jan-94	<2.0	<2.0	<2.0	<2.0	N/A	78.34	ND
M-1	940239	10-Feb-94	<2.0	<2.0	<2.0	<2.0	N/A	78.94	ND
M-1*	940497	7-Mar-94	<0.5	<0.5	<0.5	<0.5	N/A	79.34	ND
M-1	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	79.24	ND
M-1	941009	13-Jun-94	<2.0	<2.0	<2.0	<2.0	N/A	80.39	ND
M-1	941262	7-Sep-94	<2.5	<2.5	<2.5	<2.5	N/A	80.94	ND
M-1	941624	15-Dec-94	<2.5	<2.5	<2.5	<2.5	N/A	79.84	ND

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JAQUEZ COM. C #1 & JAQUEZ COM. E #1

MONITOR WELL

WATER ANALYSIS SUMMARY

Well Number	Sample Number	Date Sampled	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Total BTEX ug/L	Water Table Elev.	Floating Product Inches
M-2	N30975	8-Sep-93	<2.0	<2.0	<2.0	<2.0	N/A	82.89	ND
M-2	N31063	5-Oct-93	2.0	2.0	<2.0	<2.0	4.0	81.39	ND
M-2	N31246	11-Nov-93	2.3	2.0	<2.0	<2.0	4.3	80.49	ND
M-2	N31390	16-Dec-93	<2.0	<2.0	<2.0	<2.0	N/A	79.89	ND
M-2	940033	13-Jan-94	<2.0	<2.0	<2.0	<2.0	N/A	79.34	ND
M-2	940240	10-Feb-94	<2.0	<2.0	<2.0	<2.0	N/A	79.54	ND
M-2*	940498	7-Mar-94	<0.5	<0.5	<0.5	<0.5	N/A	80.54	ND
M-2	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	81.74	ND
M-2	941010	13-Jun-94	<2.0	<2.0	<2.0	<2.0	N/A	81.59	ND
M-2	941263	7-Sep-94	<2.5	<2.5	<2.5	<2.5	N/A	82.24	ND
M-2	941625	15-Dec-94	<2.5	<2.5	<2.5	<2.5	N/A	80.99	ND
M-3	N30976	8-Sep-93	116	<2.0	3.0	37.6	157	83.49	ND
M-3	N31064	5-Oct-93	306	<2.0	4.0	19	329	82.54	ND
M-3	N31247	11-Nov-93	8.4	5.3	<2.0	2.6	16	81.74	ND
M-3	N31391	16-Dec-93	42	<2.0	<2.0	<2.0	42	80.89	ND
M-3	940034	13-Jan-94	19	2.1	<2.0	<2.0	21	80.24	ND
M-3	940241	10-Feb-94	<2.0	<2.0	<2.0	<2.0	N/A	81.19	ND
M-3*	940499	7-Mar-94	<0.5	<0.5	<0.5	2.5	3	81.89	ND
M-3	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	82.94	ND
M-3	941011	13-Jun-94	3.65	<2.0	<2.0	<2.0	4	83.09	ND
M-3	941264	7-Sep-94	2.87	<2.5	<2.5	2.5	5	84.19	ND
M-3	941626	15-Dec-94	<2.5	<2.5	<2.5	5.61	6	82.29	ND

1/31/95

**JAQUEZ COM. C #1 & JAQUEZ COM. E #1
MONITOR WELL
WATER ANALYSIS SUMMARY**

Well Number	Sample Number	Date Sampled	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Total BTEX ug/L	Water Table Elev.	Floating Product Inches
M-4	N30977	8-Sep-93	213	13.3	58	519	803	85.36	ND
M-4	N31065	5-Oct-93	302	2.0	55	395	754	84.21	ND
M-4	N31248	11-Nov-93	234	2.0	56	383	675	83.46	ND
M-4	N31392	16-Dec-93	171	<2.0	34.3	244	449	82.61	ND
M-4	940035	13-Jan-94	175	2.5	38	288	504	82.41	ND
M-4	940242	10-Feb-94	137	<2.0	29.8	192	359	82.86	ND
M-4*	940500	7-Mar-94	120	<2.5	27	220	367	83.11	ND
M-4	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	84.66	ND
M-4	941012	13-Jun-94	151	<2.0	28.4	246	425	84.91	ND
M-4	941265	7-Sep-94	145	<2.5	24.1	231	400	85.81	ND
M-4	941628	15-Dec-94	184	<2.5	22.3	215	421	84.01	ND
M-5	N30979	8-Sep-93	<2.0	<2.0	<2.0	<2.0	N/A	83.27	ND
M-5	N31066	5-Oct-93	<2.0	<2.0	<2.0	<2.0	N/A	82.07	ND
M-5	N31250	11-Nov-93	<2.0	<2.0	<2.0	<2.0	N/A	81.12	ND
M-5	N31393	16-Dec-93	<2.0	<2.0	<2.0	<2.0	N/A	80.32	ND
M-5	940036	13-Jan-94	<2.0	<2.0	<2.0	<2.0	N/A	79.62	ND
M-5	940243	10-Feb-94	<2.0	<2.0	<2.0	<2.0	N/A	79.97	ND
M-5*	940501	7-Mar-94	<0.5	<0.5	<0.5	<0.5	N/A	81.17	ND
M-5	N/A	17-May-94	No Test	No Test	No Test	No Test	No Test	82.32	ND
M-5	941013	13-Jun-94	<2.0	<2.0	<2.0	<2.0	N/A	82.42	ND
M-5	941267	7-Sep-94	<2.5	<2.5	<2.5	<2.5	N/A	83.42	ND
M-5	941629	15-Dec-94	<2.5	<2.5	<2.5	<2.5	N/A	81.62	ND

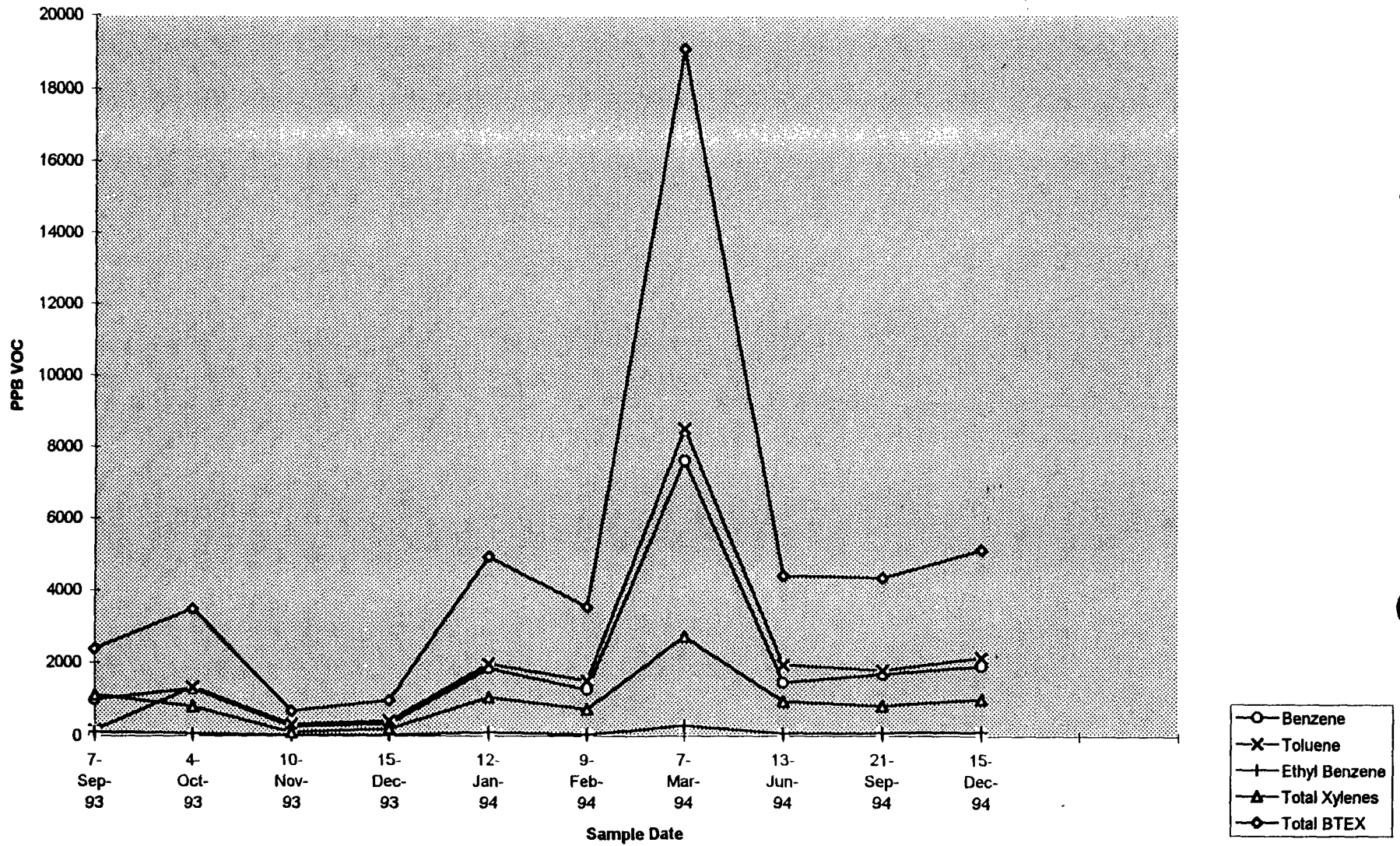
* = PAH Analysis Performed

STATIC LEVELS ARE MEASURED FROM THE TOP OF THE WATER LEVEL.

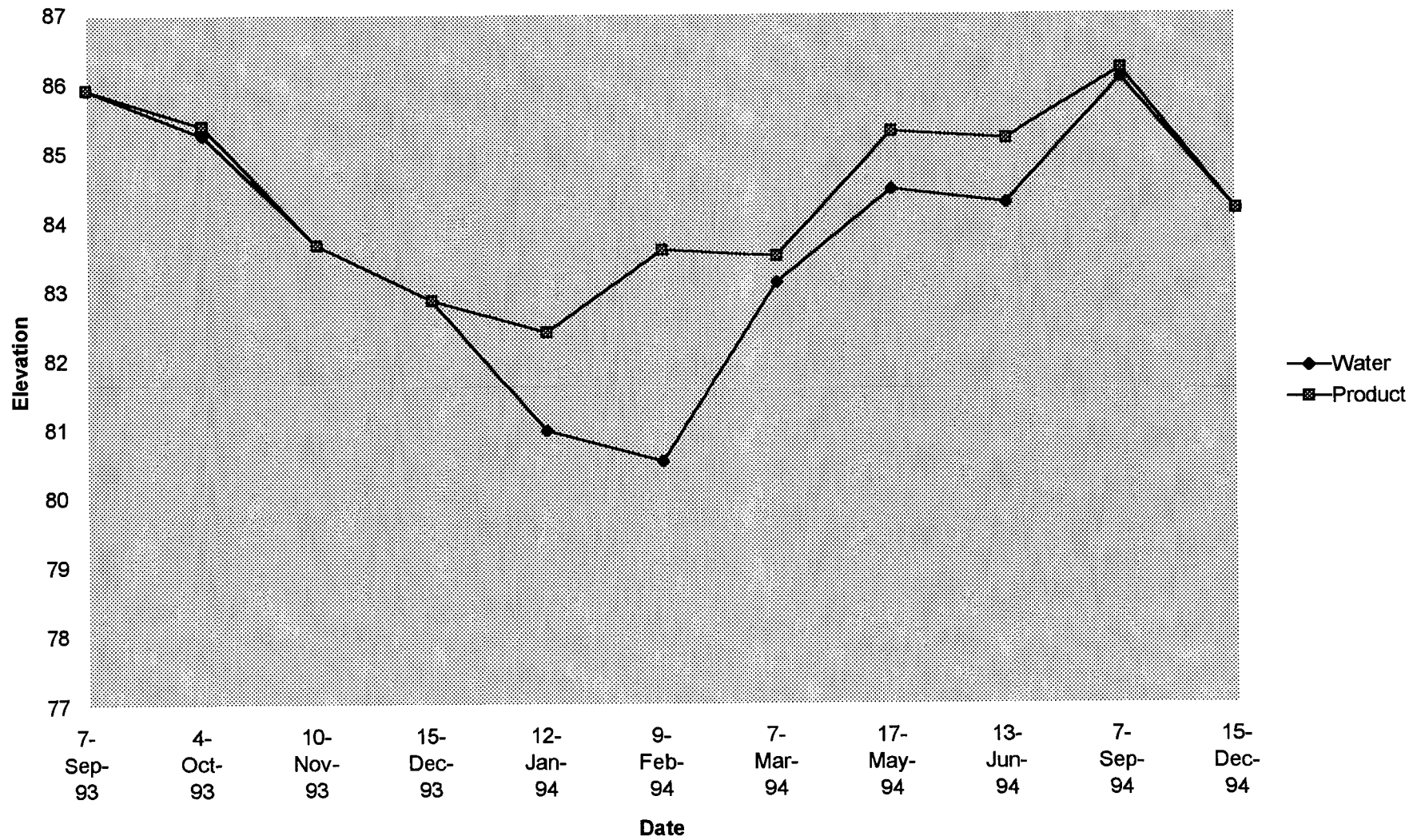
ND = NONE DETECTED

TR = TRACE

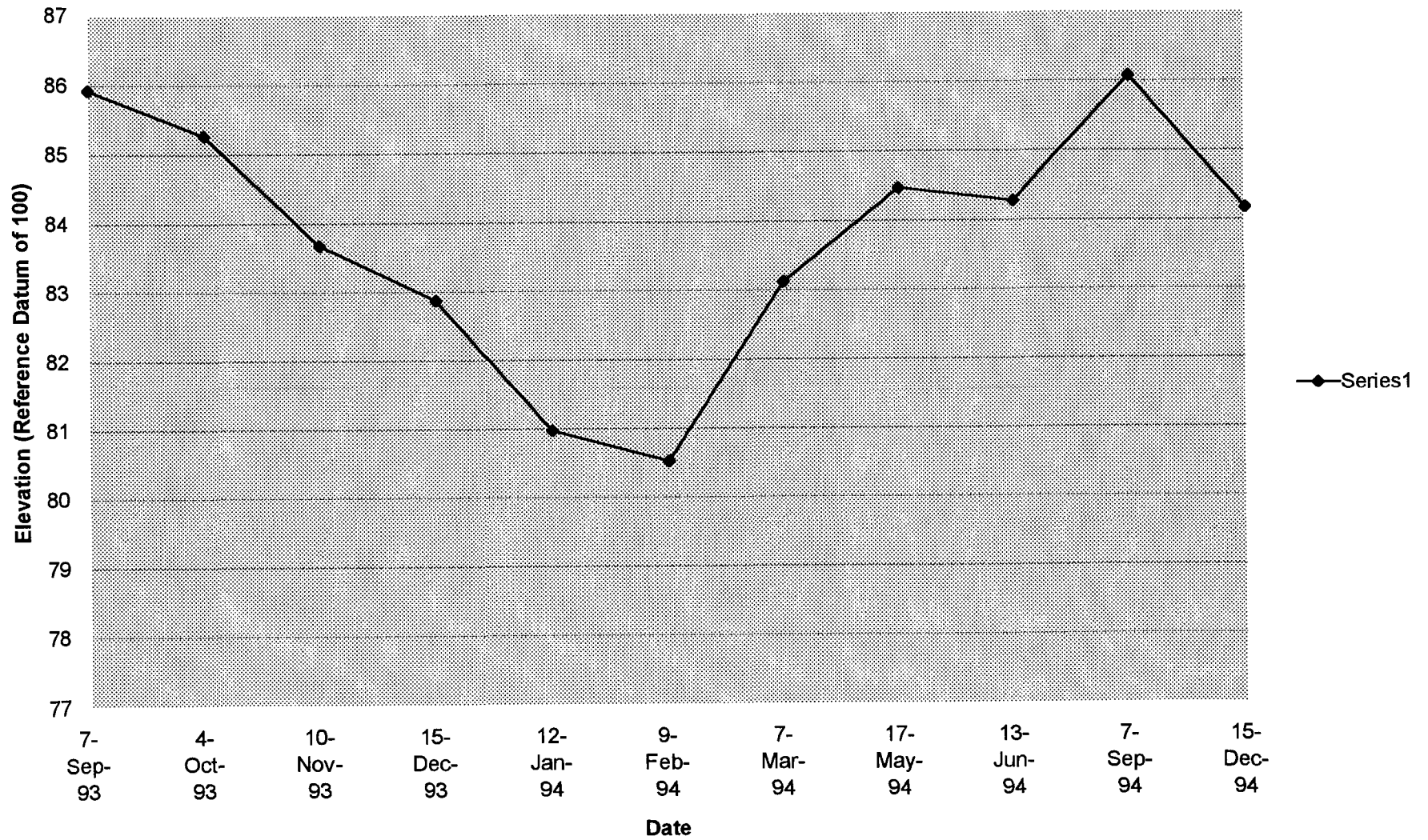
Jaquez Monitor Well R-1



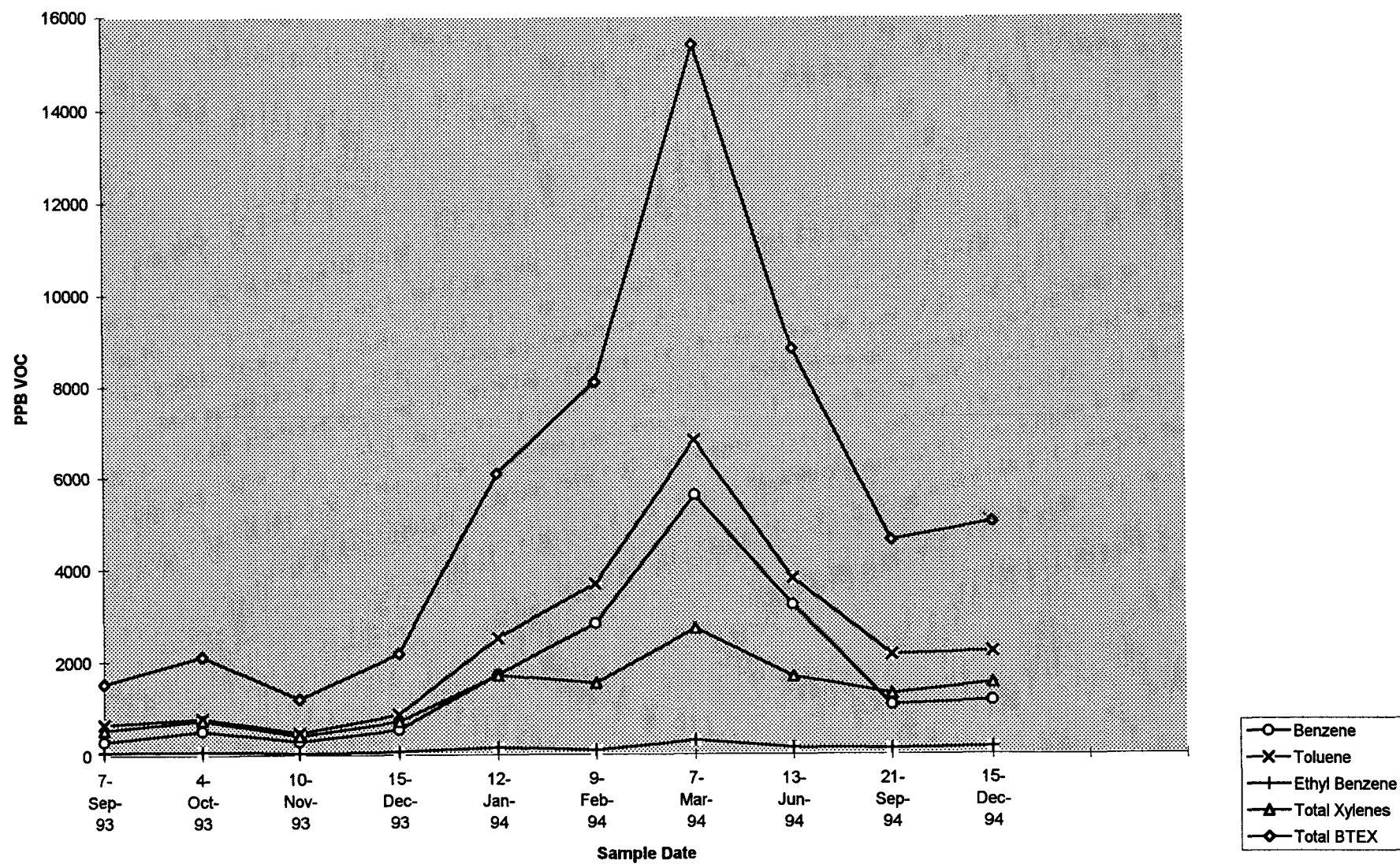
Monitor Well R-1 Water vs. Product



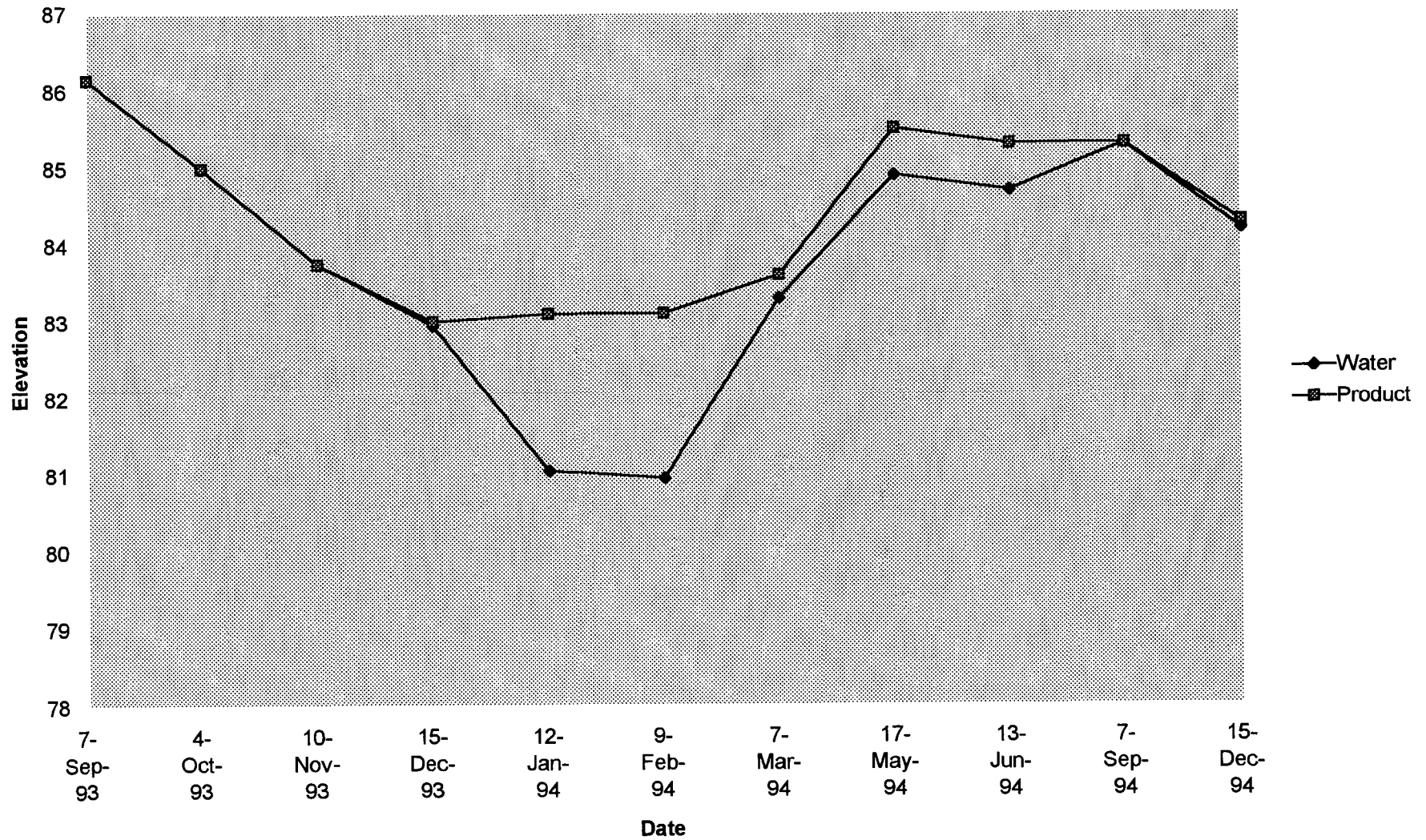
Monitor Well R-1 Groundwater Elevation



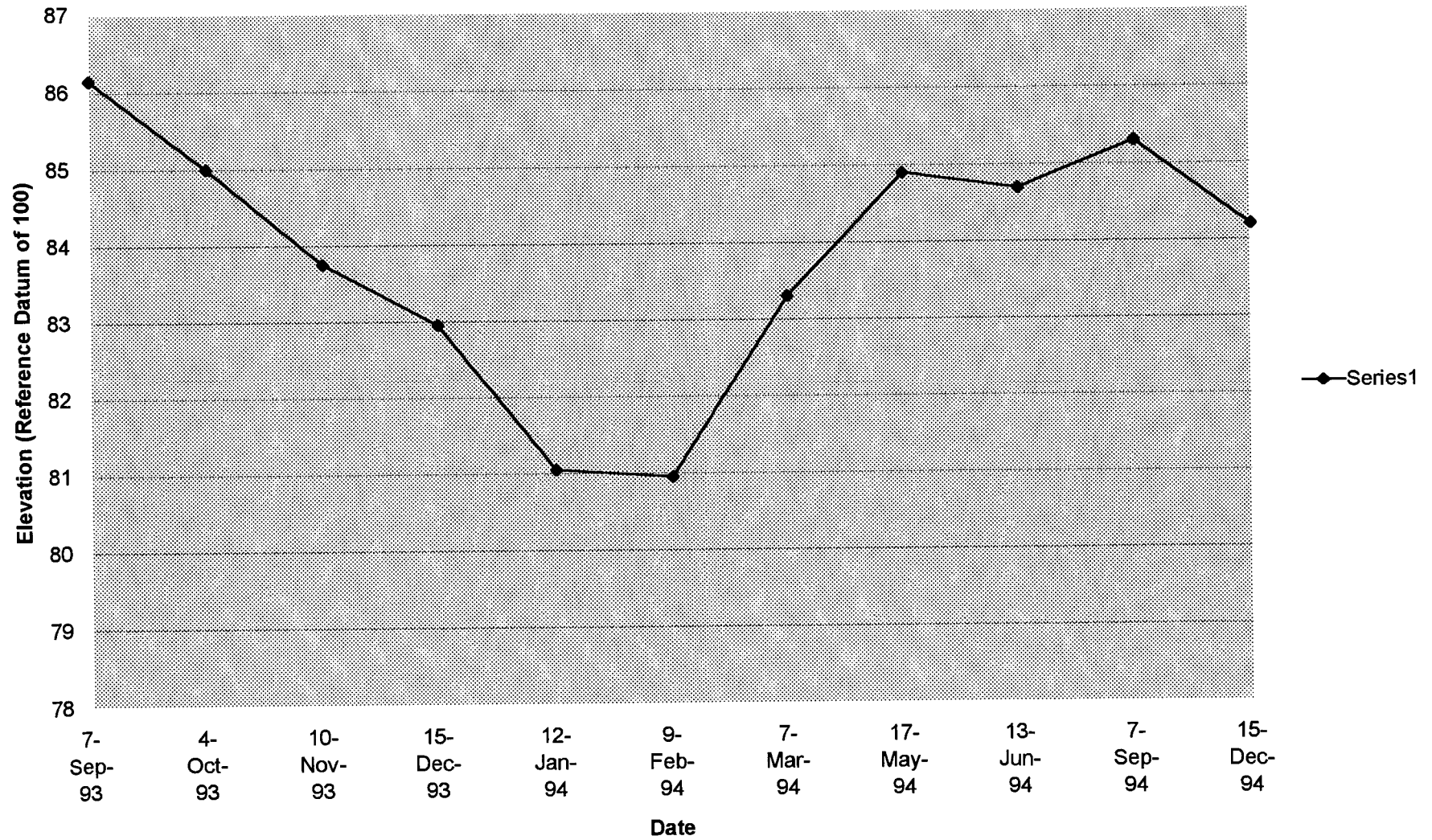
Jaquez Monitor Well R-2



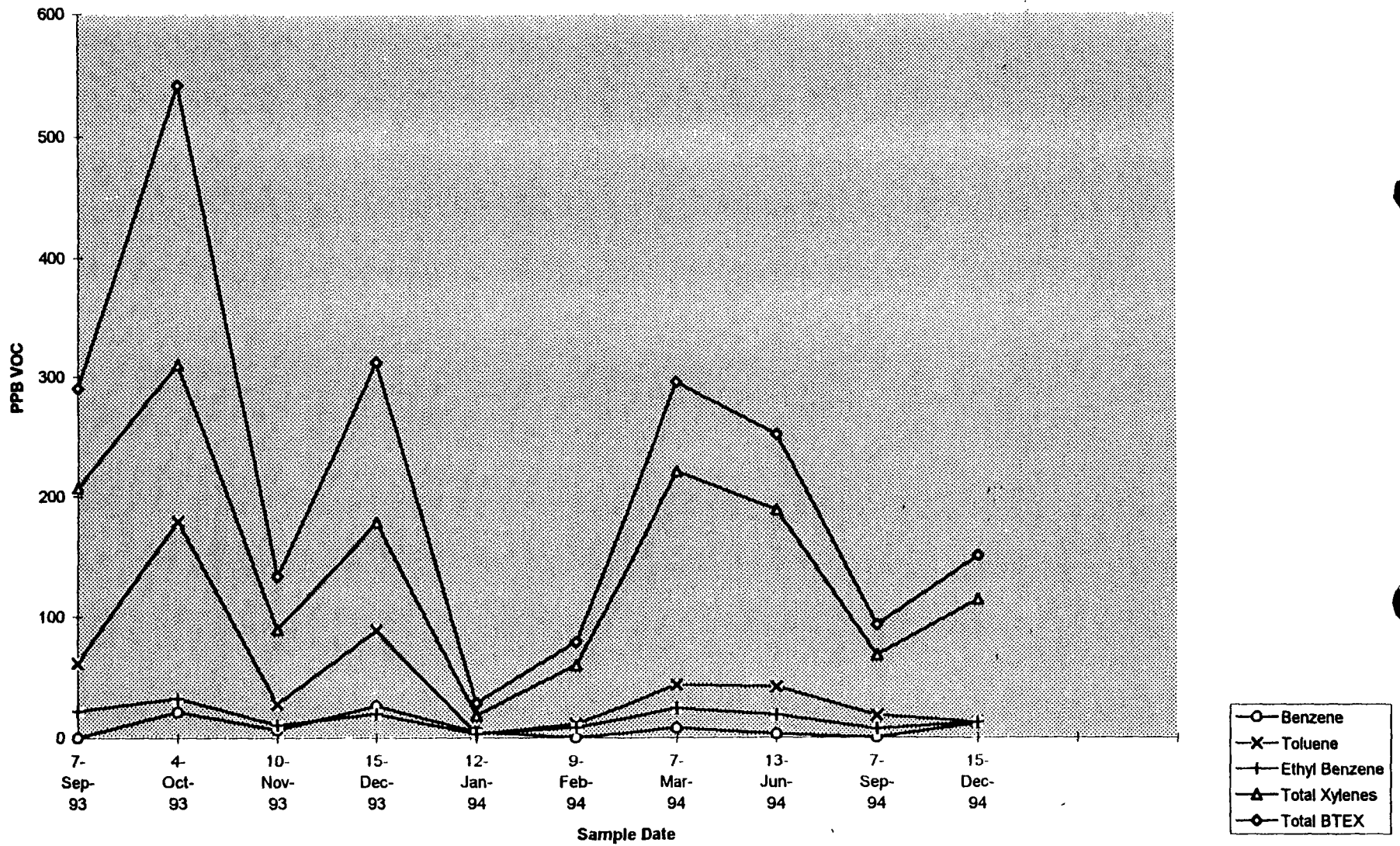
Monitor Well R-2 Water vs. Product



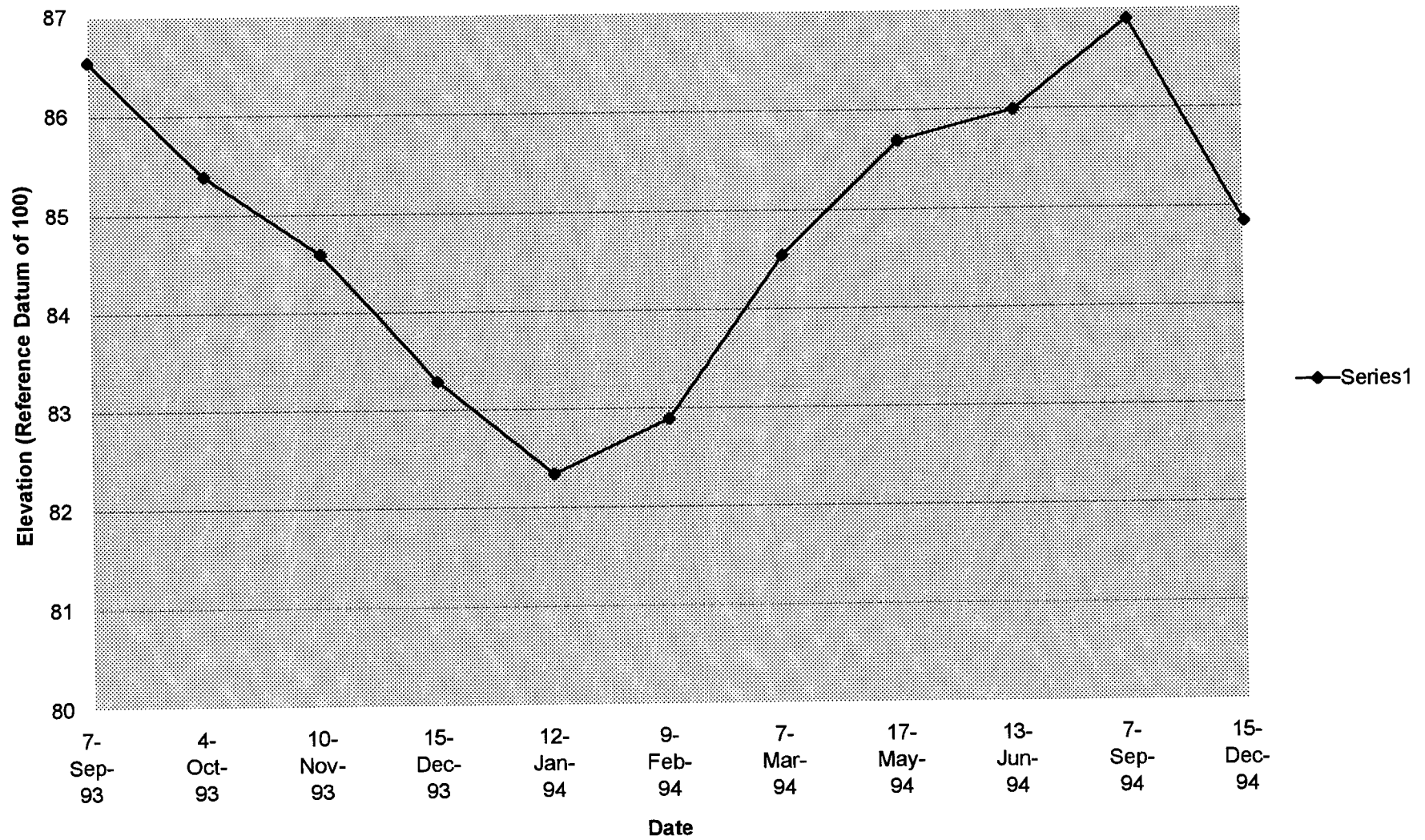
Monitor Well R-2 Groundwater Elevation



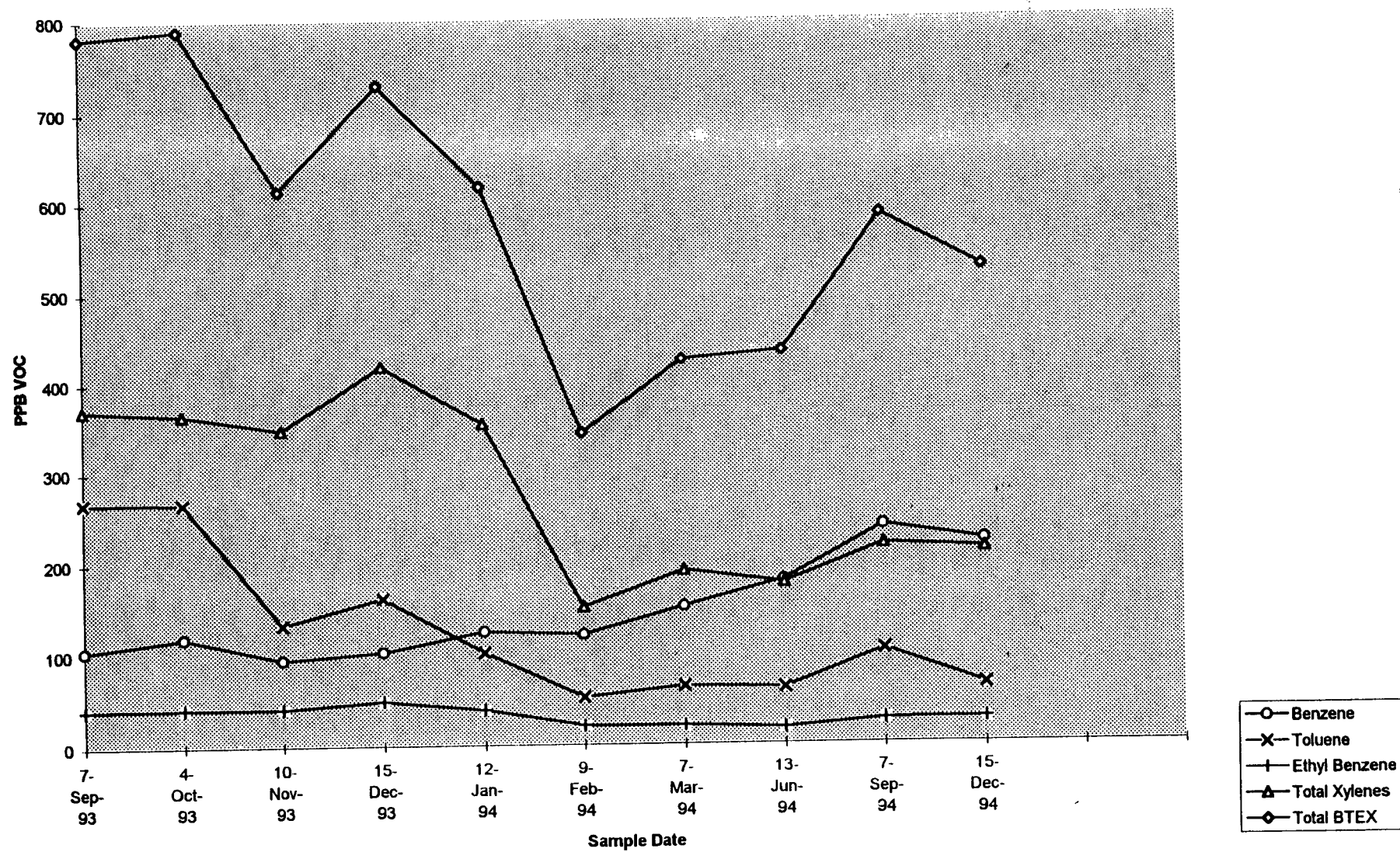
Jaquez Monitor Well R-3



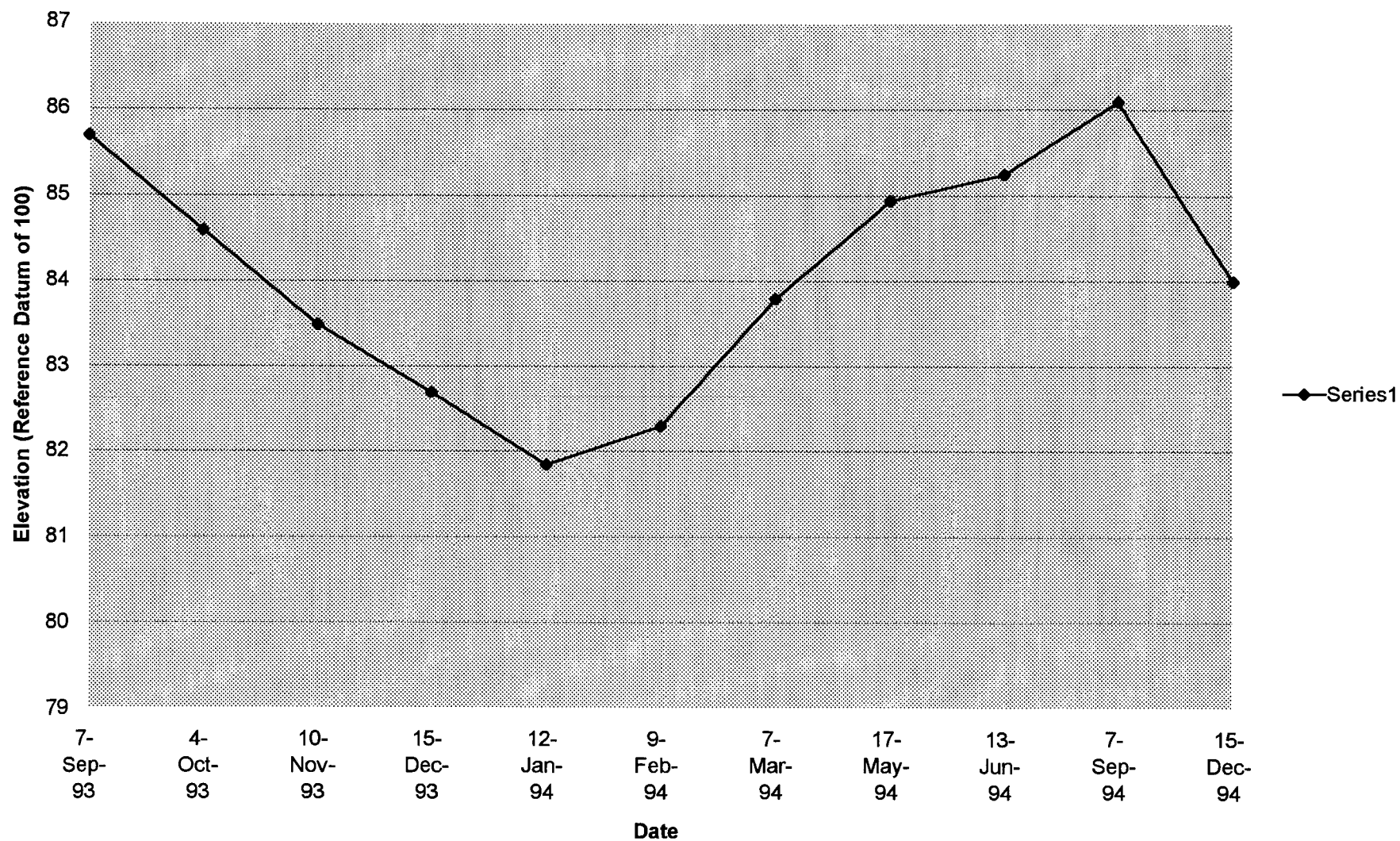
Monitor Well R-3 Groundwater Elevation



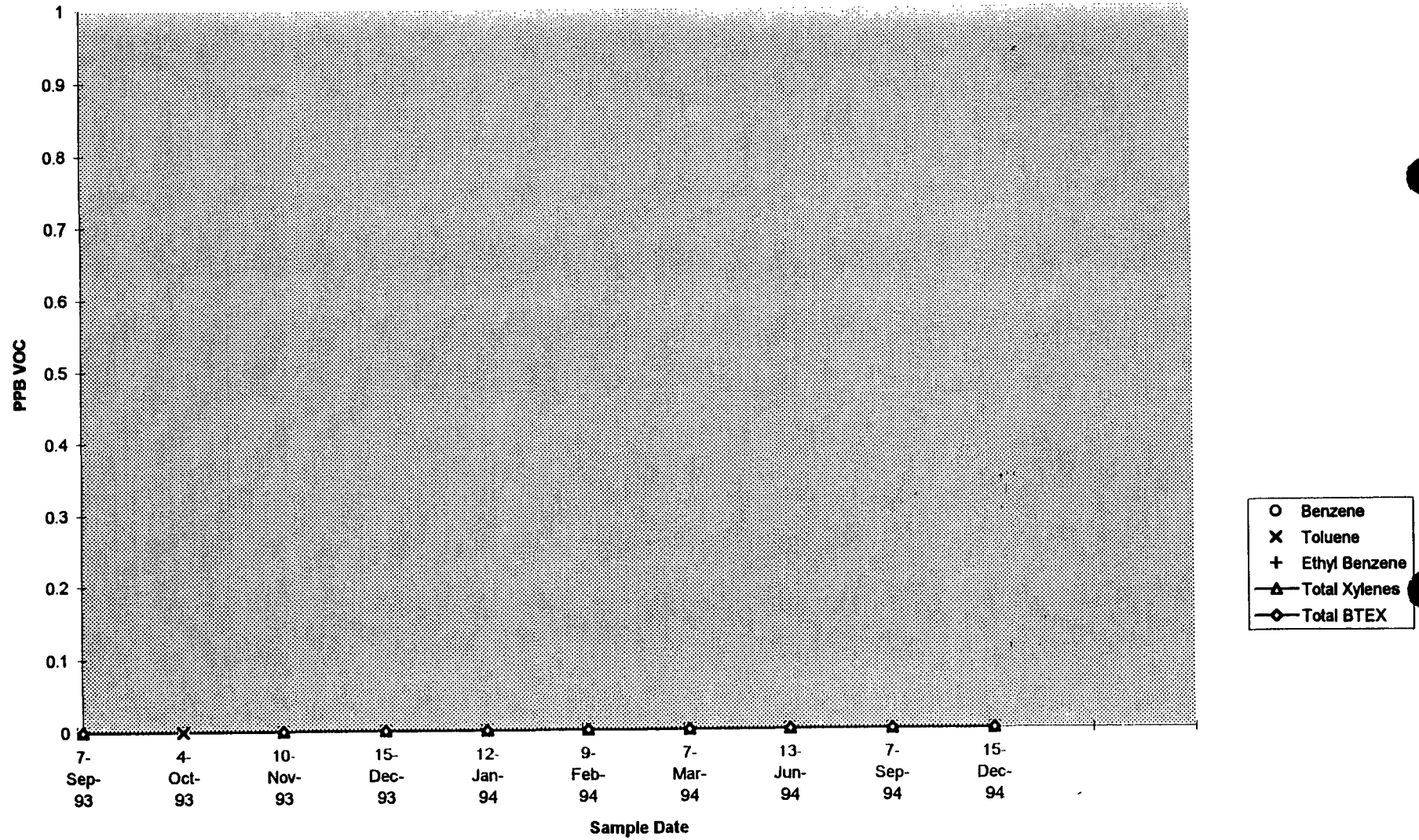
Jaquez Monitor Well R-4



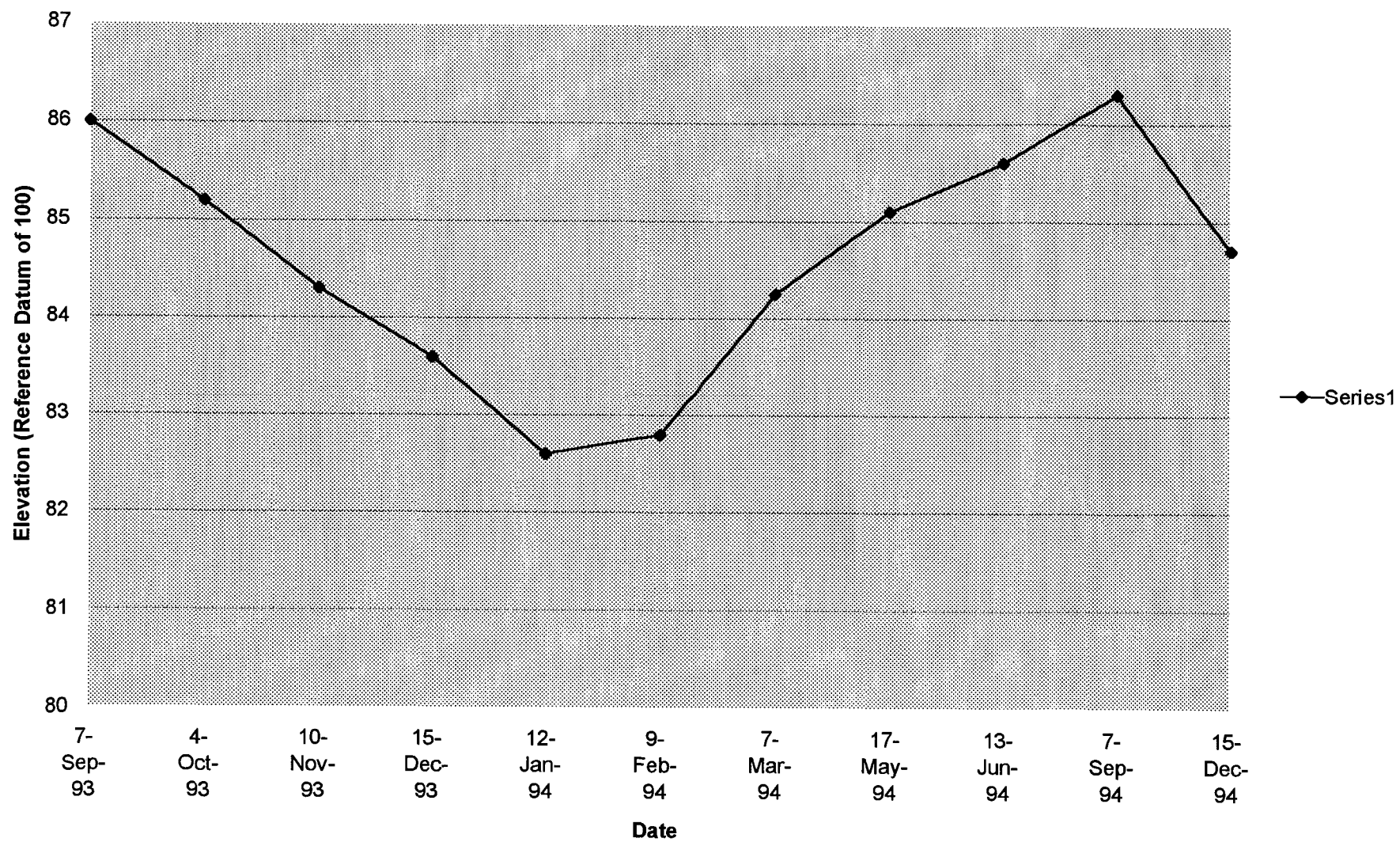
Monitor Well R-4 Groundwater Elevation



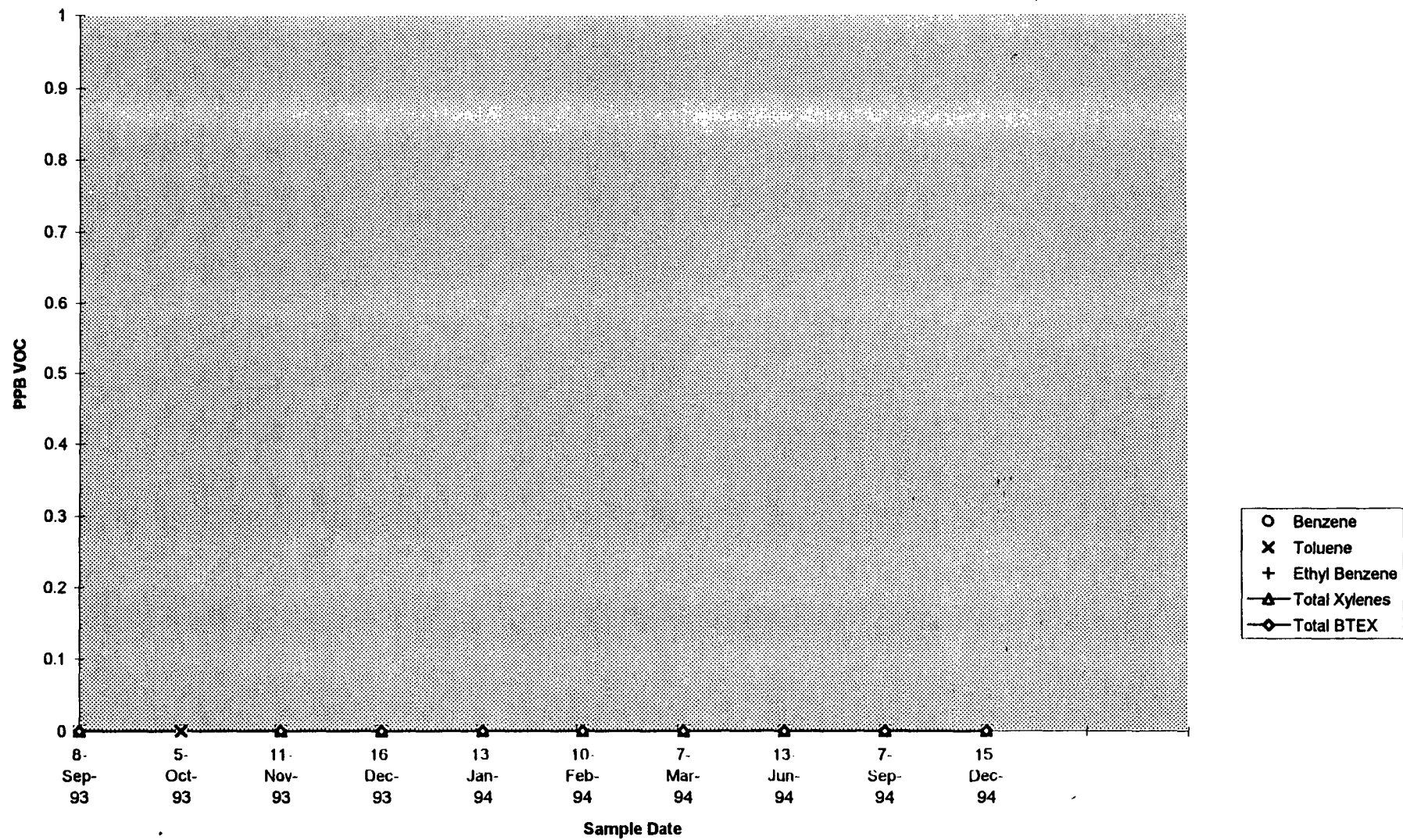
Jaquez Monitor Well R-5



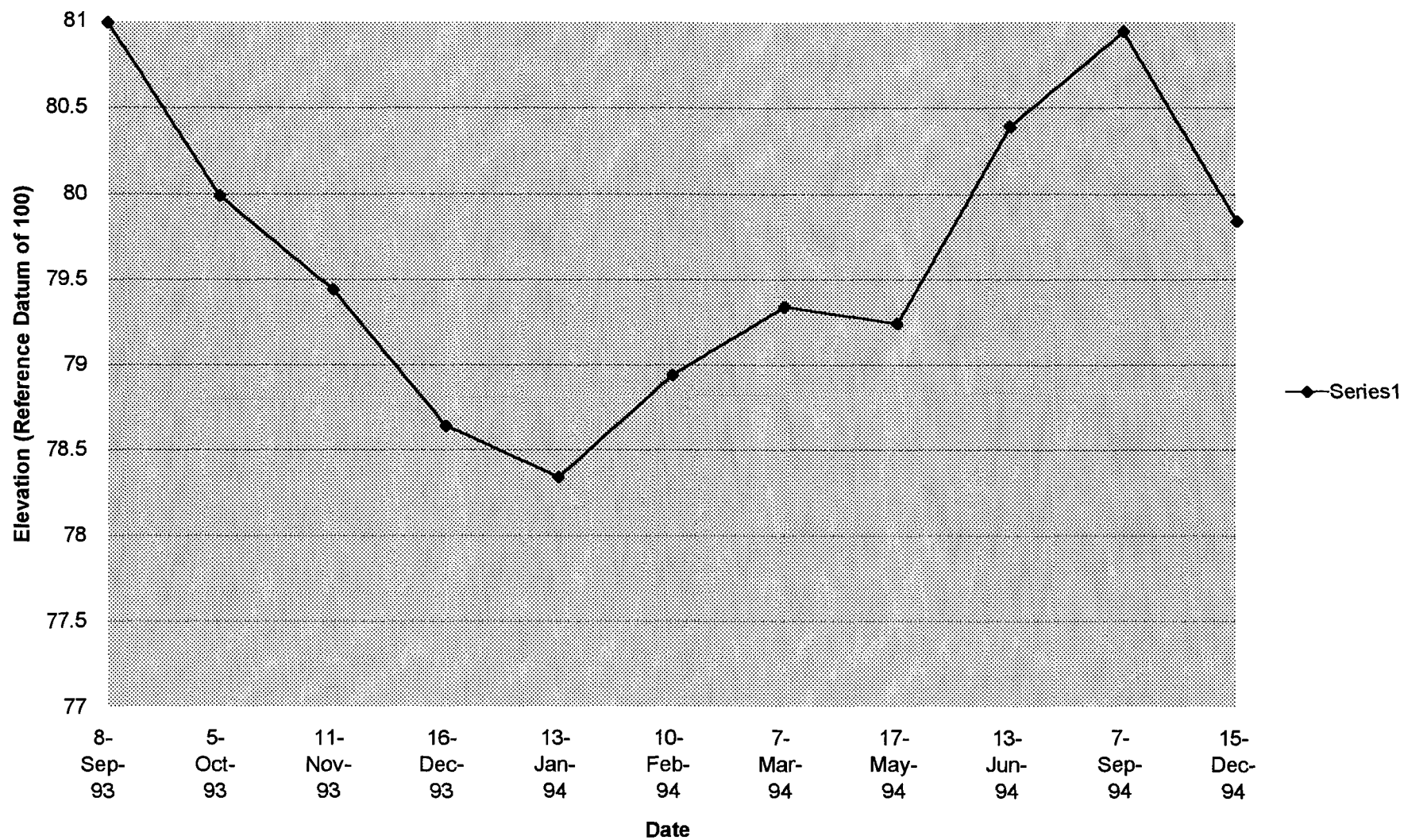
Monitor Well R-5 Groundwater Elevation



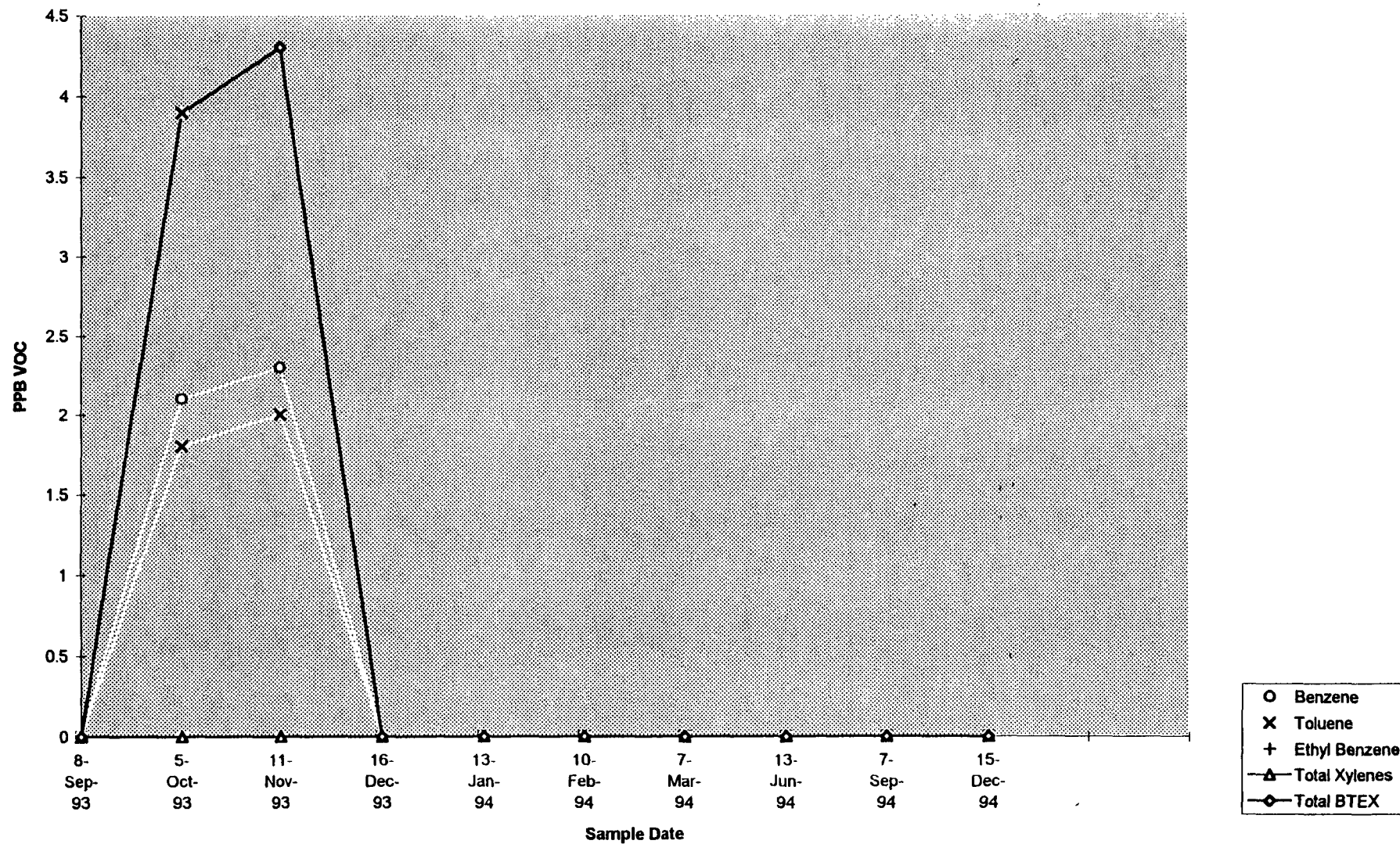
Jaquez Monitor Well M-1



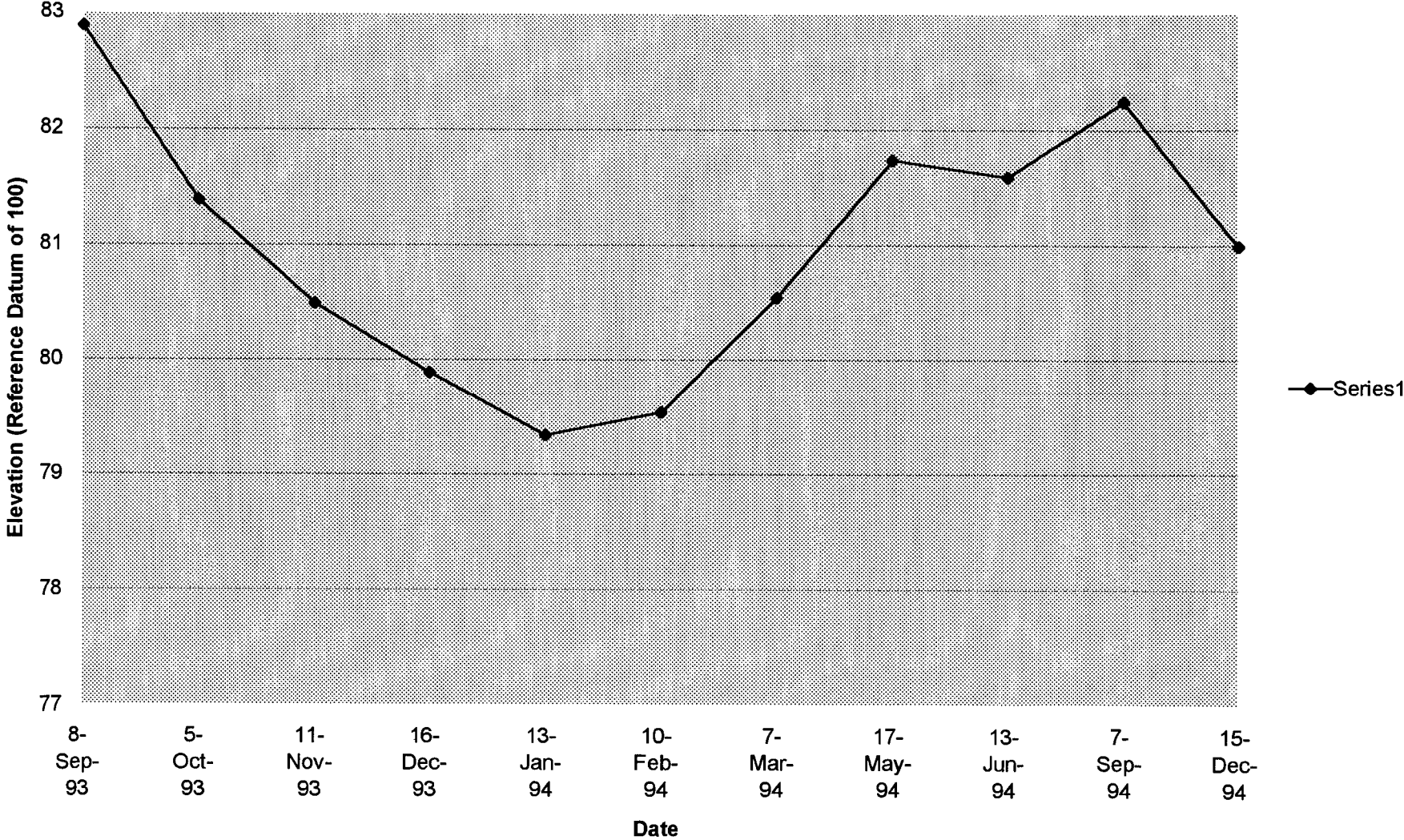
Monitor Well M-1 Groundwater Elevation



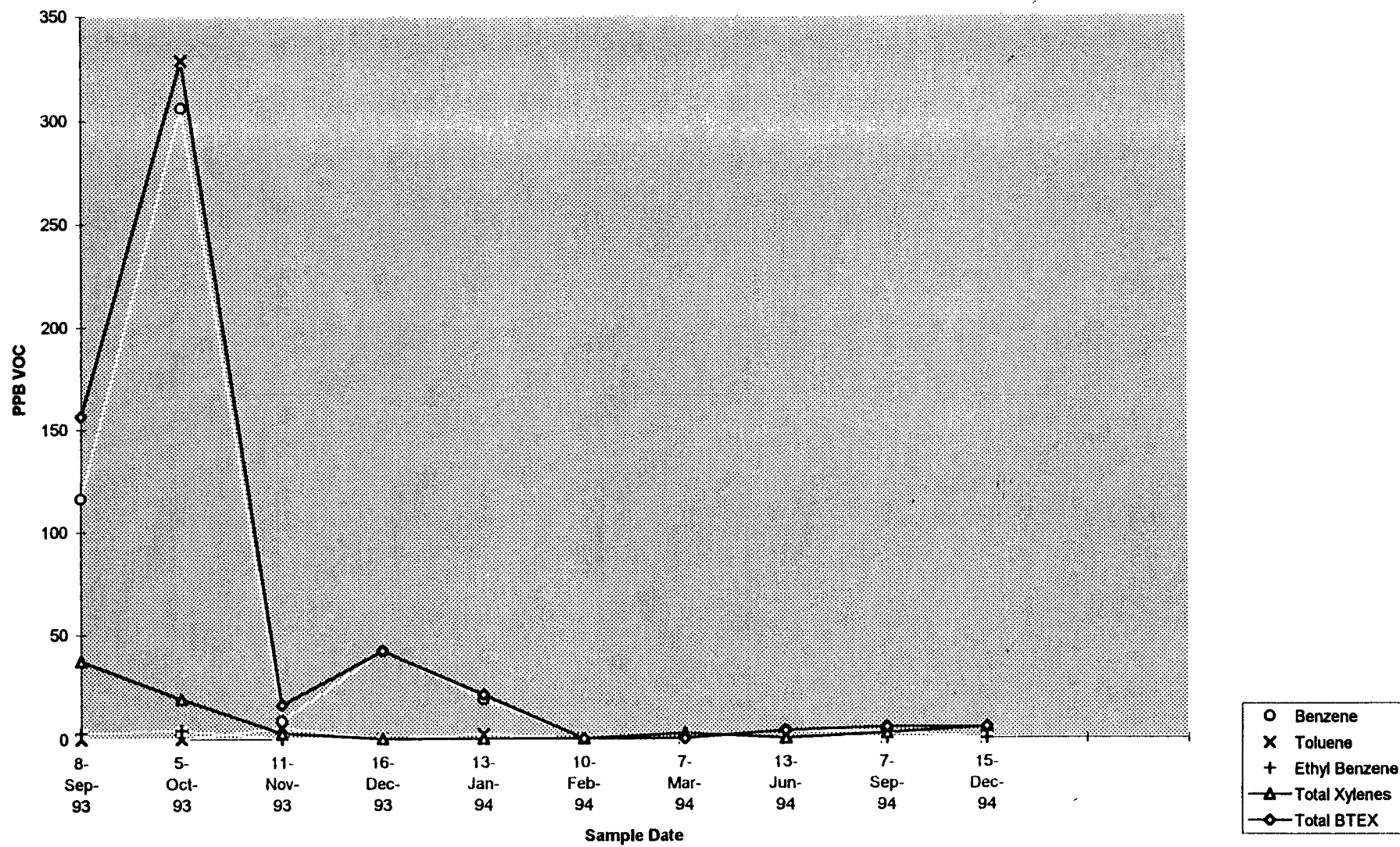
Jaquez Monitor Well M-2



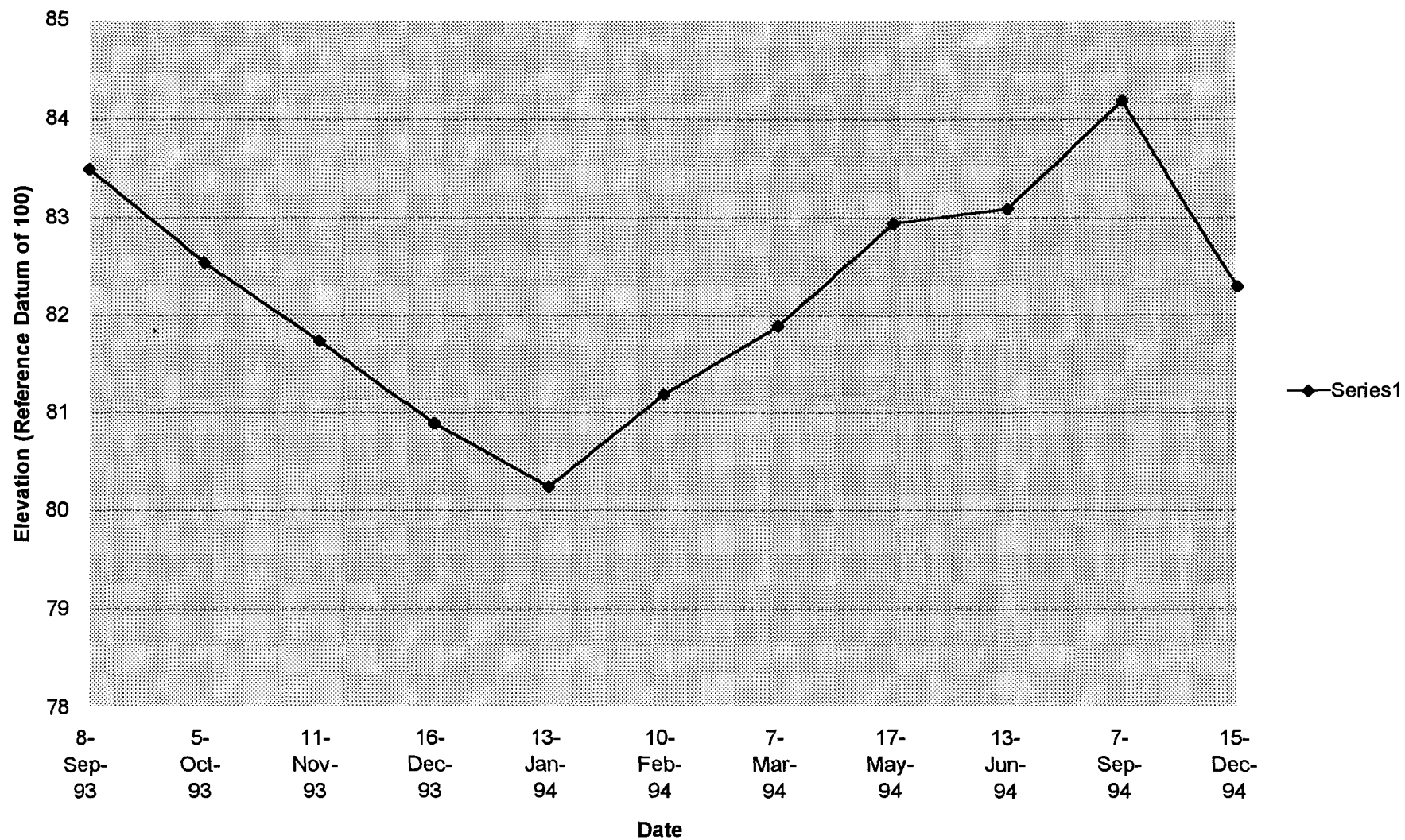
Monitor Well M-2 Groundwater Elevation



Jaquez Monitor Well M-3



Monitor Well M-3 Groundwater Elevation



Jaquez Monitor Well M-4

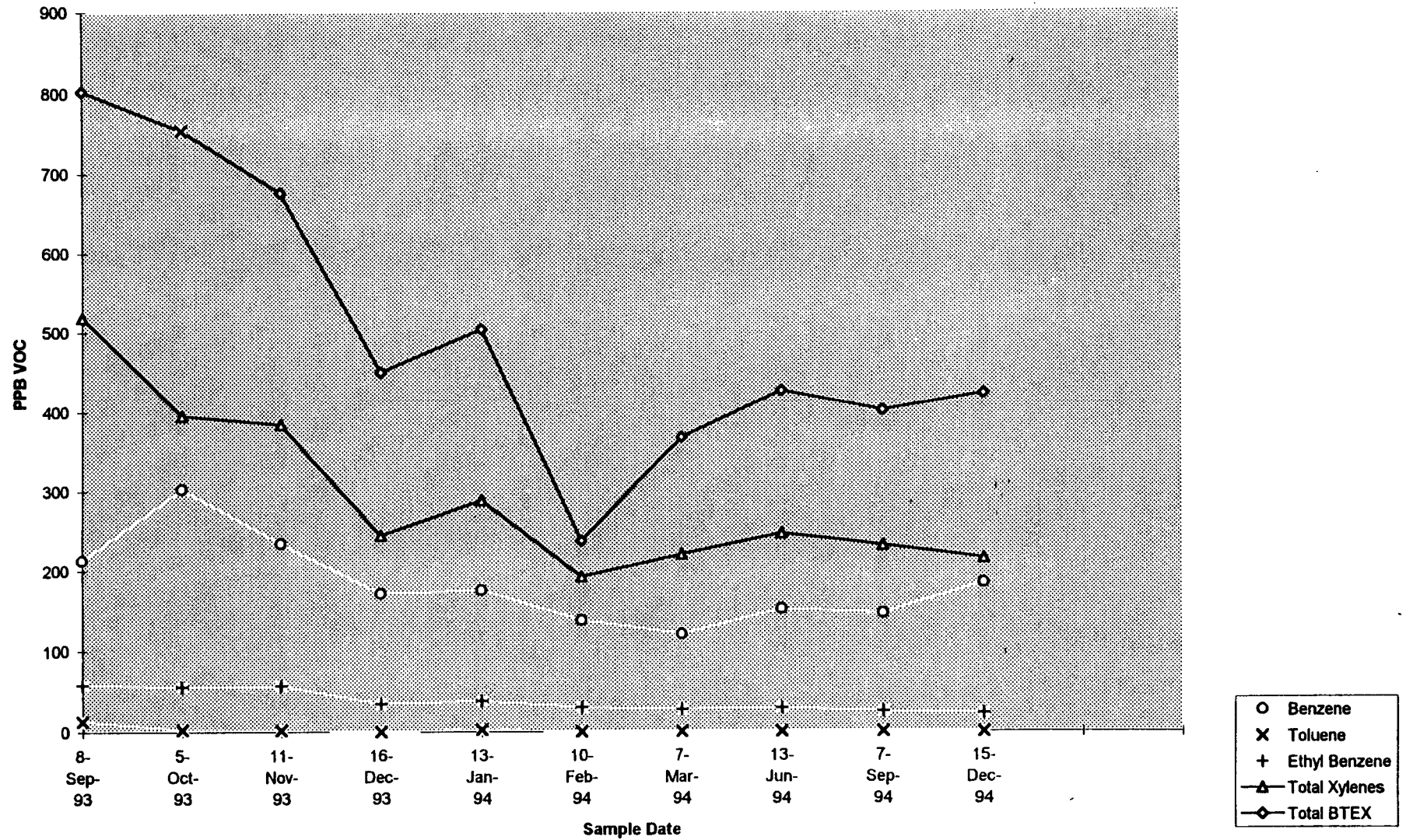
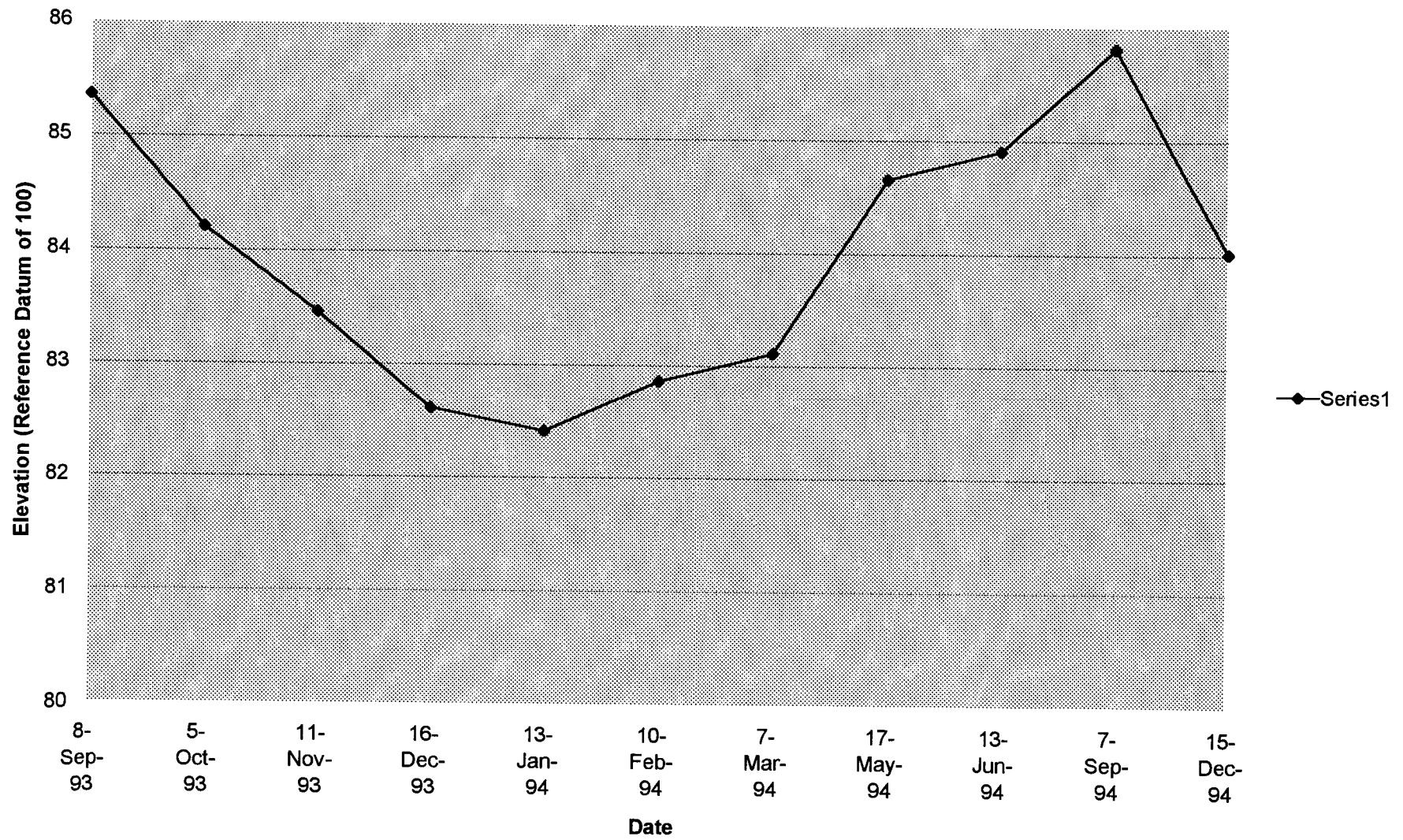
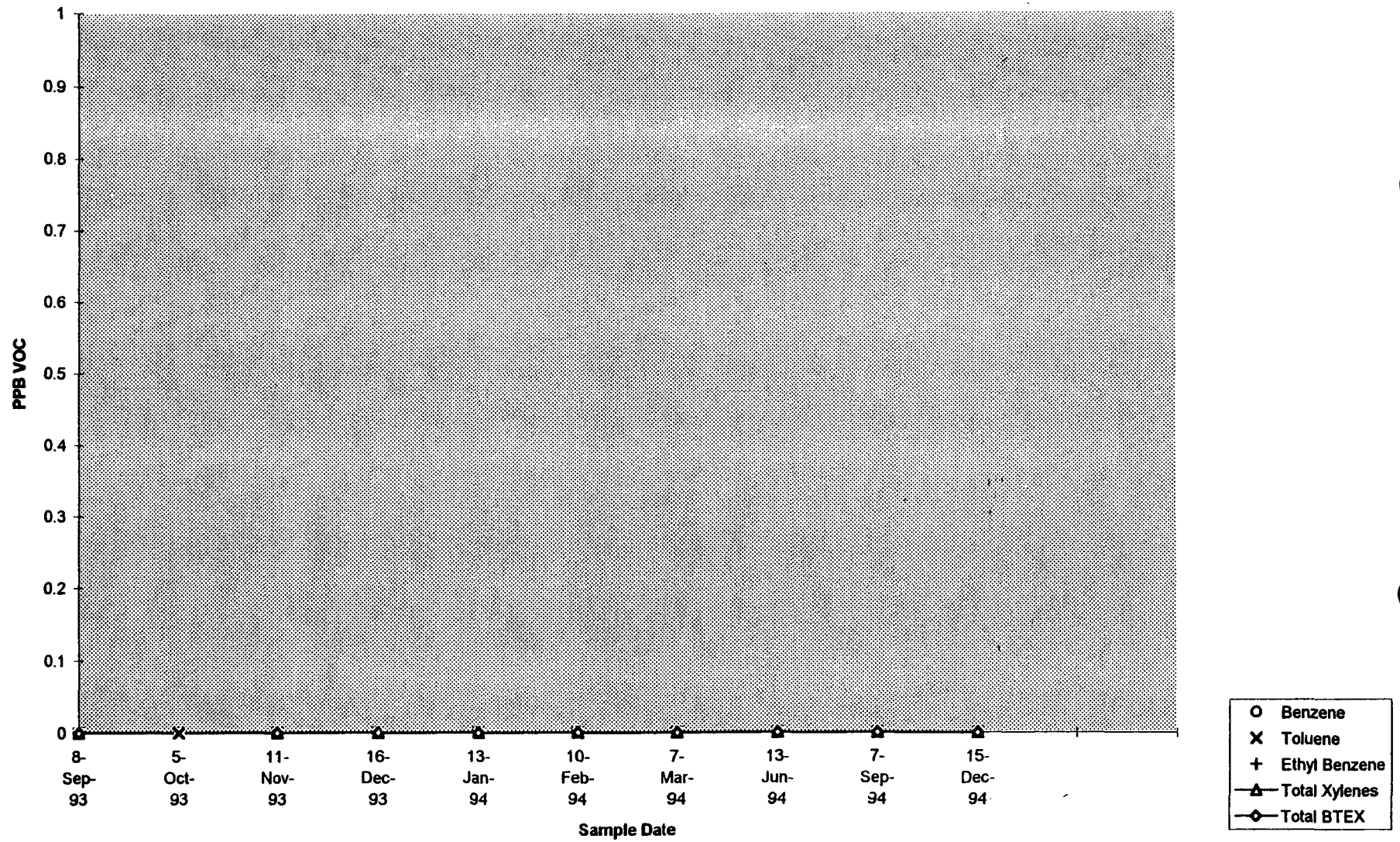


Chart9

Monitor Well M-4 Groundwater Elevation



Jaquez Monitor Well M-5



Monitor Well M-5 Groundwater Elevation

