



MONTGOMERY WATSON

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WAUSAU DNR

December 24, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: November Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the November Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. The report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Senior Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
NOVEMBER 1997**

SUMMARY OF NOVEMBER 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected during the previous month, on October 24, 1997, confirmed that the effluent PCP concentration was less than 10 ug/L. The results of the November monthly sampling will be reported in the December monthly report.

PCP influent concentrations ranged from 7,552 ug/L to 18,724 ug/L during November 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Total treatment efficiency with the fixed film reactor (FFR) (before the polishing units) was 90% to 97% during October 1997. Total treatment efficiency continues to be greater than 99%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for November was 468 gal compared to 891 gal removed in October. As shown in Figure 3, the decrease in product recovery during November is attributable to an unscheduled shutdown of the extraction system on October 25, 1997. The system automatically shut down due to an open recirculation valve. The temporary shutdown allowed water levels to increase immediately adjacent to the extraction wells. This has the temporary effect of reducing free product in the well vicinity.

The reduced product recovery during the first half of November afforded the opportunity to perform maintenance and redevelopment on extraction wells PW04, PW05, and PW07. Product recovery during the second half of November and early December began to rebound after resumption of more typical flow rates through the extraction system.

Groundwater Monitoring

Groundwater elevation and product thickness data for September, October, and November are summarized in Table 4. The winter round of semi-annual groundwater sampling and analysis is scheduled for the last week of December.

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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	24-Oct-97	28	14			ND
Chemical Oxygen Demand	mg/L	24-Oct-97	59	53			18
Chloride	mg/L	24-Oct-97	132	147			140
Dissolved Oxygen	mg/L	20-Oct-97	6.8	2.6	4.6	3	0.2
		24-Oct-97	6.2	1.3	4	2.2	0.3
		27-Oct-97	6.2	1.3	4	2.2	0.3
		30-Oct-97	7.3	2.2	5	3.4	0.2
		3-Nov-97	7	2.4	4.2	2.6	0.3
		6-Nov-97	7	2.3	4.4	2.7	0.2
		11-Nov-97	9.2	4.8	6.8	4	0.3
		14-Nov-97	7.7	2.3	5.7	4	0.3
		17-Nov-97	8	3.4	6.5	4.6	0.3
		20-Nov-97	8.1	3.4	6.4	4.7	0.2
		26-Nov-97	8.1	3.5	5.6	3.7	0.2
		30-Nov-97	8	3.5	5.6	3.4	0.2
Nitrogen, Ammonia		20-Oct-97	3	ND	ND	ND	
		24-Oct-97	3	ND	ND	ND	
		27-Oct-97	3	ND	ND	ND	
		30-Oct-97	3	ND	ND	ND	
		3-Nov-97	3	ND	ND	ND	
		6-Nov-97	3	ND	ND	ND	
		11-Nov-97	4	ND	ND	ND	
		14-Nov-97	4	ND	ND	ND	
		17-Nov-97	3	0.5	0.5	0.5	
		20-Nov-97	3	ND	ND	ND	
		26-Nov-97	3	ND	ND	ND	
		30-Nov-97	3	ND	ND	ND	
Nitrogen, Nitrate	mg/L	20-Oct-97	ND	ND		ND	
		24-Oct-97	ND	ND		ND	
		27-Oct-97	ND	ND		ND	
		30-Oct-97	ND	ND		ND	
		3-Nov-97	ND	ND		ND	
		6-Nov-97	ND	ND		ND	
		11-Nov-97	ND	ND		ND	
		14-Nov-97	ND	ND		ND	
		17-Nov-97	ND	ND		0.5	
		20-Nov-97	ND	ND		ND	
		26-Nov-97	ND	ND		ND	
		30-Nov-97	ND	ND		ND	
Nitrogen, Nitrate + Nitrite	mg/L	24-Oct-97	0.31	1.08			0.25
Nitrogen, Total Kjeldahl	mg/L	24-Oct-97	2.3	1.3			ND

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen	ug/L	20-Oct-97	16394	1004		931	ND
		21-Oct-97					ND
		22-Oct-97					ND
		23-Oct-97					ND
		24-Oct-97	13256	825		650	ND
		25-Oct-97					ND
		26-Oct-97					ND
		27-Oct-97	14234	878		821	ND
		28-Oct-97					ND
		29-Oct-97					ND
		30-Oct-97	14759	797		804	ND
		31-Oct-97					ND
		1-Nov-97					ND
		2-Nov-97					ND
		3-Nov-97	15267	521		399	ND
		4-Nov-97					ND
		5-Nov-97					ND
		6-Nov-97	11842	1362		1070	ND
		7-Nov-97					ND
		8-Nov-97					ND
		9-Nov-97					ND
		10-Nov-97					ND
		11-Nov-97	11794	771		614	ND
		12-Nov-97					ND
		13-Nov-97					ND
		14-Nov-97	9567	994		796	ND
		15-Nov-97					ND
		16-Nov-97					ND
		17-Nov-97	18724	1629		910	ND
		18-Nov-97					ND
		19-Nov-97					ND
		20-Nov-97	7552	626		755	ND
		21-Nov-97					ND
		22-Nov-97					ND
		23-Nov-97					ND
		24-Nov-97					ND
		25-Nov-97					ND
		26-Nov-97	12145	745		598	ND
		27-Nov-97					ND
		28-Nov-97					ND
		29-Nov-97					ND
		30-Nov-97	9645	702		564	ND
pH	S.U.	20-Oct-97	6.6	6.7		6.7	6.7
		24-Oct-97	6.6	6.6		6.6	6.6
		27-Oct-97	6.5	6.6		6.6	6.6
		30-Oct-97	6.5	6.6		6.6	6.7

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
pH	S.U.	3-Nov-97	6.5	6.5		6.7	6.5
		6-Nov-97	6.5	6.6		6.6	6.7
		11-Nov-97	6.6	6.7		6.6	6.7
		14-Nov-97	6.1	6.3		6.4	6.4
		17-Nov-97	6.6	6.7		6.7	6.6
		20-Nov-97	6.6	6.7		6.7	6.6
		26-Nov-97	6.6	6.6		6.6	6.7
		30-Nov-97	6.6	6.7		6.7	6.6
Phosphorus, Ortho	mg/L	24-Oct-97	0.39	0.26			0.2
Phosphorus, Phosphate	mg/L	20-Oct-97	0.5	0.5		ND	
		24-Oct-97	ND	ND		ND	
		27-Oct-97	1.5	1		1	
		30-Oct-97	1	1		1	
		3-Nov-97	0.5	0.5		0.5	
		6-Nov-97	1	1		0.5	
		11-Nov-97	2	0.5		0.5	
		14-Nov-97	1	1		1	
		17-Nov-97	2	1		ND	
		20-Nov-97	1.5	1		0.5	
		26-Nov-97	1.5	1		0.5	
		30-Nov-97	1.5	1		0.5	
Solids, Total Suspended	mg/L	24-Oct-97	12	5		5	ND
Phenols							
2,3,4,6-Tetrachlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,4,5-Trichlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,4,6-Trichlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,4-Dichlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,4-Dimethylphenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,4-Dinitrophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2,6-Dichlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2-Chlorophenol	ug/L	24-Oct-97	ND	ND		ND	ND
2-Methylphenol	ug/L	24-Oct-97	ND	ND		ND	ND
2-Nitrophenol	ug/L	24-Oct-97	ND	ND		ND	ND
3&4-Methylphenol	ug/L	24-Oct-97	ND	ND		ND	ND
4,6-Dinitro-2-Methylphenol	ug/L	24-Oct-97	ND	ND		ND	6
4-Chloro-3-Methylphenol	ug/L	24-Oct-97	ND	ND		ND	ND
4-Nitrophenol	ug/L	24-Oct-97	ND	ND		ND	ND
Pentachlorophenol	ug/L	24-Oct-97	11000	390		180	4.6
Phenol	ug/L	24-Oct-97	ND	ND		ND	ND

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
11/1/97	20.84	20.84	2,150,140	0
11/2/97	21.00	21.00	2,180,150	0
11/3/97	21.00	21.00	2,210,390	0
11/4/97	22.25	22.25	2,242,430	0
11/5/97	20.51	20.51	2,271,960	0
11/6/97	20.08	20.08	2,300,880	0
11/7/97	16.97	16.97	2,325,320	0
11/8/97	16.97	16.97	2,349,760	0
11/9/97	16.97	16.97	2,374,200	0
11/10/97	15.63	15.63	2,396,700	0
11/11/97	19.06	19.06	2,424,150	0
11/12/97	19.65	19.65	2,452,450	0
11/13/97	20.41	20.41	2,481,840	0
11/14/97	22.81	22.81	2,514,690	0
11/15/97	22.81	22.81	2,547,540	0
11/16/97	22.81	22.81	2,580,390	0
11/17/97	22.77	22.77	2,613,180	0
11/18/97	23.00	23.00	2,646,300	0
11/19/97	23.28	23.28	2,679,830	0
11/20/97	22.86	22.86	2,712,750	0
11/21/97	23.57	23.57	2,746,690	0
11/22/97	23.57	23.57	2,780,630	0
11/23/97	23.57	23.57	2,814,570	0
11/24/97	23.57	23.57	2,848,510	0
11/25/97	18.52	18.52	2,875,180	0
11/26/97	22.06	22.06	2,906,940	0
11/27/97	22.06	22.06	2,938,700	0
11/28/97	22.06	22.06	2,970,460	0
11/29/97	22.06	22.06	3,002,220	0
11/30/97	22.06	22.06	3,033,980	0
Average:	21.2	21.2		0
Total ⁽²⁾ :			883,840	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3
Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
11/1/97	3.44	0	0	0	1.72	1.72	0	3.44	0	0	10.32
11/2/97	6.88	0	0	0	1.72	5.16	0	8.6	0	0	22.36
11/3/97	3.44	0	0	0	1.72	8.6	0	10.32	0	0	24.08
11/4/97	1.72	0	0	0	1.72	3.44	0	3.44	0	1.72	12.04
11/5/97	1.72	0	0	0	0	3.44	0	3.44	0	3.44	12.04
11/6/97	5	0	0	0	2	10	0	5	0	5.16	27.16
11/7/97	0	0	0	0	0	3.44	0	3.44	0	5.16	12.04
11/8/97	0	0	0	0	0	5.16	0	5.16	0	3.44	13.76
11/9/97	0	0	0	0	1.72	5.16	0	5.16	0	5.16	17.2
11/10/97	0	0	0	0	1.72	5.16	0	5.16	0	3.44	15.48
11/11/97	0	0	0	0	0	5.16	0	3.44	0	1.72	10.32
11/12/97	0	0	0	0	0	5.16	0	3.44	0	1.72	10.32
11/13/97	0	0	0	0	1.72	12.04	0	3.44	0	1.72	18.92
11/14/97	0	0	0	0	1.72	10	0	3.44	0	1.72	16.88
11/15/97	0	0	0	0	1.72	6.88	0	3.44	0	0	12.04
11/16/97	1.72	0	0	0	1.72	8.6	0	6.88	0	1.72	20.64
11/17/97	0	0	0	0	0	6.88	0	5	0	1.72	13.6
11/18/97	1.72	1.72	0	0	1.72	5.16	0	3.4	0	1.72	15.44
11/19/97	0	0	0	0	0	10.32	0	3.44	0	3.44	17.2
11/20/97	0	0	0	0	0	5.16	0	3.44	0	3.44	12.04
11/21/97	1.72	0	0	0	1.72	3.44	0	6.88	0	3.44	17.2
11/22/97	0	0	0	0	0	5.16	0	5.16	0	3.44	13.76
11/23/97	0	0	0	0	0	8.6	0	5.16	0	1.72	15.48
11/24/97	1.72	1.72	0	0	0	8.6	0	6.88	0	1.72	20.64
11/25/97	0	0	0	0	1.72	8.6	0	3.44	0	3.44	17.2
11/26/97	0	0	0	0	0	8.6	0	3.44	0	1.72	13.76
11/27/97	1.72	0	0	0	0	8.6	0	3.44	0	1.72	15.48
11/28/97	0	1.72	0	0	0	3.4	0	3.44	0	0	8.56
11/29/97	0	0	0	0	1.72	13.76	0	3.44	0	1.72	20.64
11/30/97	1.72	0	0	0	0	8.6	0	0	0	1.72	12.04
Total	32.52	5.16	0	0	26.08	204	0	133.8	0	67.08	468.64

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	September 30 1997		October 29 1997		November 25 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1162.62	----	1162.67	----	1162.46
PW02	----	1162.58	----	1162.57	----	1162.30
PW03	----	1162.53	----	1162.63	----	1162.37
PW3S	0.50	1160.11	0.43	1160.25	----	1160.41
PW04	3.40	1152.90	0.44	1155.12	0.50	1156.04
PW05	0.70	1154.03	0.38	1154.25	0.14	1153.36
PW06	0.43	1161.65	0.40	1161.71	0.11	1161.69
PW07	0.40	1156.30	0.35	1155.65	0.23	1156.92
PW08	0.12	1160.84	0.49	1160.52	----	1160.72
PW9I	----	1163.58	----	1162.28	----	1161.38
PW9O	----	1162.94	----	1163.74	----	1161.33
PW10	1.85	1158.91	2.52	1158.36	2.06	1158.33
PW11	----	1157.90	0.08	1158.41	-0.05	1158.13
PW12	----	1162.61	1.05	1161.86	----	1162.54
PW13	0.70	1158.50	0.90	1157.83	3.60	1155.20
PW14	----	1161.67	----	1161.56	----	1161.31
PW15	0.40	1161.31	0.61	1161.01	----	1161.32
PW16	0.50	1157.08	0.55	1156.90	0.58	1156.68
P01	0.20	1161.36	0.50	1161.13	----	1161.36
OW01	----	1162.93	----	1162.92	----	1161.72
W01A	----	1164.08	----	1163.16	----	1162.90
W01B	----	1163.06	----	1163.15	----	1162.90
W02	----	1162.40	----	1162.46	----	1162.32
W03A	0.30	1160.94	0.45	1160.99	----	1161.16
W03B	----	1161.44	----	1161.51	----	1161.35
W04A	0.42	1161.66	0.56	1161.53	0.53	1160.81
W04B	0.26	1161.79	0.22	1161.84	0.09	1161.68
W05	0.96	1160.60	1.50	1160.12	0.37	1161.00
W06R	0.30	1162.65	0.89	1162.12	0.05	1162.74
W07	----	1162.68	----	1162.70	----	1162.40
W08	----	1171.78	----	1171.90	----	1171.59
W09	----	1162.02	----	1162.10	----	1162.01
W10A	----	1160.95	----	1161.01	----	1160.97
W10B	----	1160.96	----	1161.01	----	1160.96
W11	----	1160.80	----	1160.86	----	1160.75
W12	----	1160.40	----	1160.45	----	1160.38
W13	----	1161.32	----	1161.39	----	1161.26
W14	----	1159.46	----	1159.45	----	1159.37
W16	----	1161.57	----	1161.63	----	1161.38
W17	0.20	1161.24	0.90	1160.59	0.29	1160.80
W18	----	1161.01	----	1161.03	----	1161.03
W19	----	1162.31	----	1163.00	----	1162.25

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	September 30 1997		October 29 1997		November 25 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.70	----	1160.74	----	1160.71
W22	----	1161.26	----	1161.37	----	1161.05
W23	----	1160.58	----	1160.62	----	1160.56
W24A	----	1160.55	----	1160.58	----	1160.51
W25	----	1163.13	----	1163.16	----	1162.88
W26	----	1160.90	----	1160.94	----	1160.86
W27	----	1161.31	----	1161.35	----	1161.13
W28	----	1160.93	----	1160.93	----	1161.00
W29	----	1160.84	----	1160.85	----	1160.81
W30	----	1160.84	0.83	1160.73	0.76	1160.47
W31	----	1160.79	----	1160.80	----	1160.83
W32	----	1160.80	----	1160.80	----	1160.83
W33	----	1161.78	----	1161.82	----	Frozen
W34	0.27	1158.14	0.22	1158.30	----	1158.15
W35	0.98	1160.63	1.03	1160.64	----	1160.33
W36	----	1161.93	----	1162.07	----	1161.90
W39	----	1161.83	----	1161.83	----	Frozen
W40	0.77	1160.57	0.91	1160.47	----	Frozen
W41	----	1161.94	----	1162.37	----	Frozen
W42	----	1162.27	----	1162.42	0.41	1161.72
W44	0.10	1161.53	0.34	1161.44	----	1161.48
W45	----	1161.98	0.08	1161.68	----	1161.38
W46	0.95	1160.72	0.99	1160.67	----	1161.30
W47	2.10	1155.39	2.23	1155.49	2.54	1154.75
W48	0.25	1157.98	0.50	1157.85	----	1158.00
W49	0.70	1157.81	0.96	1157.53	----	1158.11
W66	----	1162.83	----	1162.95	----	1162.68
W67	----	1162.82	----	1162.86	----	1162.63
W68A	----	1162.75	0.32	1162.62	0.53	1162.73
W68B	----	1162.73	----	1162.81	----	1162.62
W69	0.49	1161.41	0.51	1161.45	0.35	1161.10
W70B	----	1162.63	----	1162.72	----	1162.48
River	----	No Gauge	----	No Gauge	----	Frozen

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

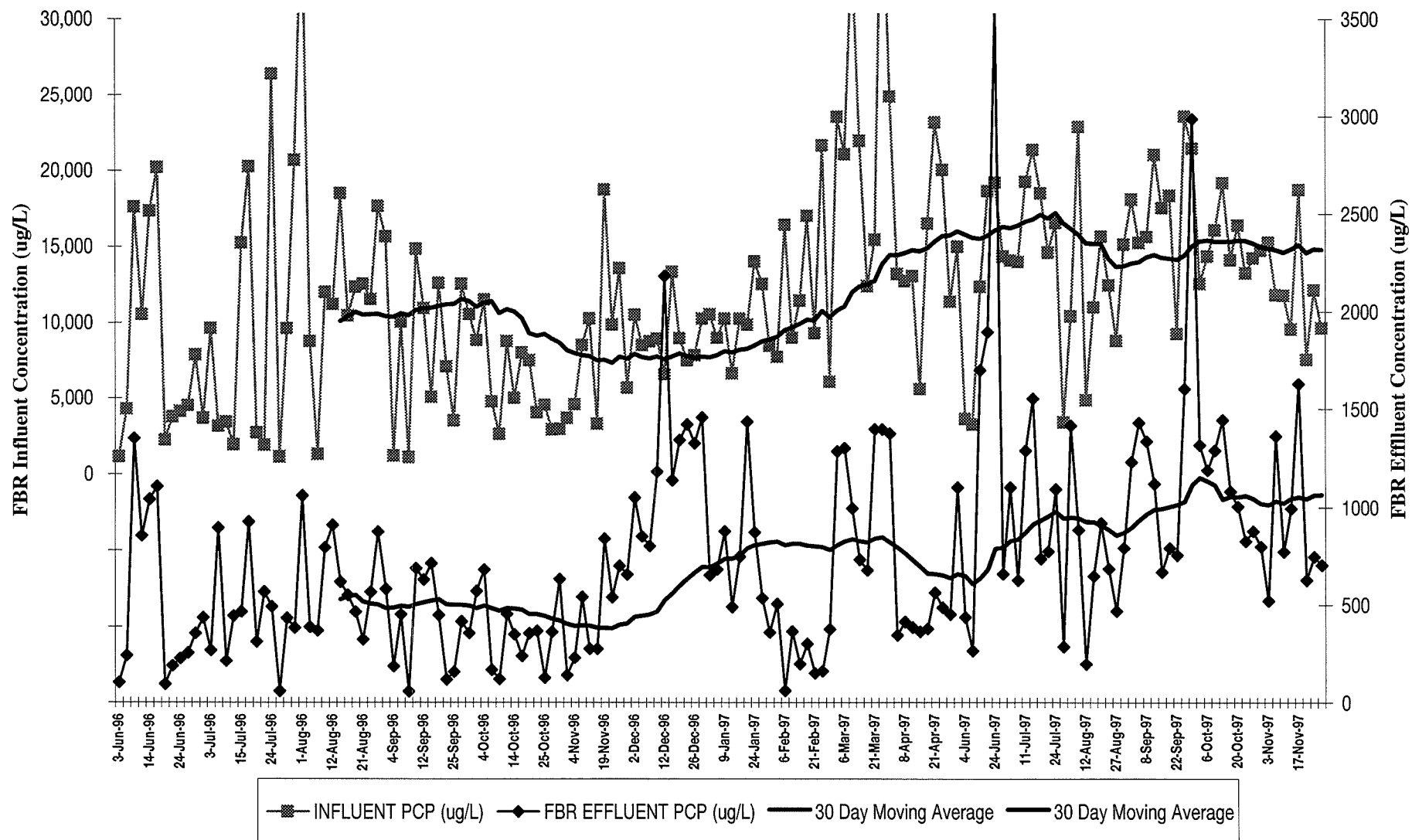


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates

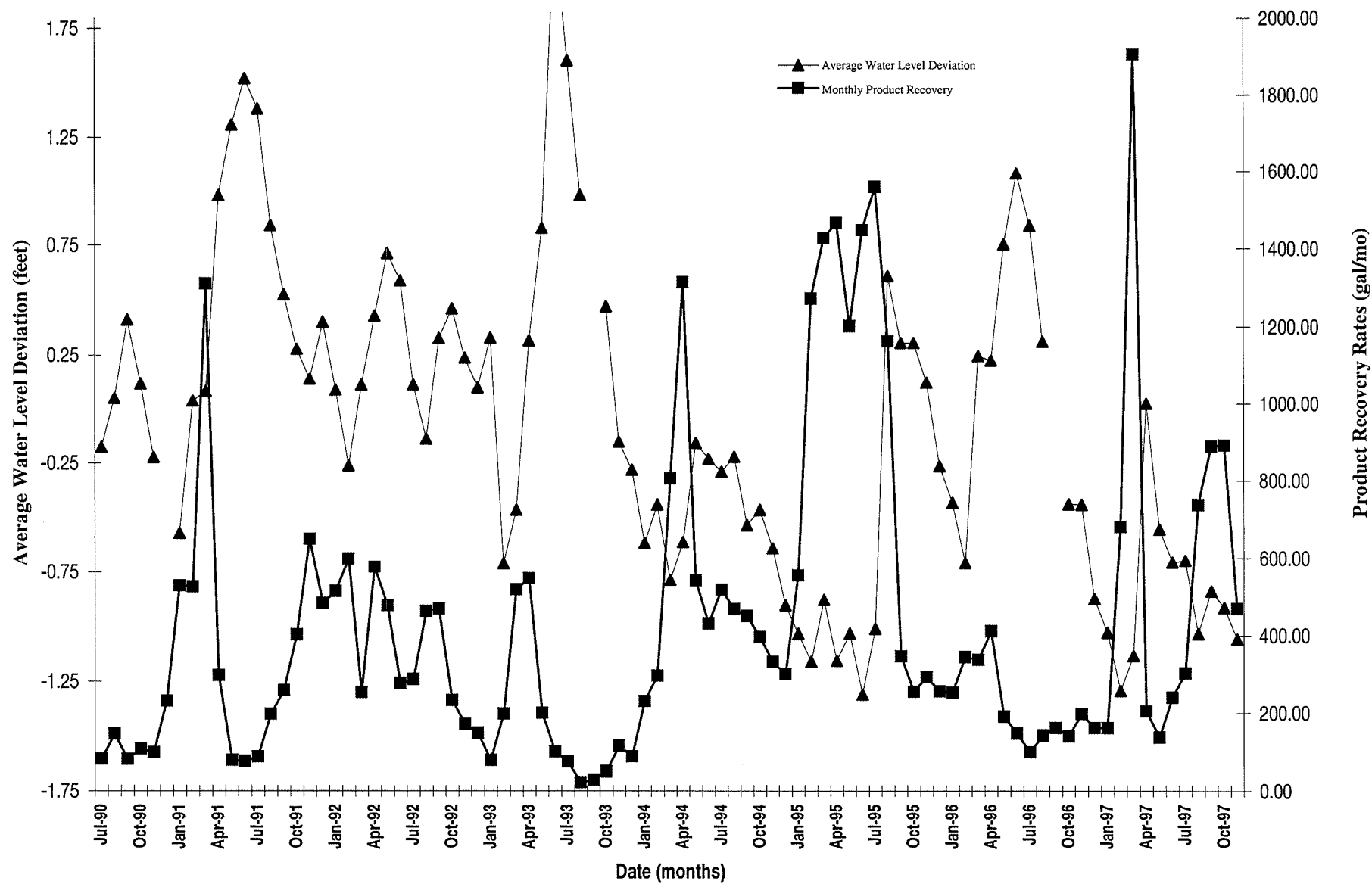
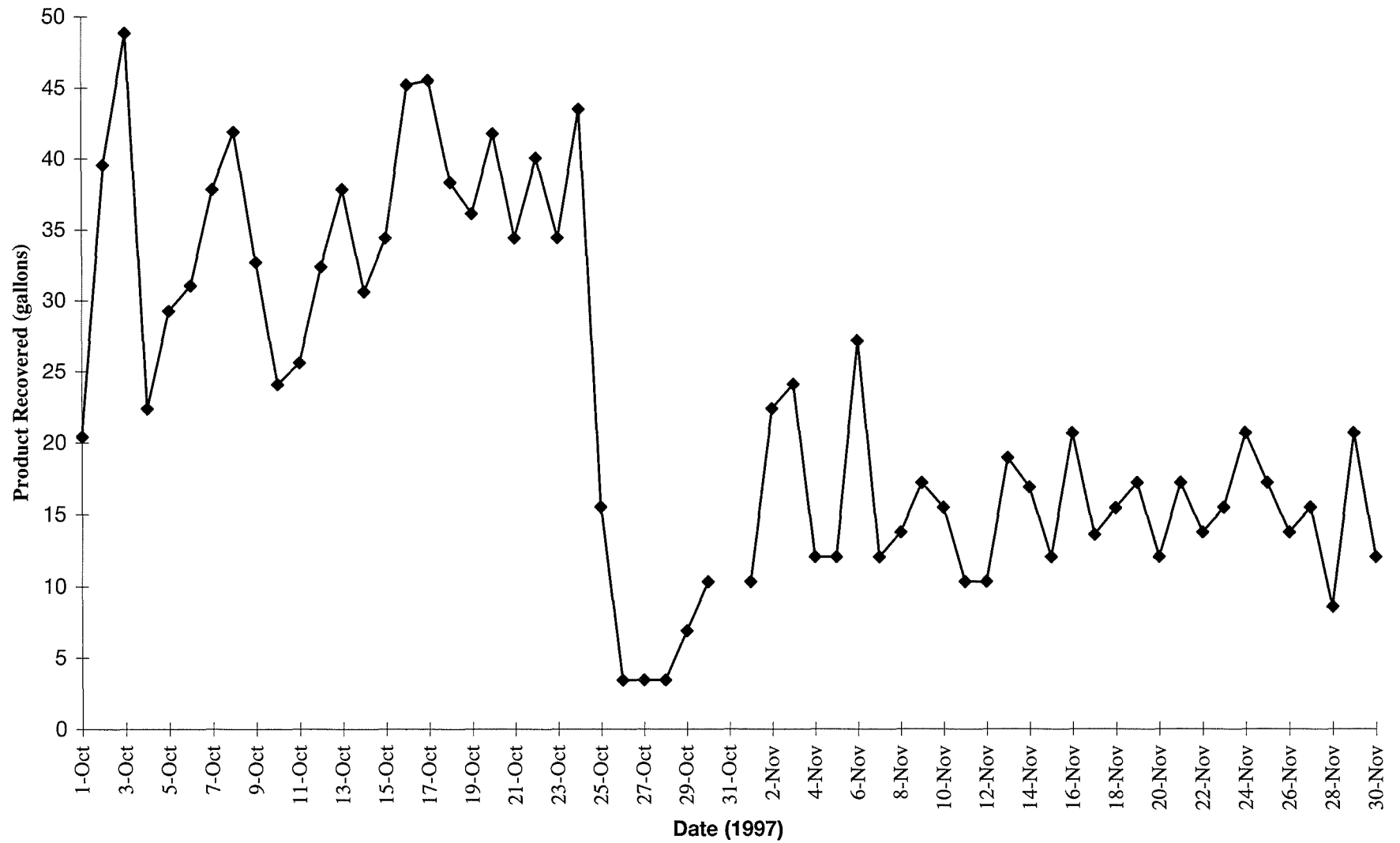


FIGURE 3
Daily Product Recovery





MONTGOMERY WATSON

02-37-000006 12/17/97

December 17, 1997

RECEIVED
DEC 18 1997
WAUSAU DNR

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: October Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the October Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. The report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Senior Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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1242057.04810101-MD

**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
OCTOBER 1997**

SUMMARY OF OCTOBER 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected during the previous month, on September 19, 1997, confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 12,565 ug/L to 19,170 ug/L during October 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Total treatment efficiency with the fixed film reactor (FFR) (before the polishing units) was 89% to 95% during October 1997. Total treatment efficiency continues to be greater than 99%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for October was 891 gal compared to 888 gal removed in September. The product recovery increased at each well except PW5, PW10, and PW13. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for August, September, and October are summarized in Table 4.

JDD/jdd/djh/DJB
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1242057.04810101-MD

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	09/19/97	20	11			0
Chemical Oxygen Demand	mg/L	09/19/97	48	21			0
Chloride	mg/L	09/19/97	132	143			139
Dissolved Oxygen	mg/L	09/22/97	8.2	3	5.7	3.8	0.3
	mg/L	09/25/97	8.5	2.8	5.8	3.8	0.3
	mg/L	09/30/97	7.1	2	4.1	2.5	0.2
	mg/L	10/02/97	7.4	2.7	4.3	3	0.2
	mg/L	10/06/97	7.7	2.6	4.8	2.4	0.2
	mg/L	10/09/97	8.2	3.4	5	3.4	0.4
	mg/L	10/14/97	6.2	1.6	4.6	2.7	0.2
	mg/L	10/17/97	7	1.6	5	3	0.2
	mg/L	10/20/97	6.8	2.6	4.6	3	0.2
	mg/L	10/24/97	6.2	1.3	4	2.2	0.3
	mg/L	10/27/97	6.2	1.3	4	2.2	0.3
	mg/L	10/30/97	7.3	2.2	5	3.4	0.2
Nitrogen, Ammonia	mg/L	09/22/97	3	0.5	0.5	0.5	
	mg/L	09/25/97	4	0	0	0	
	mg/L	09/30/97	3	0	0	0	
	mg/L	10/02/97	3	0	0	0	
	mg/L	10/06/97	3	0	0	0	
	mg/L	10/09/97	3	0	0	0	
	mg/L	10/14/97	3	0	0	0	
	mg/L	10/17/97	3	0	0	0	
	mg/L	10/20/97	3	0	0	0	
	mg/L	10/24/97	3	0	0	0	
	mg/L	10/27/97	3	0	0	0	
	mg/L	10/30/97	3	0	0	0	
Nitrogen, Nitrate	mg/L	09/22/97	0	0		0	
	mg/L	09/25/97	0	0		1	
	mg/L	09/30/97	0	0		0	
	mg/L	10/02/97	0	0		0	
	mg/L	10/06/97	0	0		0	
	mg/L	10/09/97	0	0		0	
	mg/L	10/14/97	0	0		0	
	mg/L	10/17/97	0	0		0	
	mg/L	10/20/97	0	0		0	
	mg/L	10/24/97	0	0		0	
	mg/L	10/27/97	0	0		0	
	mg/L	10/30/97	0	0		0	

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR</u> <u>Influent</u>	<u>FBR</u> <u>Effluent</u>	<u>FFR</u> <u>Influent</u>	<u>FFR</u> <u>Effluent</u>	<u>System</u> <u>Effluent</u>
Nitrogen, Nitrate + Nitrite	mg/L	09/19/97	0	1.38			0.39
Nitrogen, Total Kjeldahl	mg/L	09/19/97	3.42	1.01			0
Pentachlorophenol-Screen	ug/L	09/19/97					0
	ug/L	09/20/97					0
	ug/L	09/21/97					0
	ug/L	09/22/97	9269	752		477	0
	ug/L	09/23/97					0
	ug/L	09/24/97					0
	ug/L	09/25/97	23590	1603		917	0
	ug/L	09/26/97					0
	ug/L	09/27/97					0
	ug/L	09/28/97					0
	ug/L	09/29/97					0
	ug/L	09/30/97	21457	2987		2702	0
	ug/L	10/01/97					0
	ug/L	10/02/97	12565	1363		1269	0
	ug/L	10/03/97					0
	ug/L	10/04/97					0
	ug/L	10/05/97					0
	ug/L	10/06/97	14356	1187		1563	0
	ug/L	10/07/97					0
	ug/L	10/08/97					0
	ug/L	10/09/97	16080	1289		600	0
	ug/L	10/10/97					0
	ug/L	10/11/97					0
	ug/L	10/12/97					0
	ug/L	10/13/97					0
	ug/L	10/14/97	19170	1443		1156	0
	ug/L	10/15/97					0
	ug/L	10/16/97					0
	ug/L	10/17/97	14120	1080		902	0
	ug/L	10/18/97					0
	ug/L	10/19/97					0
	ug/L	10/20/97	16394	1004		931	0
	ug/L	10/21/97					0
	ug/L	10/22/97					0
	ug/L	10/23/97					0
	ug/L	10/24/97	13256	825		650	0
	ug/L	10/25/97					0
	ug/L	10/26/97					0
	ug/L	10/27/97	14234	878		821	0
	ug/L	10/28/97					0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR</u> <u>Influent</u>	<u>FBR</u> <u>Effluent</u>	<u>FFR</u> <u>Influent</u>	<u>FFR</u> <u>Effluent</u>	<u>System</u> <u>Effluent</u>
Pentachlorophenol-Screen	ug/L	10/29/97					0
	ug/L	10/30/97	14759	797		804	0
	ug/L	10/31/97					0
pH	S.U.	09/22/97	6.4	6.5		6.5	6.6
	S.U.	09/25/97	6.4	6.4		6.4	6.4
	S.U.	09/30/97	6.5	6.6		6.6	6.6
	S.U.	10/02/97	6.5	6.6		6.6	6.7
	S.U.	10/06/97	6.6	6.6		6.7	6.8
	S.U.	10/09/97	6.5	6.5		6.6	6.6
	S.U.	10/14/97	6.6	6.7		6.7	6.7
	S.U.	10/17/97	6.6	6.6		6.7	6.7
	S.U.	10/20/97	6.6	6.7		6.7	6.7
	S.U.	10/24/97	6.6	6.6		6.6	6.6
	S.U.	10/27/97	6.5	6.6		6.6	6.6
	S.U.	10/30/97	6.5	6.6		6.6	6.7
Phosphorus, Ortho	mg/L	09/19/97	1.33	1.07			1.1
Phosphorus, Phosphate	mg/L	09/22/97	3	2		1	
	mg/L	09/25/97	0	0		0	
	mg/L	09/30/97	3	0		0	
	mg/L	10/02/97	2	6		11	
	mg/L	10/06/97	1	1		1	
	mg/L	10/09/97	1	0		0.5	
	mg/L	10/14/97	1.5	1		0.5	
	mg/L	10/17/97	1.5	1		0.5	
	mg/L	10/20/97	0.5	0.5		0	
	mg/L	10/24/97	0	0		0	
	mg/L	10/27/97	1.5	1		1	
	mg/L	10/30/97	1	1		1	
Solids, Total Suspended	mg/L	09/19/97	7	20		5	0
Phenols							
2,3,4,6-Tetrachlorophenol	ug/L	09/19/97	0	0		0	0
2,4,5-Trichlorophenol	ug/L	09/19/97	0	0		0	0
2,4,6-Trichlorophenol	ug/L	09/19/97	0	0		0	0
2,4-Dichlorophenol	ug/L	09/19/97	0	0		0	0
2,4-Dimethylphenol	ug/L	09/19/97	0	0		0	0
2,4-Dinitrophenol	ug/L	09/19/97	0	0		0	0
2,6-Dichlorophenol	ug/L	09/19/97	0	0		0	0
2-Chlorophenol	ug/L	09/19/97	0	0		0	0
2-Methylphenol	ug/L	09/19/97	0	0		0	0
2-Nitrophenol	ug/L	09/19/97	0	0		0	0
3&4-Methylphenol	ug/L	09/19/97	0	0		0	0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR</u> <u>Influent</u>	<u>FBR</u> <u>Effluent</u>	<u>FFR</u> <u>Influent</u>	<u>FFR</u> <u>Effluent</u>	<u>System</u> <u>Effluent</u>
4,6-Dinitro-2-Methylphenol	ug/L	09/19/97	0	0		0	0
4-Chloro-3-Methylphenol	ug/L	09/19/97	0	0		0	0
4-Nitrophenol	ug/L	09/19/97	0	0		0	0
Pentachlorophenol	ug/L	09/19/97	7300	230		520	0
Phenol	ug/L	09/19/97	0	0		0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>Influent Groundwater Flow Rate ⁽¹⁾ (gpm)</u>	<u>POTW Discharge Flow Rate ⁽¹⁾ (gpm)</u>	<u>POTW Totalized Discharge (gal)</u>	<u>Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)</u>
10/1/97	23.46	23.46	1,096,640	0
10/2/97	23.46	25.06	1,132,720	0
10/3/97	22.84	24.13	1,167,470	0
10/4/97	22.84	24.13	1,202,220	0
10/5/97	22.84	24.13	1,236,970	0
10/6/97	26.31	24.69	1,272,520	0
10/7/97	19.12	20.10	1,301,470	0
10/8/97	22.81	24.48	1,336,720	0
10/9/97	21.77	23.41	1,370,430	0
10/10/97	23.28	24.59	1,405,840	0
10/11/97	23.28	24.59	1,441,250	0
10/12/97	23.28	24.59	1,476,660	0
10/13/97	23.28	24.59	1,512,070	0
10/14/97	22.10	20.56	1,541,680	0
10/15/97	22.99	24.44	1,576,880	0
10/16/97	21.81	24.19	1,611,710	0
10/17/97	22.39	24.71	1,647,290	0
10/18/97	23.39	24.71	1,682,870	0
10/19/97	23.39	24.71	1,718,450	0
10/20/97	22.99	21.78	1,749,820	0
10/21/97	22.99	21.78	1,781,190	0
10/22/97	21.60	24.17	1,815,990	0
10/23/97	21.60	24.17	1,850,790	0
10/24/97	15.13	12.22	1,868,380	0
10/25/97	21.60	24.17	1,903,180	0
10/26/97	21.60	24.17	1,937,980	0
10/27/97	25.13	25.94	1,975,330	0
10/28/97	21.56	22.57	2,007,830	0
10/29/97	19.03	23.58	2,041,780	0
10/30/97	22.44	22.61	2,074,340	0
10/31/97	22.44	22.61	2,106,900	0
Average:	22.3	23.4		0.0
Total ⁽²⁾ :			1,010,260	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
10/1/97	0	0	0	0	1.72	17	0	0	0	1.7	20.42
10/2/97	1.72	0	0	0	1.72	24.08	0	8.6	0	3.44	39.56
10/3/97	3.4	0	0	0	0	28	0	14	0	3.44	48.84
10/4/97	1.72	0	0	0	0	15.48	0	3.44	0	1.72	22.36
10/5/97	1.72	0	1.72	0	1.72	17.2	0	5.16	0	1.72	29.24
10/6/97	1.72	0	1.72	0	0	19	0	5.16	0	3.44	31.04
10/7/97	1.72	0	0	0	0	24.08	0	10.32	0	1.72	37.84
10/8/97	5.16	0	0	0	0	17	0	18	0	1.72	41.88
10/9/97	3.44	0	0	0	0	24.08	0	1.72	0	3.44	32.68
10/10/97	3.44	1.72	0	0	0	10.32	0	3.44	0	5.16	24.08
10/11/97	1.72	0	0	0	0	17	0	3.44	0	3.44	25.6
10/12/97	0	0	0	0	0	18.92	0	3.44	0	10	32.36
10/13/97	1.72	0	0	0	0	20.64	0	5.16	0	10.32	37.84
10/14/97	1.72	0	1.72	0	0	12	0	5.16	0	10	30.6
10/15/97	1.72	0	0	0	0	24.08	0	6.88	0	1.72	34.4
10/16/97	3.44	0	0	0	0	28	0	10.32	0	3.44	45.2
10/17/97	9	0	0	0	0	24.08	0	9	0	3.44	45.52
10/18/97	0	0	0	0	0	28	0	5.16	0	5.16	38.32
10/19/97	1.72	0	0	0	0	24.08	0	6.88	0	3.44	36.12
10/20/97	1.72	0	0	0	0	28	0	6.88	0	5.16	41.76
10/21/97	5.16	0	0	0	0	24.08	0	1.72	0	3.44	34.4
10/22/97	3.44	0	0	0	0	28	0	3.44	0	5.16	40.04
10/23/97	3.44	0	0	0	0	24.08	0	1.72	0	5.16	34.4
10/24/97	3.44	0	0	0	0	28	0	6.88	0	5.16	43.48
10/25/97	1.72	0	1.72	0	0	1.72	0	6.9	0	3.44	15.5
10/26/97	0	0	0	0	0	1.72	0	1.72	0	0	3.44
10/27/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
10/28/97	0	0	0	0	0	1.72	0	0	0	1.72	3.44
10/29/97	1.72	0	0	0	0	1.72	0	1.72	0	1.72	6.88
10/30/97	3.44	0	0	0	0	3.44	0	1.72	0	1.72	10.32
10/31/97	0	0	0	0	0	0	0	0	0	0	0
Total	69.16	1.72	6.88	0	5.16	535.52	0	159.7	0	112.86	891

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	August 27 1997		September 30 1997		October 29 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1162.61	----	1162.62	----	1162.67
PW02	----	1162.56	----	1162.58	----	1162.57
PW03	----	1162.90	----	1162.53	----	1162.63
PW3S	0.54	1159.96	0.50	1160.11	0.43	1160.25
PW04	0.93	1154.69	3.40	1152.90	0.44	1155.12
PW05	0.03	1155.00	0.70	1154.03	0.38	1154.25
PW06	0.42	1161.56	0.43	1161.65	0.40	1161.71
PW07	0.93	1154.79	0.40	1156.30	0.35	1155.65
PW08	0.09	1160.87	0.12	1160.84	0.49	1160.52
PW9I	----	1162.18	----	1163.58	----	1162.28
PW9O	----	1163.29	----	1162.94	----	1163.74
PW10	1.61	1158.82	1.85	1158.91	2.52	1158.36
PW11	1.16	1157.63	----	1157.90	0.08	1158.41
PW12	1.05	1161.87	----	1162.61	1.05	1161.86
PW13	0.65	1157.71	0.70	1158.50	0.90	1157.83
PW14	0.04	1161.39	----	1161.67	----	1161.56
PW15	0.20	1161.25	0.40	1161.31	0.61	1161.01
PW16	0.26	1157.71	0.50	1157.08	0.55	1156.90
P01	0.33	1161.09	0.20	1161.36	0.50	1161.13
OW01	----	1162.92	----	1162.93	----	1162.92
W01A	----	1163.16	----	1164.08	----	1163.16
W01B	----	1163.06	----	1163.06	----	1163.15
W02	----	1162.42	----	1162.40	----	1162.46
W03A	0.58	1160.61	0.30	1160.94	0.45	1160.99
W03B	----	1161.34	----	1161.44	----	1161.51
W04A	0.67	1161.33	0.42	1161.66	0.56	1161.53
W04B	0.24	1161.71	0.26	1161.79	0.22	1161.84
W05	0.90	1160.53	0.96	1160.60	1.50	1160.12
W06R	0.30	1162.69	0.30	1162.65	0.89	1162.12
W07	----	1162.68	----	1162.68	----	1162.70
W08	----	1172.48	----	1171.78	----	1171.90
W09	----	1161.86	----	1162.02	----	1162.10
W10A	----	1160.82	----	1160.95	----	1161.01
W10B	----	1160.85	----	1160.96	----	1161.01
W11	----	1160.71	----	1160.80	----	1160.86
W12	----	1160.32	----	1160.40	----	1160.45
W13	----	1161.16	----	1161.32	----	1161.39
W14	----	1159.38	----	1159.46	----	1159.45
W16	----	1161.42	----	1161.57	----	1161.63
W17	0.33	1160.95	0.20	1161.24	0.90	1160.59
W18	----	1160.88	----	1161.01	----	1161.03
W19	----	1162.29	----	1162.31	----	1163.00

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	August 27 1997		September 30 1997		October 29 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.61	----	1160.70	----	1160.74
W22	----	1161.08	----	1161.26	----	1161.37
W23	----	1160.52	----	1160.58	----	1160.62
W24A	----	1160.49	----	1160.55	----	1160.58
W25	----	Inaccessible	----	1163.13	----	1163.16
W26	----	1160.77	----	1160.90	----	1160.94
W27	----	1161.14	----	1161.31	----	1161.35
W28	----	1160.85	----	1160.93	----	1160.93
W29	----	1160.70	----	1160.84	----	1160.85
W30	1.02	1160.32	----	1160.84	0.83	1160.73
W31	----	1160.71	----	1160.79	----	1160.80
W32	----	1160.72	----	1160.80	----	1160.80
W33	0.02	1161.67	----	1161.78	----	1161.82
W34	0.31	1158.05	0.27	1158.14	0.22	1158.30
W35	0.70	1160.79	0.98	1160.63	1.03	1160.64
W36	----	1161.75	----	1161.93	----	1162.07
W39	----	1161.69	----	1161.83	----	1161.83
W40	0.90	1160.31	0.77	1160.57	0.91	1160.47
W41	----	1161.76	----	1161.94	----	1162.37
W42	0.02	1162.31	----	1162.27	----	1162.42
W44	0.14	1161.41	0.10	1161.53	0.34	1161.44
W45	0.06	1161.74	----	1161.98	0.08	1161.68
W46	1.01	1160.46	0.95	1160.72	0.99	1160.67
W47	1.94	1155.54	2.10	1155.39	2.23	1155.49
W48	0.52	1157.61	0.25	1157.98	0.50	1157.85
W49	0.92	1157.33	0.70	1157.81	0.96	1157.53
W66	----	1162.87	----	1162.83	----	1162.95
W67	----	1161.84	----	1162.82	----	1162.86
W68A	----	1163.00	----	1162.75	0.32	1162.62
W68B	----	1162.83	----	1162.73	----	1162.81
W69	0.52	1161.31	0.49	1161.41	0.51	1161.45
W70B	----	1162.70	----	1162.63	----	1162.72
River	----	1159.97	----	No Gauge	----	No Gauge

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

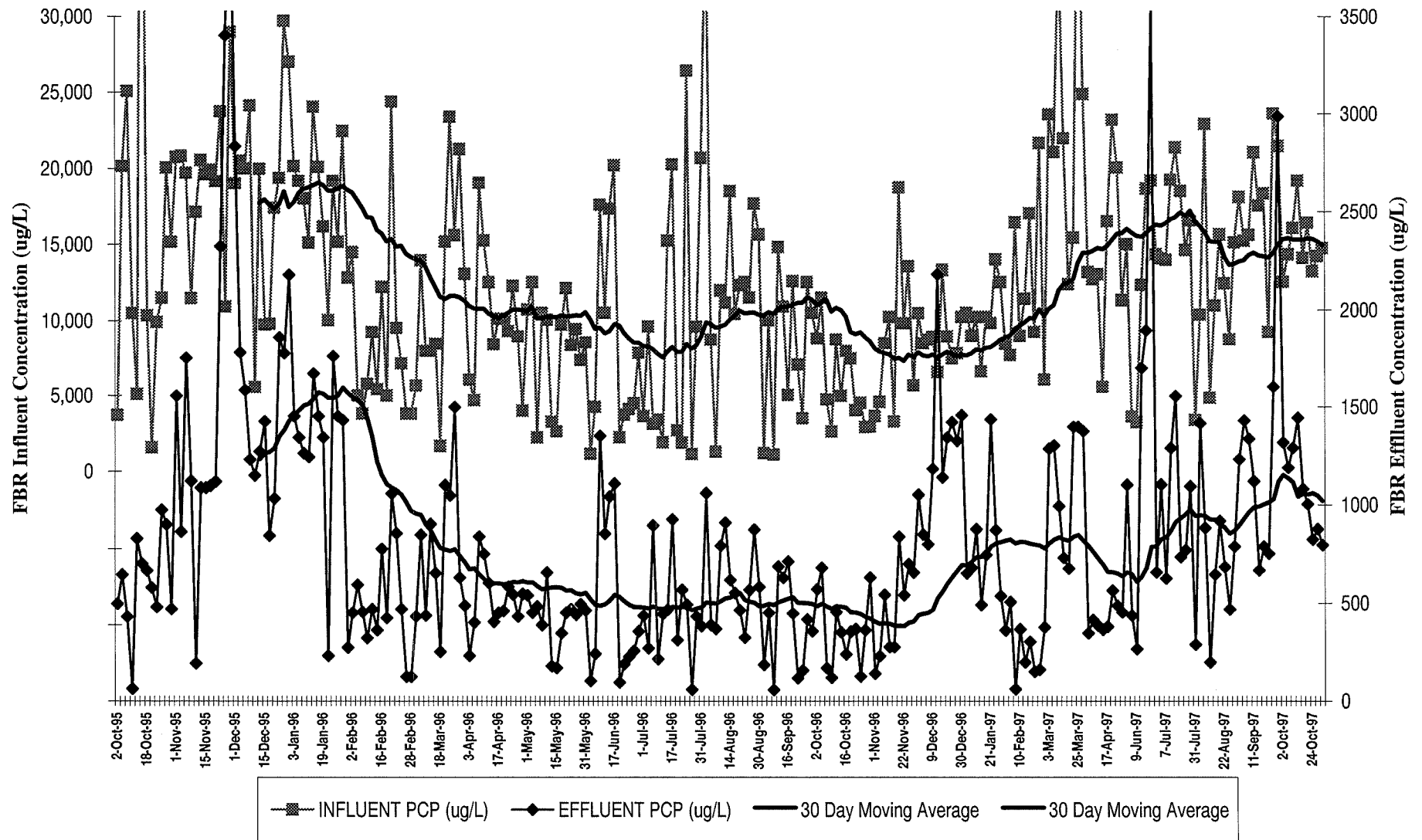
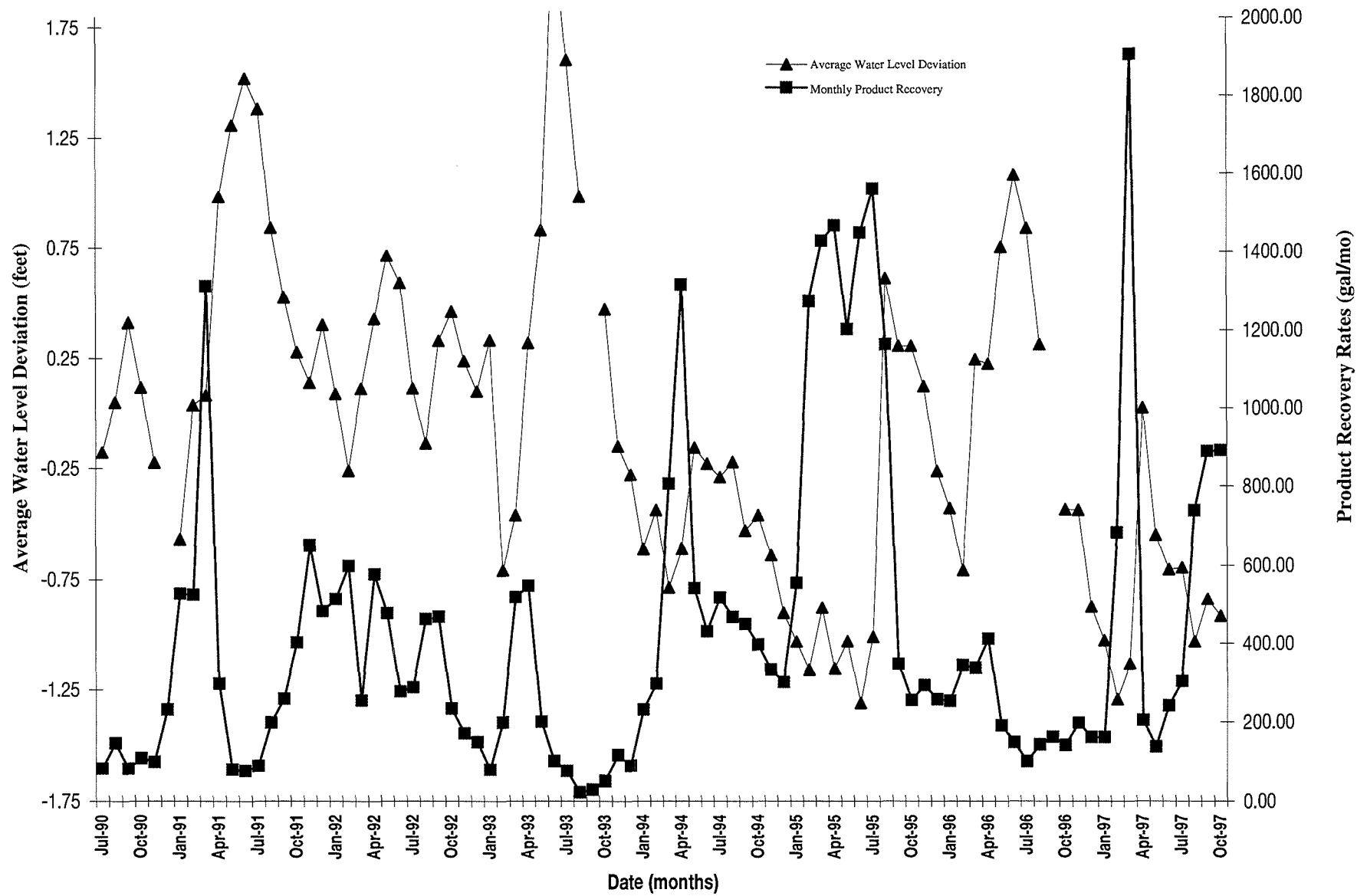


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

December 8, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: Transmittal of 1996 Annual Groundwater Monitoring Report
WAULECO, Inc.
Wausau, Wisconsin

12/11/97
RECEIVED
DEC 11 1997
WAUSAU DNR

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies of the 1996 Annual Groundwater Monitoring Report for the WAULECO, Inc. site in Wausau, Wisconsin.

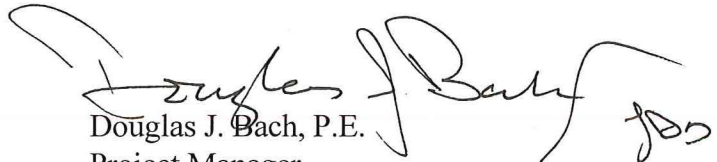
As discussed during our April 15, 1997 meeting, we have implemented changes to the monitoring program which includes reduction of the routine sampling frequency from quarterly to semi-annually and one additional round of dioxin/furan sampling and analysis be conducted in 1998, with the elimination of dioxin/furan analysis for an indefinite period of time.

If you have any questions or comments, please call me at (608) 231-4747.

Sincerely,

MONTGOMERY WATSON


John D. Dadisman
Environmental Chemist


Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Section Chief - WDNR (Madison, WI) (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

JDD/vlr/DJB
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TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	post Aug95 Top of Casing Elevation (ft msl)	January 14 2002		August 05, 2002	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	0.00	1160.81	0.00	1160.95
W12	1173.95	0.00	1160.47	0.00	1160.64
W13	1188.73	0.00	1161.12	0.00	1161.34
W14	1172.41	0.00	1159.55	0.00	1159.79
W16	1180.60	0.00	1161.29	0.00	1161.83
W17	1187.32	0.22	1160.01	0.08	1158.88
W18	1172.92	0.00	1160.86	0.00	1161.27
W19	1194.28	0.00	1161.59	0.00	1162.93
W21	1170.14	0.00	1160.78	0.00	1160.84
W22	1186.01	0.03	1160.37	0.00	1160.91
W23	1171.55	0.00	1160.63	0.00	1160.95
W24A	1171.77	0.00	1160.62	0.00	1160.92
W25	1194.50	0.00	1162.32	0.00	1164.06
W26	1176.90	0.00	1160.87	0.00	1160.93
W27	1180.19	0.00	1161.03	0.00	1161.52
W28	1174.36	0.00	1161.01	0.00	1161.00
W29	1172.60	0.00	1160.82	0.00	1160.87
W30	1189.84	0.16	1159.93	0.00	1161.22
W31	1169.67	0.00	1160.88	0.00	1160.86
W32	1169.43	0.00	1160.88	0.00	1160.86
W33	1188.49	0.24	1160.86	0.00	1162.04
W34	1187.75	0.07	1157.39	0.00	1158.61
W35	1191.84	0.19	1160.23	0.98	1161.75
W36	1192.29	0.00	1160.81	0.00	1162.19
W39	1187.77	0.02	1160.88	0.00	1162.07
W40	1180.69	0.44	1160.53	0.63	1151.19
W41	1185.04	0.00	1161.17	0.00	1162.33
W42	1194.52	0.00	1161.56	0.31	1162.97
W44	1190.93	0.16	1160.31	0.03	1161.58
W45	1190.68	0.01	1160.34	0.01	1162.26
W46	1191.42	0.00	1159.71	0.00	1161.09
W47	1185.99	0.42	1155.57	0.05	1156.42
W48	1186.28	0.20	1155.82	0.01	1157.00
W49	1185.91	0.12	1156.46	0.09	1157.58
W66	1192.36	0.00	1162.10	0.00	1163.62
W67	1191.80	0.00	1162.06	0.00	1163.57
W68A	1190.90	0.35	1162.15	0.05	1163.65
W68B	1191.39	0.00	1162.07	0.00	1163.56
W69	1192.20	0.71	1160.91	0.19	1162.16
W70B	1200.27	0.00	1161.86	0.00	1163.41
River	1164.19	0.00	No Gage	0.00	No Gage

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW91 denotes the inner well

TABLE 3

Groundwater Elevation Data
 Wauleco, Inc.
 Wausau, Wisconsin

Well	post Aug95 Top of Casing Elevation (ft msl)	January 14 2002		August 05, 2002	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	0.00	1161.75	0.00	1163.29
PW02	1197.10	0.00	1161.74	0.00	1163.34
PW03	1190.53	0.00	1161.83	0.00	1163.25
PW3S	1188.51	0.00	1159.22	0.00	1160.45
PW04	1190.50	0.00	1151.50	0.00	1161.39
PW05	1187.43	0.05	1156.59	0.00	1156.75
PW06	1191.94	0.33	1161.17	0.42	1162.42
PW07	1189.70	0.26	1157.35	0.12	1158.95
PW08	1189.87	0.25	1160.27	0.21	1161.75
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	0.00	1160.30	0.00	1161.71
PW10	1191.66	0.00	1160.36	0.00	1161.71
PW11	1188.75	1.12	1155.59	0.10	1157.96
PW12	1192.11	0.00	1160.65	0.00	1162.02
PW13	1192.2	0.05	1157.40	0.00	1160.58
PW14	1188.87	0.00	1160.05	0.00	1161.09
PW15	1189.31	0.05	1159.66	0.00	1160.86
PW16	1191.88	0.00	1160.66	0.00	1159.58
PW17	1191.84	0.00	1155.12	0.03	1159.46
PW18	1190.14	0.89	1158.29	0.00	1149.74
PW19	1192.62	0.42	1158.19	0.63	1160.01
PW20	1191.32	0.97	1158.24	0.00	1161.06
PW21	1190.19	0.02	1159.06	0.00	1160.44
PW22	1192.3	0.00	1160.46	0.00	1161.73
PW23	1189.47	0.08	1156.39	0.00	1156.12
PW24	1188.28	0.05	1157.84	0.00	1158.52
PW25	1189.52	1.30	1157.39	0.01	1157.74
PW26	1188.8	1.32	1157.05	0.21	1157.82
PW27	1188.51	1.06	1156.11	0.02	1155.33
PW28	1192.24	0.40	1160.74	0.00	1162.11
PW29	1192.26	0.24	1160.77	0.00	1162.21
P01	1191.46	0.15	1159.78	0.02	1161.24
OW01	1197.58	0.00	1162.16	0.00	1163.75
W01A	1194.11	0.00	1162.38	0.00	1163.25
W01B	1194.89	0.00	1162.35	0.00	1164.88
W02	1193.58	0.16	1161.71	0.03	1163.15
W03A	1187.64	0.25	1159.84	0.26	1160.73
W03B	1187.69	0.00	1160.89	0.00	1161.56
W04A	1192.31	0.15	1161.15	0.06	1162.39
W04B	1192.23	0.06	1161.10	0.00	1162.36
W05	1190.58	0.30	1160.10	0.34	1161.40
W06R	1193.99	0.18	1162.17	0.04	1163.78
W07	1197.32	0.14	1161.88	1.10	1163.63
W08	1206.73	0.00	1171.29	0.00	1174.93
W09	1172.80	0.00	1161.48	0.00	1162.66
W10A	1182.59	0.00	1160.99	0.00	1160.97
W10B	1182.44	0.00	1160.97	0.00	1161.01

TABLE 3

Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	post Aug95 Top of Casing Elevation (ft msl)	January 29 2001		July 09, 2001	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	----	1160.61	----	1160.76
W12	1173.95	----	1160.35	----	1160.43
W13	1188.73	----	1160.77	----	1161.11
W14	1172.41	----	1159.45	----	1159.48
W16	1180.60	----	1160.99	----	1161.56
W17	1187.32	0.53	1159.57	0.20	1160.37
W18	1172.92	----	1160.68	----	1160.84
W19	1194.28	0.01	1161.25	----	1162.21
W21	1170.14	----	1160.66	----	1160.69
W22	1186.01	0.11	1159.87	0.05	1160.57
W23	1171.55	----	1160.57	----	1160.65
W24A	1171.77	----	1160.57	----	1160.61
W25	1194.50	----	1161.87	----	1162.82
W26	1176.90	----	1160.65	----	1160.80
W27	1180.19	----	1160.74	----	1161.21
W28	1174.36	----	1160.82	----	1160.86
W29	1172.60	----	1160.70	----	1160.75
W30	1189.84	0.46	1159.47	0.07	1160.27
W31	1169.67	----	1160.79	----	1160.68
W32	1169.43	----	1160.80	----	1160.67
W33	1188.49	0.28	1160.48	0.30	1161.36
W34	1187.75	0.13	1156.98	0.09	1157.86
W35	1191.84	0.39	1159.70	0.15	1160.65
W36	1192.29	----	1160.43	----	1161.61
W39	1187.77	0.06	1160.52	----	1158.38
W40	1180.69	0.57	1160.27	0.61	1160.90
W41	1185.04	----	1160.87	----	1161.73
W42	1194.52	0.10	1161.20	0.05	1162.19
W44	1190.93	0.40	1159.89	0.20	1160.71
W45	1190.68	0.05	1159.85	0.03	1160.99
W46	1191.42	0.77	1159.75	0.04	1160.05
W47	1185.99	0.77	1155.48	0.45	1156.20
W48	1186.28	0.05	1155.01	0.40	1156.03
W49	1185.91	0.39	1155.86	0.20	1156.81
W66	1192.36	----	1161.72	----	1162.73
W67	1191.80	----	1161.69	----	1162.68
W68A	1190.90	0.43	1161.82	0.26	1162.79
W68B	1191.39	0.01	1161.71	----	1162.68
W69	1192.20	0.47	1160.43	1.10	1161.45
W70B	1200.27	----	1161.42	----	1162.50
River	1164.19	----	No Gage	----	No Gage

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW91 denotes the inner well

TABLE 3

Groundwater Elevation Data
 Wauleco, Inc.
 Wausau, Wisconsin

Well	post Aug95 Top of Casing Elevation (ft msl)	January 29 2001		July 09, 2001	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	-----	1161.30	-----	1162.38
PW02	1197.10	-----	Frozen	-----	1162.39
PW03	1190.53	0.01	1161.88	-----	1162.45
PW3S	1188.51	0.11	1158.65	-----	1159.61
PW04	1190.50	0.68	1154.85	0.66	1154.95
PW05	1187.43	0.72	1157.28	0.08	1155.43
PW06	1191.94	0.49	1160.81	0.42	1161.73
PW07	1189.70	0.04	1156.04	0.43	1157.89
PW08	1189.87	0.30	1159.94	0.36	1160.94
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	-----	1159.84	-----	1160.83
PW10	1191.66	0.01	1159.89	0.03	1160.80
PW11	1188.75	0.88	1154.63	0.85	1156.72
PW12	1192.11	0.01	1160.13	-----	1162.14
PW13	1192.2	0.44	1159.69	0.60	1155.76
PW14	1188.87	0.04	1159.45	-----	1160.34
PW15	1189.31	0.32	1159.03	0.14	1159.98
PW16	1191.88	-----	1159.12	-----	1158.70
PW17	1191.84	1.42	1157.32	0.95	1157.86
PW18	1190.14	0.52	1158.46	0.36	1156.55
PW19	1192.62	0.36	1157.60	0.55	1158.97
PW20	1191.32	2.37	1158.09	1.16	1159.08
PW21	1190.19	0.68	1158.44	0.79	1158.80
PW22	1192.3	-----	1160.02	-----	1160.91
PW23	1189.47	0.07	1158.20	0.75	1157.40
PW24	1188.28	1.95	1157.55	0.46	1157.84
PW25	1189.52	0.84	1156.98	0.36	1157.62
PW26	1188.8	1.04	1156.27	0.42	1157.58
PW27	1188.51	1.39	1156.73	0.84	1156.62
PW28	1192.24	0.04	1160.38	0.24	1161.31
PW29	1192.26	0.08	1159.23	-----	1161.40
P01	1191.46	0.26	1159.54	0.18	1160.32
OW01	1197.58	-----	1161.78	-----	1162.86
W01A	1194.11	-----	1161.91	-----	1162.99
W01B	1194.89	-----	1161.88	-----	1162.87
W02	1193.58	0.51	1161.42	0.20	1162.31
W03A	1187.64	0.66	1159.40	0.52	1160.26
W03B	1187.69	-----	1160.65	-----	1161.12
W04A	1192.31	0.30	1160.79	0.18	1161.70
W04B	1192.23	0.11	1160.75	0.04	1161.65
W05	1190.58	0.36	1159.63	0.13	1160.48
W06R	1193.99	0.26	1161.82	0.16	1162.85
W07	1197.32	0.24	1161.45	0.52	1162.60
W08	1206.73	-----	1170.47	-----	1174.12
W09	1172.80	-----	1161.18	-----	1161.93
W10A	1182.59	-----	1160.71	-----	1160.86
W10B	1182.44	-----	1160.73	-----	1160.87

TABLE 3

Groundwater Elevation Data
WAULECO, INC. - Wausau Facility
Wausau, Wisconsin

Well	post Aug95 Top of Casing Elevation (ft msl)	January 10 2000		July 17 2000	
		Product (oil) Thickness (ft)	Water Elevation (ft msl)	Product (oil) Thickness (ft)	Water Elevation (ft msl)
W10A	1182.59	-----	1160.66	-----	1160.99
W10B	1182.44	-----	1160.68	-----	1161.02
W11	1175.25	-----	1160.63	-----	1160.92
W12	1173.95	-----	1160.32	-----	1160.56
W13	1188.73	-----	1160.76	-----	1161.47
W14	1172.41	-----	1159.37	-----	1159.71
W16	1180.60	-----	1160.95	-----	1161.69
W17	1187.32	0.39	1159.71	0.28	1160.55
W18	1172.92	-----	1160.66	-----	1160.97
W19	1194.28	0.03	1161.24	-----	1162.32
W21	1170.14	-----	1160.55	-----	1160.78
W22	1186.01	0.25	1159.90	0.17	1160.70
W23	1171.55	-----	1160.50	-----	1160.87
W24A	1171.77	-----	1160.49	-----	1160.85
W25	1194.50	-----	1161.94	-----	1163.06
W26	1176.90	-----	1160.59	-----	1160.96
W27	1180.19	-----	1160.76	-----	1161.43
W28	1174.36	-----	1160.74	-----	1160.97
W29	1172.60	-----	1160.61	-----	1160.85
W30	1189.84	0.76	1159.37	0.22	1160.40
W31	1169.67	-----	1160.68	-----	1160.81
W32	1169.43	-----	1160.69	-----	1160.81
W33	1188.49	0.27	1160.40	0.11	1161.38
W34	1187.75	0.26	1157.04	0.10	1157.96
W35	1191.84	0.51	1159.73	0.46	1160.45
W36	1192.29	-----	1160.88	-----	1161.64
W39	1187.77	0.08	1160.60	-----	1161.53
W40	1180.69	0.61	1159.83	0.72	1160.47
W41	1185.04	-----	1160.97	-----	1162.48
W42	1194.52	0.19	1161.08	0.17	1162.11
W44	1190.93	0.49	1159.91	0.15	1160.80
W45	1190.68	0.03	1160.28	0.11	1161.19
W46	1191.42	0.82	1159.33	0.60	1159.97
W47	1185.99	1.94	1154.21	1.48	1154.97
W48	1186.28	0.14	1156.17	-----	1156.68
W49	1185.91	0.57	1156.16	0.16	1157.22
W66	1192.36	-----	1161.82	-----	1162.79
W67	1191.80	-----	1161.79	-----	1162.75
W68A	1190.90	0.81	1161.11	0.28	1162.55
W68B	1191.39	-----	1161.78	-----	1162.71
W69	1192.20	0.64	1160.10	0.66	1160.87
W70B	1200.27	-----	1161.52	-----	1162.57
River	1164.19	-----	No Gage	-----	No Gage

Notes:

ft msl = feet mean sea level

TABLE 3

Groundwater Elevation Data
WAULECO, INC. - Wausau Facility
Wausau, Wisconsin

<u>Well</u>	post Aug95 Top of Casing Elevation (ft msl)	January 10 2000		July 17 2000	
		Product (oil) Thickness (ft)	Water Elevation (ft msl)	Product (oil) Thickness (ft)	Water Elevation (ft msl)
PW01	1197.55	0.05	1161.34	-----	1162.45
PW02	1197.10	-----	1161.38	-----	1162.46
PW03	1190.53	-----	1161.48	-----	1162.47
PW3S	1188.51	0.34	1158.87	0.04	1159.73
PW04	1190.50	0.24	1154.06	0.02	1156.25
PW05	1187.43	0.49	1152.70	0.23	1157.21
PW06	1191.94	0.47	1160.50	0.43	1161.43
PW07	1189.70	-----	1157.02	0.61	1157.50
PW08	1189.87	0.36	1159.59	0.36	1160.63
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	-----	1161.62	-----	1161.01
PW10	1191.66	0.64	1156.87	-----	1161.07
PW11	1188.75	0.52	1155.85	0.86	1154.46
PW12	1192.11	-----	1161.49	-----	1161.88
PW13	1192.2	0.87	1157.44	0.61	1157.98
PW14	1188.87	0.12	1159.99	0.14	1160.73
PW15	1189.31	0.05	1159.93	0.44	1160.21
PW16	1191.88	0.24	1158.43	-----	1160.59
PW17	1191.84	1.04	1155.94	0.37	1157.12
PW18	1190.14	0.93	1158.83	0.05	1159.47
PW19	1192.62	0.76	1159.31	0.61	1158.63
PW20	1191.32	0.62	1159.23	0.47	1159.17
PW21	1190.19	0.09	1159.81	0.07	1159.57
PW22	1192.3	-----	1160.40	-----	1161.12
PW23	1189.47	0.35	1158.78	0.43	1157.54
PW24	1188.28	0.52	1158.65	0.11	1158.34
PW25	1189.52	0.53	1158.06	0.92	1157.33
PW26	1188.8	0.31	1158.00	-0.27	1157.67
PW27	1188.51	0.31	1158.53	1.08	1156.43
PW28	1192.24	0.12	1160.31	0.13	1161.22
PW29	1192.26	0.35	1158.60	0.61	1158.63
P01	1191.46	0.40	1159.79	0.22	1160.48
OW01	1197.58	-----	1161.84	-----	1162.93
W01A	1194.11	-----	1161.98	-----	1163.06
W01B	1194.89	-----	1161.98	-----	1163.03
W02	1193.58	0.03	1161.35	0.49	1161.94
W03A	1187.64	0.42	1159.53	0.61	1160.07
W03B	1187.69	-----	1160.78	-----	1161.32
W04A	1192.31	0.39	1160.56	0.12	1161.71
W04B	1192.23	0.17	1160.73	0.07	1161.71
W05	1190.58	0.57	1159.62	0.32	1160.42
W06R	1193.99	0.32	1161.55	0.16	1162.75
W07	1197.32	-----	Frozen	-----	1162.58
W08	1206.73	-----	1169.85	-----	1174.61
W09	1172.80	-----	1161.30	-----	1162.15

TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well	January 27 1999		June 08 1999	
	Oil Thickness (ft)	Water Elevation (ft msl)	Oil Thickness (ft)	Water Elevation (ft msl)
W14	-----	1159.46	-----	1159.64
W16	-----	1161.03	-----	1161.60
W17	0.64	1159.77	0.36	1160.34
W18	-----	1160.71	-----	1160.87
W19	0.14	1161.25	0.05	1162.14
W21	-----	1160.65	-----	1160.76
W22	-----	1160.37	0.47	1160.58
W23	-----	1160.57	-----	1160.80
W24A	-----	1160.57	-----	1160.78
W25	-----	1161.88	-----	1162.86
W26	-----	1160.74	-----	1160.82
W27	-----	Frozen	-----	1161.31
W28	-----	1160.74	-----	1160.87
W29	-----	1160.82	-----	1160.74
W30	0.99	1159.11	0.61	1160.01
W31	-----	1160.68	-----	1160.84
W32	-----	1160.68	-----	1160.84
W33	0.22	1160.47	0.14	1161.26
W34	0.45	1156.86	0.21	1157.78
W35	0.56	1159.59	0.66	1160.24
W36	-----	1160.60	-----	1161.53
W39	0.14	1160.61	-----	1161.53
W40	-----	Frozen	0.83	1160.41
W41	-----	1161.05	-----	1161.82
W42	0.25	1161.06	0.14	1161.99
W44	0.44	1159.93	0.37	1160.49
W45	0.12	1160.19	0.11	1160.82
W46	1.10	1158.92	1.11	1159.61
W47	1.41	1155.02	0.06	1157.33
W48	0.35	1156.31	0.07	1156.54
W49	0.87	1156.25	0.14	1157.08
W66	-----	1161.83	-----	1162.61
W67	-----	1161.81	-----	1162.67
W68A	-----	1161.30	0.25	1162.41
W68B	-----	1161.50	-----	1162.54
W69	0.86	1159.88	1.06	1160.40
W70B	-----	1161.47	-----	1162.21
River	-----	No Gage	-----	No Gage

Notes:

ft msl = feet mean sea level

TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	January 27 1999		June 08 1999	
	Oil Thickness (ft)	Water Elevation (ft msl)	Oil Thickness (ft)	Water Elevation (ft msl)
PW01	-----	Frozen	0.08	1162.16
PW02	-----	Frozen	-----	1162.23
PW03	-----	1161.52	-----	1162.32
PW3S	-----	1160.29	0.19	1159.56
PW04	2.20	1153.80	-----	1161.12
PW05	0.50	1155.93	0.50	1153.62
PW06	0.44	1161.30	0.45	1161.31
PW07	-----	1155.40	-----	1157.72
PW08	0.27	1160.05	0.40	1160.38
PW9I	-----	1160.96	-----	-----
PW9O	-----	1160.24	-----	1162.27
PW10	1.55	1157.66	-----	1160.87
PW11	0.21	1158.14	0.22	1160.55
PW12	0.30	1161.31	0.38	1162.23
PW13	0.70	1157.30	0.92	1160.10
PW14	0.21	1161.26	0.29	1160.41
PW15	0.04	1160.14	-----	1153.87
PW16	1.00	1158.28	0.82	1159.18
PW17	0.30	1157.84	0.14	1156.94
PW18	0.25	1158.94	0.31	1159.69
PW19	1.05	1158.57	0.82	1159.85
PW20	1.00	1158.92	0.83	1159.36
PW21	0.60	1159.39	0.68	1159.96
PW22	-----	1158.80	-----	1159.08
PW23	-----	1159.72	0.16	1158.64
PW24	1.00	1158.43	0.55	1158.88
PW25	2.10	1157.02	0.33	1158.60
PW26	1.00	1158.43	0.55	1158.88
PW27	2.10	1157.02	0.33	1158.60
P01	0.51	1159.65	1.09	1159.65
OW01	-----	Frozen	-----	1162.73
W01A	-----	1161.90	-----	1162.79
W01B	-----	1162.00	-----	1162.78
W02	-----	1161.35	0.49	1161.73
W03A	0.52	1159.75	0.48	1160.24
W03B	-----	1160.88	-----	1161.24
W04A	0.54	1160.47	0.19	1161.55
W04B	0.38	1160.61	0.17	1161.56
W05	0.61	1159.48	0.35	1160.35
W06R	0.13	1161.66	0.04	1162.70
W07	-----	Frozen	0.13	1162.22
W08	-----	1169.10	-----	1173.17
W09	-----	1161.38	-----	1162.34
W10A	-----	1160.74	-----	1160.87
W10B	-----	1160.77	-----	1160.90
W11	-----	1160.73	-----	1160.81
W12	-----	1160.41	-----	1160.48
W13	-----	1160.72	-----	1161.25

TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Post Aug95 Top of Casing Elevation (ft msl)	January 16, 2006		July 17, 2006	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	0.00	1160.73	0.00	1160.73
W12	1173.95	0.00	1160.51	0.00	1160.50
W13	1188.73	0.00	1160.98	0.00	1161.09
W14	1172.41	0.00	1159.61	0.00	1159.57
W16	1180.60	0.00	1161.22	0.00	1161.39
W17	1187.32	0.01	1159.92	0.00	1160.33
W18	1172.92	0.00	1160.90	0.00	1160.81
W19	1194.28	0.00	1161.52	0.00	1161.92
W21	1170.14	0.00	1160.73	0.00	1160.67
W22	1186.01	0.00	1160.01	0.00	1160.35
W23	1171.55	0.00	1160.74	0.00	1160.71
W24A	1171.77	0.00	1160.75	0.00	1160.71
W25	1194.50	0.00	1162.10	0.00	1162.62
W26	1176.90	0.00	1160.75	0.00	1160.73
W27	1180.19	0.00	1160.96	0.00	1161.13
W28	1174.36	0.00	1160.94	0.00	1160.84
W29	1172.60	0.00	1160.80	0.00	1160.71
W30	1189.84	0.03	1159.57	0.00	1160.14
W31	1169.67	0.00	1160.84	0.00	1160.77
W32	1169.43	0.00	1160.84	0.00	1160.76
W33	1188.49	0.05	1160.67	0.10	1161.12
W34	1191.04	0.00	1160.54	0.00	1161.03
W35	1191.84	0.12	1159.93	0.00	1160.49
W36	1192.29	0.00	1160.80	0.00	1161.21
W39	1187.77	0.00	1160.76	0.00	1161.18
W40	1180.69	0.25	1160.39	0.29	1160.64
W41	1185.04	0.00	1161.09	0.00	1161.41
W42	1194.52	0.03	1161.39	0.00	1161.89
W44	1190.93	0.16	1160.09	0.12	1160.61
W45	1190.68	0.00	1161.32	0.00	1161.72
W46	1191.42	0.00	1159.49	0.01	1160.08
W47	1189.34	0.32	1158.52	0.88	1158.90
W48	1189.60	0.11	1158.86	0.00	1159.29
W49	1189.12	0.00	1159.64	0.01	1160.32
W66	1192.36	0.00	1161.86	0.00	1162.34
W67	1191.80	0.00	1161.79	0.00	1162.29
W68A	1190.90	0.00	1161.94	0.00	1162.42
W68B	1191.39	0.00	1161.85	0.00	1162.31
W69	1192.20	0.07	1160.67	0.10	1161.20
W70B	1200.27	0.00	1161.60	0.00	1162.09
River	1164.19	-----	No Gage	-----	No Gage
IW01	1190.78	0.00	1159.62	0.00	1160.18
IW01A	1190.72	0.00	1159.63	0.00	1160.2

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW91 denotes the inner well

TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well No.	Post Aug95 Top of Casing Elevation (ft msl)	January 16, 2006		July 17, 2006	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	0.01	1161.44	0.00	1161.96
PW02	1197.10	0.00	1161.53	0.00	1162.06
PW03	1190.53	0.00	1161.67	0.00	1162.13
PW3S	1188.51	0.00	1158.89	0.00	1159.52
PW04	1190.50	0.06	1155.67	0.64	1156.80
PW05	1187.43	0.00	1157.71	0.00	1158.28
PW06	1191.94	0.16	1160.97	0.21	1161.43
PW07	1189.70	0.03	1156.90	0.54	1157.94
PW08	1189.87	0.03	1160.14	0.03	1160.66
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	0.00	1160.30	0.00	1160.78
PW10	1191.66	0.00	1160.10	0.00	1160.66
PW11	1188.75	0.98	1155.52	0.70	1155.42
PW12	1192.11	0.00	1161.02	0.00	1161.82
PW13	1192.2	1.03	1157.77	0.85	1157.78
PW14	1188.87	0.00	1159.85	0.00	1160.33
PW15	1189.31	0.00	1159.66	0.00	1160.17
PW16	1191.88	0.00	1159.46	0.09	1158.92
PW17	1191.84	1.20	1158.77	1.21	1158.63
PW18	1190.14	0.62	1157.37	1.07	1157.55
PW19	1192.62	0.00	1153.56	0.00	1156.10
PW20	1191.32	0.62	1158.40	0.95	1157.29
PW21	1190.19	0.00	1157.74	0.89	1157.61
PW22	1192.3	0.00	1160.29	0.00	1160.78
PW23	1189.47	0.00	1155.61	0.00	1158.27
PW24	1188.28	0.68	1155.98	0.76	1157.16
PW25	1189.52	1.02	1155.94	0.48	1155.97
PW26	1188.8	1.00	1156.53	0.99	1156.97
PW27	1188.51	0.09	1157.47	0.54	1156.44
PW28	1192.24	0.00	1160.59	0.00	1161.02
PW29	1192.26	0.17	1160.57	0.01	1161.02
P01	1191.46	0.00	1159.65	0.00	1160.21
OW01	1197.58	0.00	1161.97	0.00	1162.45
W01A	1194.11	0.00	1162.15	0.00	1162.62
W01B	1194.89	0.00	1162.07	0.00	1162.59
W02	1193.58	0.00	1161.55	0.27	1161.97
W03A	1187.64	0.15	1159.68	0.13	1160.08
W03B	1187.69	0.00	1160.85	0.00	1161.03
W04A	1192.31	0.05	1161.00	0.06	1161.46
W04B	1192.23	0.05	1160.96	0.02	1161.44
W05	1190.58	0.17	1159.64	0.06	1160.21
W06R	1193.99	0.13	1161.92	0.06	1162.44
W07	1197.32	0.10	1161.59	0.25	1162.12
W08	1206.73	0.00	1170.46	0.00	1172.83
W09	1172.80	0.00	1161.44	0.00	1161.64
W10A	1182.59	0.00	1160.81	0.00	1160.79
W10B	1182.44	0.00	1160.80	0.00	1160.78

TABLE 3

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

Well No.	Post Aug95 Top of Casing Elevation (ft msl)	January 19, 2005		July 18, 2005	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	0.00	1160.72	0.00	1161.03
W12	1173.95	0.00	1160.48	0.00	1160.69
W13	1188.73	0.00	1160.91	0.00	1161.52
W14	1172.41	0.00	1159.67	0.00	1159.88
W16	1180.60	0.00	1161.23	0.00	1162.16
W17	1187.32	0.00	1160.14	0.00	1161.35
W18	1172.92	0.00	1160.79	0.00	1161.05
W19	1194.28	0.00	1161.72	0.00	1163.45
W21	1170.14	0.00	1160.76	0.00	1160.87
W22	1186.01	0.00	1160.22	0.00	1161.41
W23	1171.55	0.00	1160.77	0.00	1161.04
W24A	1171.77	0.00	1160.79	0.00	1161.02
W25	1194.50	0.00	1162.41	0.00	1164.11
W26	1176.90	0.00	1160.74	0.00	1161.02
W27	1180.19	0.00	1160.95	0.00	1161.77
W28	1174.36	0.00	1160.86	0.00	1161.05
W29	1172.60	0.00	1160.75	0.00	1160.91
W30	1189.84	0.00	1160.18	0.00	1162.17
W31	1169.67	0.00	1160.82	0.00	1160.90
W32	1169.43	0.00	1160.82	0.00	1160.89
W33	1188.49	0.02	1160.89	0.00	1162.56
W34	1191.04	0.00	1160.76	0.00	1162.50
W35	1191.84	0.08	1160.45	1.28	1162.65
W36	1192.29	0.00	1161.07	0.00	1163.08
W39	1187.77	0.00	1160.95	0.00	1162.56
W40	1180.69	0.34	1160.47	0.26	1161.51
W41	1185.04	0.00	1161.39	0.00	1162.69
W42	1194.52	0.00	1161.62	0.50	1163.39
W44	1190.93	0.11	1160.52	0.09	1162.39
W45	1190.68	0.00	1160.71	0.00	1163.42
W46	1191.42	0.00	1160.24	0.00	1162.33
W47	1189.34	0.89	1159.18	0.99	1160.46
W48	1189.60	0.00	1159.60	0.00	1160.85
W49	1189.12	0.32	1159.98	0.05	1161.34
W66	1192.36	0.00	1162.14	0.00	1163.77
W67	1191.80	0.00	1162.07	0.00	1163.70
W68A	1190.90	0.04	1162.14	0.00	1163.85
W68B	1191.39	0.00	1162.12	0.00	1163.72
W69	1192.20	0.00	1160.92	0.30	1162.77
W70B	1200.27	0.00	1161.94	0.00	1163.67
River	1164.19	-----	No Gage	-----	No Gage
IW01	1190.78	0.00	1160.29	-----	-----
IW01A	1190.72	0.00	1160.30	0.00	1162.58

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW9I denotes the inner well

TABLE 3

Groundwater Elevation Data

Wauleco, Inc.

Wausau, Wisconsin

Well No.	Post Aug95 Top of Casing Elevation (ft msl)	January 19, 2005		July 18, 2005	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	0.00	1161.81	0.00	1163.55
PW02	1197.10	0.00	1161.84	0.00	1163.70
PW03	1190.53	0.00	1161.88	0.00	1163.46
PW3S	1188.51	0.00	1159.57	0.00	1161.46
PW04	1190.50	0.00	1155.65	0.00	1154.07
PW05	1187.43	0.00	1156.51	0.00	1151.97
PW06	1191.94	0.19	1161.16	0.27	1162.85
PW07	1189.70	0.05	1154.68	0.07	1157.17
PW08	1189.87	0.10	1160.30	0.09	1161.92
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	0.00	1160.72	0.00	1162.94
PW10	1191.66	0.00	1160.62	0.00	1162.56
PW11	1188.75	0.92	1155.27	0.88	1155.35
PW12	1192.11	0.00	1161.39	0.00	1163.07
PW13	1192.2	0.00	1160.46	0.00	1156.92
PW14	1188.87	0.00	1160.19	0.00	1161.49
PW15	1189.31	0.00	1160.05	0.00	1161.44
PW16	1191.88	0.00	1156.80	0.00	1157.62
PW17	1191.84	0.00	1158.07	0.04	1159.82
PW18	1190.14	0.21	1154.99	0.77	1158.49
PW19	1192.62	0.00	1157.31	0.31	1159.36
PW20	1191.32	0.02	1158.05	0.37	1159.71
PW21	1190.19	0.00	1155.96	0.00	1159.06
PW22	1192.3	0.00	1161.61	0.00	1162.40
PW23	1189.47	0.00	1156.83	0.01	1158.20
PW24	1188.28	0.78	1157.05	0.58	1158.88
PW25	1189.52	0.18	1156.60	0.31	1156.87
PW26	1188.8	0.51	1156.75	0.38	1158.72
PW27	1188.51	0.38	1155.86	0.03	1156.46
PW28	1192.24	0.00	1160.77	0.00	1162.33
PW29	1192.26	0.03	1160.78	0.00	1162.37
P01	1191.46	0.00	1160.26	0.00	1162.28
OW01	1197.58	0.00	1162.21	0.00	1163.93
W01A	1194.11	0.00	1162.45	0.00	1164.17
W01B	1194.89	0.00	1162.38	0.00	1164.14
W02	1193.58	0.00	1161.74	0.00	1163.33
W03A	1187.64	0.14	1159.93	0.14	1161.21
W03B	1187.69	0.00	1160.94	0.00	1161.76
W04A	1192.31	0.16	1161.20	0.15	1162.85
W04B	1192.23	0.01	1161.18	0.00	1162.79
W05	1190.58	0.65	1160.25	0.09	1162.33
W06R	1193.99	0.03	1162.21	0.20	1163.95
W07	1197.32	0.00	1161.94	0.00	1163.90
W08	1206.73	0.00	1170.11	0.00	1174.87
W09	1172.80	0.00	1161.53	0.00	1162.67
W10A	1182.59	0.00	1160.79	0.00	1161.09
W10B	1182.44	0.00	1160.83	0.00	1161.11

TABLE 3

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	Post Aug95 Top of Casing Elevation (ft msl)	January 20, 2004		July 12, 2004	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	0.00	1160.72	0.00	1161.03
W12	1173.95	0.00	1160.48	0.00	1160.69
W13	1188.73	0.00	1160.91	0.00	1161.52
W14	1172.41	0.00	1159.67	0.00	1159.88
W16	1180.60	0.00	1161.23	0.00	1162.16
W17	1187.32	0.01	1160.14	0.00	1161.35
W18	1172.92	0.00	1160.79	0.00	1161.05
W19	1194.28	0.00	1161.72	0.00	1163.45
W21	1170.14	0.00	1160.76	0.00	1160.87
W22	1186.01	0.07	1160.22	0.05	1161.41
W23	1171.55	0.00	1160.77	0.00	1161.04
W24A	1171.77	0.00	1160.79	0.00	1161.02
W25	1194.50	0.00	1162.41	0.00	1164.11
W26	1176.90	0.00	1160.74	0.00	1161.02
W27	1180.19	0.00	1160.95	0.00	1161.77
W28	1174.36	0.00	1160.86	0.00	1161.05
W29	1172.60	0.00	1160.75	0.00	1160.91
W30	1189.84	0.00	1160.18	0.00	1162.17
W31	1169.67	0.00	1160.82	0.00	1160.90
W32	1169.43	0.00	1160.82	0.00	1160.89
W33	1188.49	0.04	1160.89	0.00	1162.56
W34	1191.04	0.00	1160.76	0.00	1162.50
W35	1191.84	0.08	1160.45	1.28	1162.65
W36	1192.29	0.00	1161.07	0.00	1163.08
W39	1187.77	0.00	1160.95	0.00	1162.56
W40	1180.69	0.36	1160.47	0.28	1161.51
W41	1185.04	0.00	1161.39	0.00	1162.69
W42	1194.52	0.00	1161.62	0.50	1163.39
W44	1190.93	0.11	1160.52	0.09	1162.39
W45	1190.68	0.00	1160.71	0.00	1163.42
W46	1191.42	0.00	1160.24	0.00	1162.33
W47	1189.34	0.89	1159.18	0.99	1160.46
W48	1189.60	0.00	1159.60	0.00	1160.85
W49	1189.12	0.32	1159.98	0.05	1161.34
W66	1192.36	0.00	1162.14	0.00	1163.77
W67	1191.80	0.00	1162.07	0.00	1163.70
W68A	1190.90	0.04	1162.14	0.00	1163.85
W68B	1191.39	0.00	1162.12	0.00	1163.72
W69	1192.20	0.00	1160.92	0.00	1162.77
W70B	1200.27	0.00	1161.94	0.00	1163.67
River	1164.19	-----	No Gage	-----	No Gage
IW01	1190.78	0.00	1160.29	-----	-----
IW01A	1190.72	0.00	1160.30	0.00	1162.58

Notes:

1. ft msl = feet mean sea level
2. PW9O denotes the outer well and PW9I denotes the inner well

TABLE 3
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	Post Aug95 Top of Casing Elevation (ft msl)	January 20, 2004		July 12, 2004	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	0.00	1161.81	0.00	1163.55
PW02	1197.10	0.00	1161.84	0.00	1163.70
PW03	1190.53	0.00	1161.88	0.00	1163.46
PW3S	1188.51	0.00	1159.57	0.00	1161.46
PW04	1190.50	0.00	1155.65	0.00	1154.07
PW05	1187.43	0.00	1156.51	0.00	1151.97
PW06	1191.94	0.19	1161.16	0.27	1162.85
PW07	1189.70	0.05	1154.68	0.07	1157.17
PW08	1189.87	0.10	1160.30	0.09	1161.92
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	0.00	1160.72	0.00	1162.94
PW10	1191.66	0.00	1160.62	0.00	1162.56
PW11	1188.75	0.92	1155.27	0.88	1155.35
PW12	1192.11	0.00	1161.39	0.00	1163.07
PW13	1192.2	0.00	1160.46	0.00	1156.92
PW14	1188.87	0.00	1160.19	0.00	1161.49
PW15	1189.31	0.00	1160.05	0.00	1161.44
PW16	1191.88	0.00	1156.80	0.00	1157.62
PW17	1191.84	0.00	1158.07	0.04	1159.82
PW18	1190.14	0.21	1154.99	0.77	1158.49
PW19	1192.62	0.00	1157.31	0.31	1159.36
PW20	1191.32	0.02	1158.05	0.37	1159.71
PW21	1190.19	0.00	1155.96	0.00	1159.06
PW22	1192.3	0.00	1161.61	0.00	1162.40
PW23	1189.47	0.00	1156.83	0.01	1158.20
PW24	1188.28	0.78	1157.05	0.58	1158.88
PW25	1189.52	0.18	1156.60	0.31	1156.87
PW26	1188.8	0.51	1156.75	0.38	1158.72
PW27	1188.51	0.38	1155.86	0.03	1156.46
PW28	1192.24	0.00	1160.77	0.00	1162.33
PW29	1192.26	0.03	1160.78	0.00	1162.37
P01	1191.46	0.00	1160.26	0.00	1162.28
OW01	1197.58	0.00	1162.21	0.00	1163.93
W01A	1194.11	0.00	1162.39	0.00	1164.17
W01B	1194.89	0.00	1162.38	0.00	1164.14
W02	1193.58	0.00	1161.74	0.00	1163.33
W03A	1187.64	0.24	1159.93	0.20	1161.21
W03B	1187.69	0.00	1160.94	0.00	1161.76
W04A	1192.31	0.16	1161.20	0.15	1162.85
W04B	1192.23	0.01	1161.18	0.00	1162.79
W05	1190.58	0.65	1160.25	0.09	1162.33
W06R	1193.99	0.14	1162.21	0.04	1163.95
W07	1197.32	0.07	1161.94	1.08	1163.90
W08	1206.73	0.00	1170.11	0.00	1174.87
W09	1172.80	0.00	1161.53	0.00	1162.67
W10A	1182.59	0.00	1160.79	0.00	1161.09
W10B	1182.44	0.00	1160.83	0.00	1161.11

TABLE 3

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	Post Aug95 Top of Casing Elevation (ft msl)	January 13th, 2003		July 16, 2003	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
W11	1175.25	0.00	1160.79	0.00	1160.81
W12	1173.95	0.00	1160.49	0.00	1160.51
W13	1188.73	0.00	1161.15	0.00	1161.20
W14	1172.41	0.00	1159.66	0.00	1159.68
W16	1180.60	0.00	1161.51	0.00	1161.66
W17	1187.32	0.13	1160.22	0.00	1160.44
W18	1172.92	0.00	1160.99	0.00	1160.87
W19	1194.28	0.00	1162.46	0.00	1162.58
W21	1170.14	0.00	1160.75	0.00	1160.75
W22	1186.01	0.00	1160.30	0.08	1160.56
W23	1171.55	0.00	1160.80	0.00	1160.80
W24A	1171.77	0.00	1160.79	0.00	1160.79
W25	1194.50	0.00	1163.30	0.00	1163.62
W26	1176.90	0.00	1160.83	0.00	1160.87
W27	1180.19	0.00	1162.17	0.00	1161.32
W28	1174.36	0.00	1160.95	0.00	1160.91
W29	1172.60	0.00	1160.81	0.00	1160.79
W30	1189.84	0.00	1160.34	0.00	1160.66
W31	1169.67	0.00	1160.85	0.00	1160.86
W32	1169.43	0.00	1160.86	0.00	1160.83
W33	1188.49	0.05	1161.35	0.00	1161.64
W34	1187.75	0.00	1157.86	0.00	1158.19
W35	1191.84	0.13	1160.73	0.11	1161.07
W36	1192.29	0.00	1161.40	0.00	1161.97
W39	1187.77	0.00	1161.38	0.00	1161.68
W40	1180.69	0.45	1160.69	0.31	1160.87
W41	1185.04	0.00	1161.71	0.00	1161.98
W42	1194.52	0.02	1162.32	0.00	1162.64
W44	1190.93	0.04	1160.76	0.00	1161.08
W45	1190.68	0.00	1160.78	0.00	1161.75
W46	1191.42	0.00	1160.07	0.00	1160.46
W47	1185.99	1.36	1155.69	1.53	1156.05
W48	1186.28	0.03	1156.10	0.00	1156.44
W49	1185.91	0.39	1156.82	0.00	1157.06
W66	1192.36	0.00	1163.02	0.00	1163.32
W67	1191.80	0.00	1162.95	0.00	1163.27
W68A	1190.90	0.00	1163.03	0.00	1163.36
W68B	1191.39	0.00	1162.96	0.00	1163.26
W69	1192.20	0.09	1161.57	0.00	1161.91
W70B	1200.27	0.00	1162.75	0.00	1163.06
River	1164.19	0.00	No Gage	-----	No Gage
IW01	1190.78	-----	-----	0.00	1160.66
IW01A	1190.72	-----	-----	0.00	1160.92

Notes:

1. ft msl = feet mean sea level
2. PW90 denotes the outer well and PW91 denotes the inner well

TABLE 3

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	Post Aug95 Top of Casing Elevation (ft msl)	January 13th, 2003		July 16, 2003	
		Oil Thickness (ft)	Water Table Elevation (ft msl)	Oil Thickness (ft)	Water Table Elevation (ft msl)
PW01	1197.55	0.00	1162.61	0.00	1162.93
PW02	1197.10	0.00	1162.64	0.00	1163.04
PW03	1190.53	0.00	1162.66	0.00	1162.97
PW3S	1188.51	0.00	1159.70	0.00	1160.03
PW04	1190.50	0.00	1160.51	0.00	1160.84
PW05	1187.43	0.00	1151.90	0.00	1156.89
PW06	1191.94	0.41	1161.75	0.26	1162.04
PW07	1189.70	0.33	1157.76	0.17	1157.82
PW08	1189.87	0.19	1161.14	0.07	1161.47
PW9I	1188.58	-----	-----	-----	-----
PW9O	1189.94	0.00	1160.77	0.00	1161.39
PW10	1191.66	0.00	1160.84	0.00	1161.18
PW11	1188.75	0.98	1156.10	0.02	1156.81
PW12	1192.11	0.00	1161.29	0.00	1162.10
PW13	1192.2	0.00	1158.31	0.00	1155.98
PW14	1188.87	0.00	1160.21	0.00	1160.50
PW15	1189.31	0.00	1160.02	0.00	1160.32
PW16	1191.88	0.00	1157.93	0.00	1157.56
PW17	1191.84	0.00	1158.88	0.00	1158.64
PW18	1190.14	1.24	1158.21	0.00	1157.86
PW19	1192.62	0.56	1157.58	0.01	1158.47
PW20	1191.32	0.21	1159.50	0.27	1158.70
PW21	1190.19	0.00	1158.64	0.00	1158.04
PW22	1192.3	0.00	1160.94	0.00	1161.27
PW23	1189.47	0.00	1155.66	0.00	1157.92
PW24	1188.28	1.16	1156.59	0.00	1157.58
PW25	1189.52	1.24	1156.55	0.00	1156.33
PW26	1188.8	0.77	1156.18	0.08	1157.17
PW27	1188.51	0.77	1155.89	0.43	1154.70
PW28	1192.24	0.00	1161.54	0.00	1161.86
PW29	1192.26	0.00	1161.62	0.00	1161.93
P01	1191.46	0.03	1160.33	0.00	1160.66
OW01	1197.58	0.00	1163.12	0.00	1163.44
W01A	1194.11	0.00	1163.35	0.00	1163.73
W01B	1194.89	0.00	1163.34	0.00	1163.68
W02	1193.58	0.00	1162.53	0.00	1162.84
W03A	1187.64	0.25	1160.02	0.22	1160.29
W03B	1187.69	0.00	1161.19	0.00	1161.34
W04A	1192.31	0.09	1161.73	0.00	1162.02
W04B	1192.23	0.00	1161.70	0.00	1161.98
W05	1190.58	0.08	1160.49	0.00	1160.80
W06R	1193.99	0.08	1163.14	0.00	1163.47
W07	1197.32	0.80	1162.88	0.59	1163.20
W08	1206.73	0.00	1172.34	0.00	1174.35
W09	1172.80	0.00	1162.03	0.00	1162.23
W10A	1182.59	0.00	1160.87	0.00	1160.87
W10B	1182.44	0.00	1160.91	0.00	1160.91

12/11/97

1996 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC.
WAUSAU FACILITY
WAUSAU, WISCONSIN

RECEIVED
DEC 11 1997
WAUSAU DNR

DECEMBER 1997

PREPARED FOR:
WAULECO, INC.
STEVENS POINT, WISCONSIN

• • •
PREPARED BY:
MONTGOMERY WATSON
MADISON, WISCONSIN

PROJECT NO. 1242057.0305.0041



MONTGOMERY WATSON



MONTGOMERY WATSON

December 8, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: Transmittal of 1996 Annual Groundwater Monitoring Report
WAULECO, Inc.
Wausau, Wisconsin

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies of the 1996 Annual Groundwater Monitoring Report for the WAULECO, Inc. site in Wausau, Wisconsin.

As discussed during our April 15, 1997 meeting, we have implemented changes to the monitoring program which includes reduction of the routine sampling frequency from quarterly to semi-annually and one additional round of dioxin/furan sampling and analysis be conducted in 1998, with the elimination of dioxin/furan analysis for an indefinite period of time.

If you have any questions or comments, please call me at (608) 231-4747.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Environmental Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Section Chief - WDNR (Madison, WI) (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

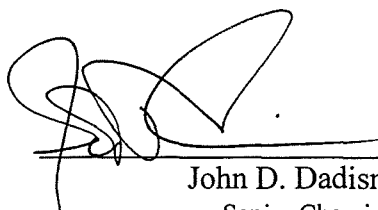
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1996 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC.
WAUSAU FACILITY
WAUSAU, WISCONSIN

DECEMBER 1997

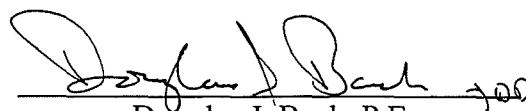
The following individuals were responsible for the preparation of this report: John D. Dadisman, Kenneth J. Quinn, and Douglas J. Bach. The hydrogeologist listed below meets the requirements of NR 500.03(64), Wisconsin Administrative Code.



John D. Dadisman
Senior Chemist



Kenneth J. Quinn, P.G.
Principal Hydrogeologist



Douglas J. Bach, P.E.
Supervising Engineer

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1996 ANNUAL GROUNDWATER MONITORING REPORT

WAULECO, INC. WAUSAU FACILITY

INTRODUCTION

The 1996 Annual Groundwater Monitoring Report presents a summary of the groundwater data collected from the Wauleco, Inc., facility in Wausau, Wisconsin. The focus of this report is on groundwater data collected during the 3rd and 4th quarter sampling events for 1995, and the 1st and 2nd quarter sampling events for 1996. For comparison purposes, this report also includes historic groundwater data collected at the site starting in January 1987. Based on the interpretation of groundwater data collected since 1987, the report includes recommended changes to the monitoring schedule, including the indefinite elimination of dioxin/furan analyses (after one additional round of samples in 1998), and the transition to a semi-annual sampling program.

To support the presentation and interpretation of the groundwater monitoring data, this document contains the following information:

- Water table elevations and groundwater contour maps for December 1995 and June 1996 (Drawings B1 through B4)
- Apparent product thickness maps for December 1995 and June 1996 (Drawings B5 and B6)
- Chemical isoconcentrations maps based on July 1996 analytical results for:
 - Pentachlorophenol (PCP) (Drawing B7)
 - Benzene (Drawing B8)
 - Xylenes (Drawing B9)
 - Trichloroethylene (Drawing B10)
 - Naphthalene (Drawing B11)
 - Total Petroleum Hydrocarbons (TPH) (Drawing B12)
 - Chloride (Drawing B13)

- Data summary tables containing historical groundwater analytical results for each monitoring well (Appendix A)
- Time trend analysis depicting historical concentrations of PCP and chloride at each well on the monitoring program with four or more rounds of analytical results (Appendix B)

BACKGROUND

Periodic groundwater sampling has occurred at the Wauleco, Wausau facility since at least January 1987. A formal Groundwater Monitoring Plan (GMP) was prepared for the site in January 1992, and with slight modifications, the first sampling round conducted under the GMP occurred during February 1992. Since 1992, a number of changes have occurred at the Wauleco property, including the demolition of most site buildings and regrading of the property. The physical changes at the property necessitated the proper abandonment of monitoring wells W6, W20, W37, and W38 and the installation of monitoring wells W6R, W68A, W68B, W69, and W70B. One monitoring well, W43 was lost during this time period due to utility work on the property. Improvements have also been made to the groundwater extraction and treatment system since 1992, including the discontinuation of the infiltration gallery, and the addition of pumping wells PW9 through PW16. Further modifications to the GMP have been made to accommodate the changes described above, and to streamline the monitoring effort beginning in 1997, groundwater sampling will be performed on a semi-annual basis (Spring and Fall). The resulting monitoring program is summarized in Table 1. The Groundwater Monitoring Report will be submitted on an annual basis following completion of the Spring round of sampling and analysis. In addition, semi-annual monitoring data will continue to be submitted to WDNR with the monthly operation reports.

SAMPLING EVENT SUMMARY

The 1996 Annual Groundwater Monitoring Report provides a presentation and interpretation of data collected at the Wauleco site beginning in 1987 and continuing through July 1996. All sampling activities since 1992 have been conducted in accordance with the Wauleco Groundwater Monitoring Plan and WDNR conditional approvals. During each sampling event, water levels and product thickness measurements were first recorded, followed by purging of each well to be sampled. Wells included in the 3rd and 4th quarter 1995, and 1st and 2nd quarter 1996 monitoring program are shown on Table 2. Groundwater samples were not collected from wells that contained measurable product. Groundwater samples were submitted as appropriate for laboratory analysis of chloride by Method 325.3, nitrite + nitrate by Method 353.2, ammonia by Method 350.3, volatile organic compounds (VOCs) including naphthalene by Method 8021, phenolics by Method 8040, total petroleum hydrocarbons (TPH) by Method ASTM D-3328-78 and dioxin/furans by Method 1613.

Beginning in 1995, the annual analysis for total recoverable petroleum hydrocarbons (TRPH) was replaced with the TPH analysis. This change was made to eliminate the use of chlorofluorocarbons (CFC) in the analytical procedure. The TPH analysis includes the range of petroleum compounds found in mineral spirits. Mineral spirits were used in the window manufacturing process formerly located at this site.

PRESENTATION OF RESULTS

Review of historical analytical data indicates, changes in groundwater level elevations influence dissolved contaminant concentrations, and apparent product thickness at the Wauleco site.

As described in previous Wauleco Groundwater Monitoring Reports (December 1994, March 1996) unusually high water levels at the site resulted in observed increases in groundwater contaminant concentrations. High groundwater levels also tend to reduce apparent product thickness and distribution, and reduce product recovery. Following relatively stable and low water levels at the site during spring and summer of 1995, which allowed high product recovery rates, a heavy rainfall event in August 1995 resulted in moderately increased water levels. As described in the following paragraphs, the moderate increase in water levels lead to a slight decrease in apparent product thickness and distribution, while dissolved contaminant concentrations decreased. As expected, product recovery rates decreased in response to the increased groundwater elevations.

Drawings B1 and B2 show water table elevations from each well for December 1995 and June 1996 respectively; Drawings B3 and B4 show water table contours for the same periods. The 1,161 ft (MSL) contour lines on Drawing B3 around production wells PW4, PW10, PW13, PW14, and PW15 and around PW5, PW7, and PW11, shows the combined cone of depression around these extraction wells during December 1994. The 1161 contour on Drawing B4 shows approximately the same area of influence for these pumping wells in 1996 as in June 1995. The 1996 results indicate steeper gradients near the pumping area due to the slightly higher regional groundwater levels. A routine program of well redevelopment which began in December 1994 is continuing to reduce bio-fouling problems at certain wells, which had been decreasing the pumping capacity of those wells. The redevelopment program allows greater ability to maintain lower water levels in the source area which enhances product recovery.

Apparent product thickness during December 1995 and June 1996 are depicted on Drawings B5 and B6 respectively. Apparent product thickness represents a measurable thickness of product which has moved into a monitoring well. While apparent product thickness indicates the presence of product at the monitoring well location, it does not necessarily reflect the actual thickness of free product above the water table. Generally, as groundwater levels increase, apparent product thickness will decrease, and as water levels decline, apparent product thickness will increase. The effect of water levels on apparent product thickness is evident on Drawings B5 and B6. The areal extent and thickness of apparent product

thickness in June 1996 (Drawing B6) appears slightly smaller than December 1995 (Drawing B5), due to the increase in water levels over the same period of time.

The same influence of water levels on product movement to monitoring wells, occurs in product movement to extraction wells. Figure 1 shows the relationship between product recovery and groundwater levels at the site. Product recovery for the twelve month period of October 1995 through September 1996 totaled 2,891 gal. compared to 11,467 gal during the same '94-'95 period.

A summary of the analytical results for each monitoring well location is provided in Appendix A. Time trend graphs for PCP and chloride are provided in Appendix B. Isoconcentration maps for PCP, benzene, xylenes, trichloroethylene (TCE), naphthalene, total petroleum hydrocarbons (TPH), and chloride concentrations are provided in Drawings B7 through B13.

The July 1996 sampling event represents the fifth round of dioxin/furan analyses in groundwater at the site (Appendix A4). While seventeen chemical isomers of the dioxin/furans are analyzed for, only the 2,3,7,8-tetrachlorodibenzo-p-dioxin (2378-TCDD) has a Chapter NR 140, Wisconsin Administrative Code groundwater quality standard (NR 140). The NR 140 Enforcement Standard for 2378-TCDD is 0.00003 ug/L, compared to the NR 140 enforcement standard of 1 ug/L for PCP, the primary contaminant of concern at this site. Because of the magnitude of the relative difference in groundwater quality standards between these two constituents, we are proposing one additional round of dioxin/furan analyses in 1998, then the elimination of the dioxin/furan analysis for an indefinite period of time.

The 2378-TCDD isomer has not been detected in the groundwater samples collected from the site in the last three years, with the exception of well W03A where it was detected in June 1994, and well W8 where it was detected in July 1995 (Appendix A4). Well W8 is located upgradient (west) of the Wauleco site, and is considered a background monitoring point for groundwater. Similar to trends for PCP, the groundwater concentrations of the dioxin/furans have generally been decreasing since 1992, and higher concentrations of this class of chemicals has been associated with the areas of higher PCP concentrations. This would indicate that efforts to remediate PCP in groundwater at the site, also addresses the dioxin/furans. The information collected to date regarding dioxin/furan concentrations in groundwater provides a reasonable base for evaluating the effectiveness of removing these constituents with continuing remediation efforts. Continued interim monitoring of the dioxin/furans provides little additional information at this time, when compared to the relatively high cost of analysis.

As with the dioxin/furans, the results for the July 1996 groundwater samples, indicate a general decrease in most of the remaining contaminant concentrations, when compared to previous sampling events. Following is a summary of changes/trends in specific contaminant concentrations since the June 1995 Annual Report:

- **PCP** - A general decrease in PCP concentrations in groundwater at the site was observed during the second six months of 1995 and the first six months of 1996. This continues the decreasing trend in dissolved PCP concentrations in groundwater since the relatively high water levels of 1993, as described in the 1995 Annual Groundwater Report (March 1996) (see PCP time trend graphs in Appendix B1). PCP concentrations within the 300 ug/L isoconcentration contour were substantially lower in July 1996, than in July 1995 and previous years. The exceptions are wells W29, located southeast of the site, and W41, located south of the site. At both well locations the observed PCP concentration increase was within the historic levels. At well W29 the increase appears to be a slight fluctuation, while at W41 there is a general upward trend in concentrations since October 1994 (Appendix B1). The difference in PCP concentration trends downgradient (east) of the site, compared to well W41, may be attributable to the combined effects of the influence of the groundwater containment system, and the relatively stable water levels (when compared to 1993).
- **Benzene** - As in the 1995 Annual Report, observed benzene concentrations above the 1 ug/L contour were isolated to the south and east of the Wauleco site (see Drawing B8). The exception was well W9, located north of the Wauleco site. Benzene concentrations were generally lower in July 1996 than in July 1995.
- **Total Xylenes** - When compared to the July 1995 data, the total xylenes 124 ug/L isoconcentration contours appears to shift to the north, encompassing the Wauleco site. The apparent shift can be explained by an observed decrease in concentrations at wells located to the south and east of the site, along with the sampling and analysis for this parameter at a number of on-site wells during July 1996, that were previously not sampled due to the presence of product.
- **Trichloroethylene** - The areal extent for TCE concentrations above 5 ug/L during the July 1996 sampling is similar to previous sampling rounds. TCE concentrations within the contour are also similar to the July 1995 results. TCE which was at concentrations above 5 ug/L in samples collected from wells W12 and W14 during the July 1995 sampling event, was not detected in July 1996.
- **Naphthalene** - Naphthalene concentrations above 100 ug/L were generally limited to areas where product is or has been observed in the past. Outside this area, naphthalene concentrations during the July 1996 sampling round were generally lower than in 1995.
- **TPH** - The areal extent of total petroleum hydrocarbon (TPH) concentrations above 1.0 mg/L is similar to the 1994 and 1995 results. Note that in previous years the total recoverable petroleum hydrocarbon (TRPH) contour was drawn at the 1000 ug/L concentration, which corresponds to the 1.0 mg/L contour shown in this report on Drawing B12.

- **Chloride** - As with previous sampling results, the chloride concentrations detected in groundwater, appear to be influenced by other potential sources such as road salt use in the area. Compared to the July 1995 results, groundwater chloride concentrations in 1996 were lower, with the exception of well W26, located to the east of the site.

SUMMARY AND CONCLUSIONS

The July 1996 sampling event represents the seventeenth round of groundwater sampling conducted under the Wauleco Groundwater Monitoring Plan (GMP). The first sampling event conducted under the GMP occurred in February 1992, although, routine groundwater sampling at selected wells had been ongoing since 1987. Based on the amount of data collected at this site, a semi-annual monitoring program will adequately document changes in parameter concentrations.

As described in previous groundwater monitoring reports, changes in groundwater elevations at the site influence dissolved contaminant concentrations in groundwater samples, and the apparent product thickness observed in monitoring wells. Following relatively stable and low water levels at the site during spring and Summer of 1995, which allowed high product recovery rates, a heavy rainfall event in August 1995 resulted in moderately increased water levels. The moderate increase in water levels lead to a slight decrease in apparent product thickness and distribution, and decreased dissolved contaminant concentrations. The same influence of water levels on product thickness occurs with product recovery. Product recovery for the twelve month period of October 1995 through September 1996 totaled 2,891 gal, compared to 11,467 gal during the same '94-'95 period.

The results for the July 1996 groundwater samples, indicate a general decrease in most contaminant concentrations, when compared to previous sampling events. This trend was also observed in dioxin/furan concentrations. The July 1996 sampling event represented the fifth year of dioxin/furan analyses in groundwater at the site. Based on the similar response between dioxin/furan and PCP groundwater concentrations to continuing remediation efforts, and the magnitude of the relative difference in groundwater quality standards between these two constituents, we will sample and analyze for the dioxin/furans once during 1998, and then eliminate the dioxin/furan analysis for an indefinite period of time.

A general decrease in PCP concentrations in groundwater at the site was observed during the second six months of 1995 and the first six months of 1996. This continues the decreasing trend in dissolved PCP concentrations observed in groundwater since the relatively high water levels of 1993, and reflects the success of the groundwater remediation system.

JDD/vlr/KJQ/DJB
\\MAD1_SERVER1\Main\jobs\1242\057\03\wp\rpt\99_text.doc
1242057.0309.0041-MD

TABLE 1

**GROUNDWATER MONITORING PROGRAM
WAULECO, INC.
WAUSAU, WISCONSIN**

Well Location	Semi-Annual	Annual
W1A	W	S
W2	W	S+
W3A	W	S+
W3B		S+
W6R	W	S
W8	W	S+
W9		S
W10A		S+
W10B		S
W11		S+
W12		S
W13	W	S
W14		S
W16		S+
W17	W	S
W18		S
W19	W	S
W21		S
W22	W	S
W25	W	S+
W26	W	S+
W27		S
W28		S+
W29		S+
W32		S
W33	W	S+
W36	W	S+
W39	W	S
W40	W	S
W41	W	S
W69	W	S

Notes:

W = Designates well locations to be sampled during the winter sampling round and analyzed for:
phenolic compounds, chloride, nitrite + nitrate, ammonia, field pH, and field specific conductance.

S = Designates well locations to be sampled during the summer sampling round and analyzed for: chloride,
naphthalene, phenolic compounds, total petroleum hydrocarbons,
volatile organic compounds, nitrite + nitrate, ammonia, field pH, and field specific conductance.

S+ = Designates well locations to be sampled during the summer sampling round and analyzed for: the parameters
described above under "A" plus dioxin/furans during the summer of 1998.

TABLE 2

**SUMMARY OF GROUNDWATER SAMPLING LOCATIONS
WAULECO, INC.
WAUSAU, WISCONSIN**

Well Location	3rd Quarter 1995	4th Quarter 1995	1st Quarter 1996	2nd Quarter 1996
W1A	X	X	X	X
W2	X	X	X	X+
W3A	X	X	X	X+
W3B				X+
W6R	Product	X	Product	X
W8	X	X	X	X+
W9				X
W10A				X+
W10B				X
W11				X+
W12				X
W13	X		X	X
W14				X
W16				X+
W17	Product	Product	Product	Product
W18				X
W19	X		X	X
W21				X
W22	X	X	X	X
W25	X		X	Inaccessible
W26	X		X	X+
W27				X
W28				X+
W29				X+
W32				X
W33	X	X	X	X+
W36	X	Product	Product	X+
W39	X	X	X	X
W40	Product		Product	Product
W41	X		X	X
W69	Product	Product	Product	Inaccessible

Notes:

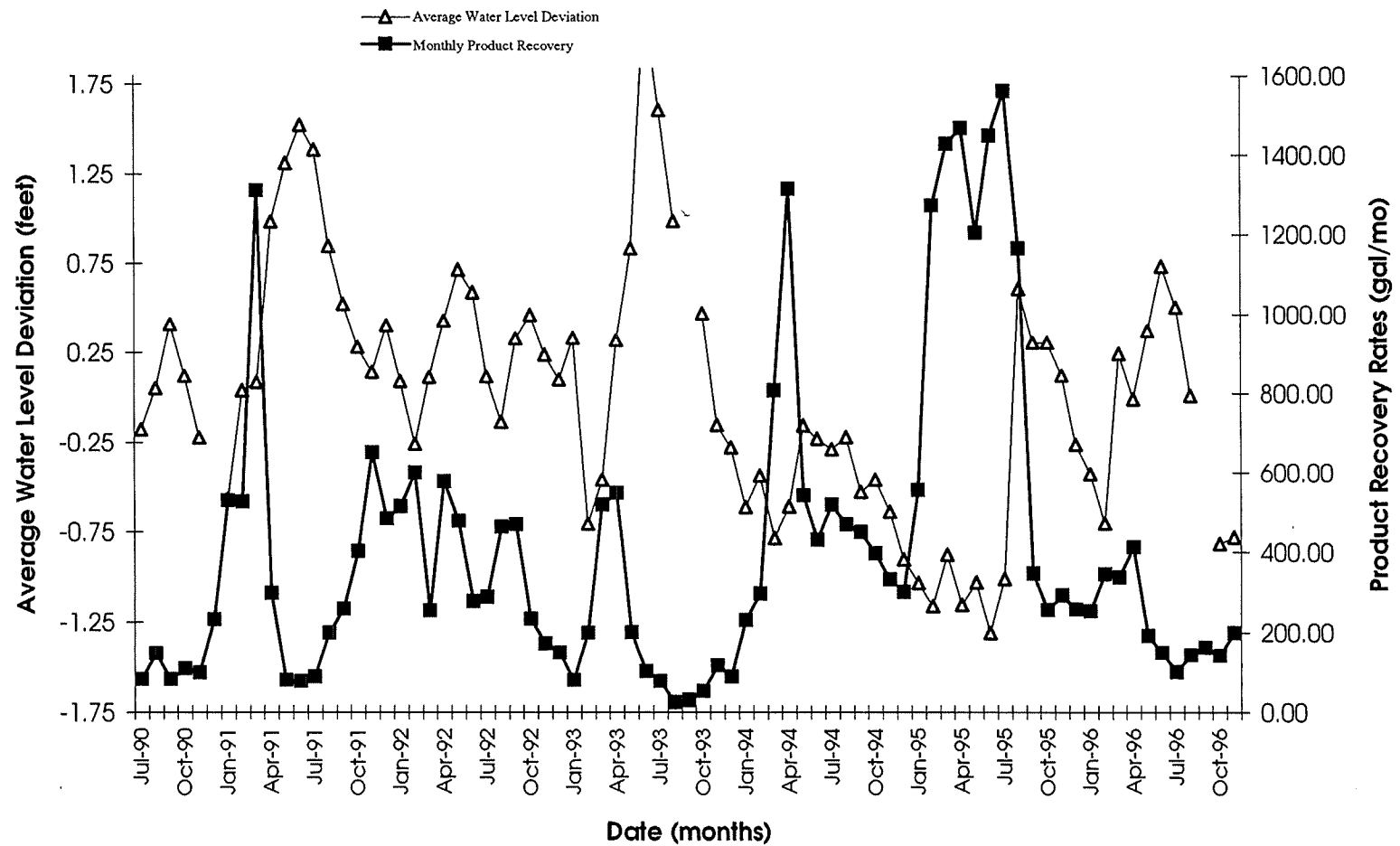
3rd Quarter 1995 samples collected on September 13, 1995.

4th Quarter 1995 samples collected on December 18, 1995.

1st Quarter 1996 samples collected on March 20 and 21, 1996.

2nd Quarter 1996 samples collected on July 8 and 9, 1996.

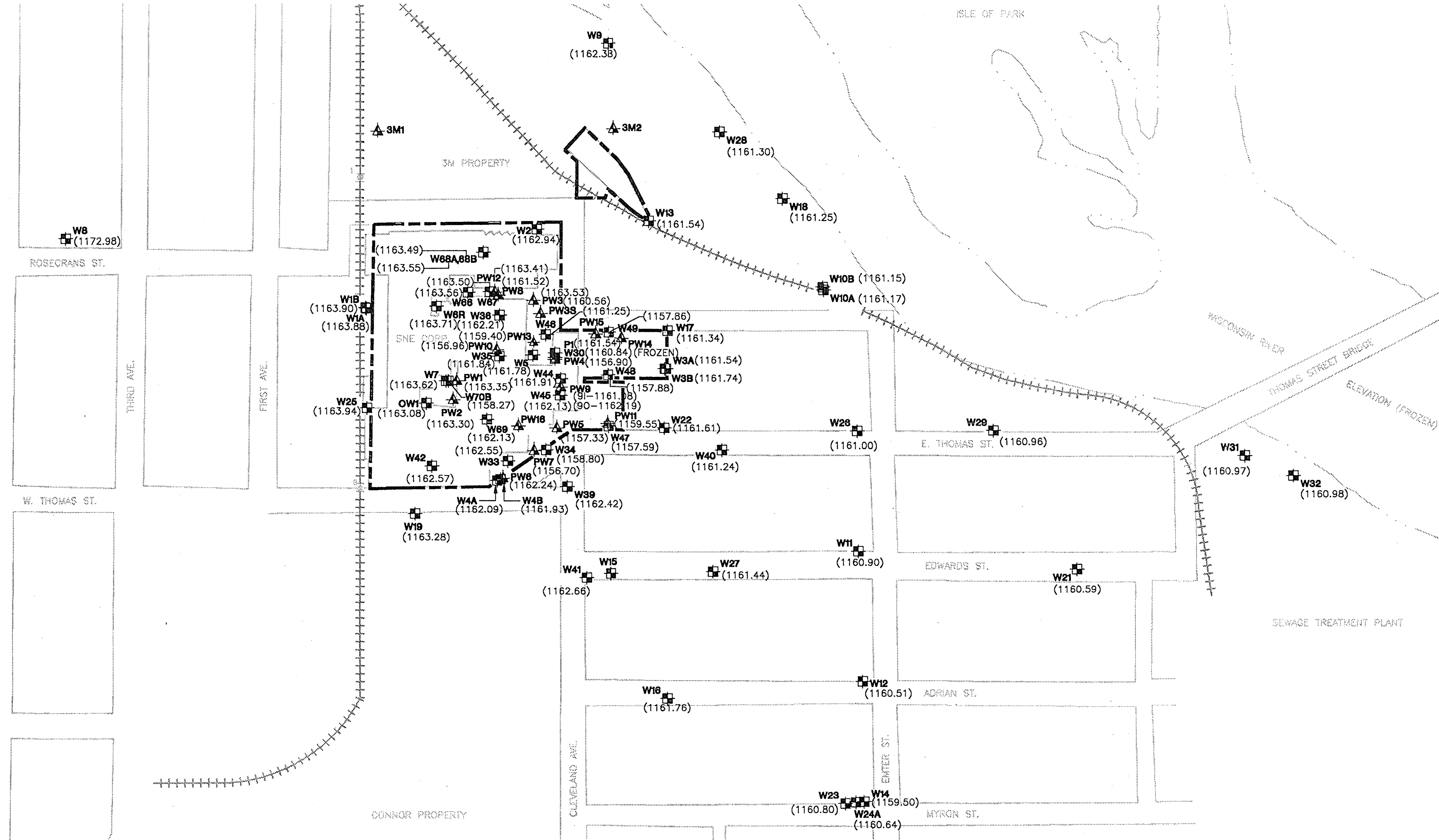
FIGURE 1
Average Water Level Deviation Versus Product Recovery Rates



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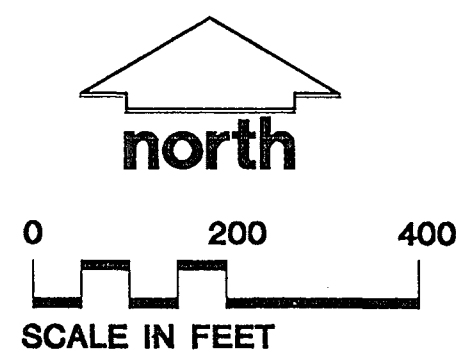
QUALITY CONTROL

Graphic Standards, DLF 12-11-96
Lead Professional
Technical Review
PM Review
JDD 12-20-96
Management Review
Other



- LEGEND**
- MONITORING WELL LOCATION, NUMBER, AND WATER TABLE ELEVATION
 - EXTRACTION WELL LOCATION, NUMBER, AND WATER TABLE ELEVATION
 - APPROXIMATE PROPERTY LINE

- NOTES**
- BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
 - WATER TABLE ELEVATIONS OBTAINED BY MONTGOMERY WATSON ON DECEMBER 29, 1995.



WATER TABLE ELEVATIONS (DECEMBER 29, 1995)

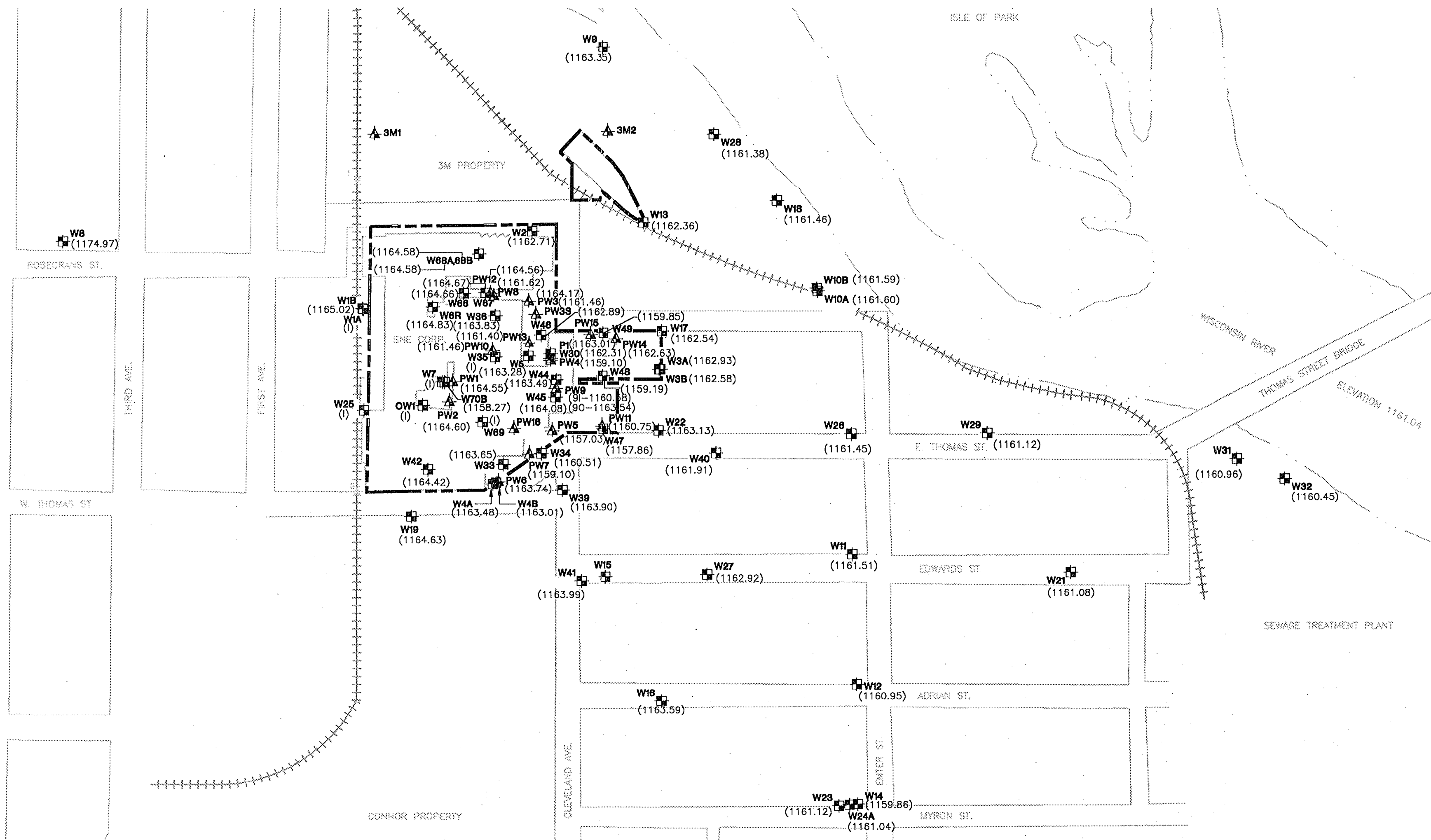
ANNUAL GROUNDWATER MONITORING REPORT
WAULECO INC.
PART OF SECTION 35, T29N, R8E
WAUSAU, WISCONSIN

Drawing Number
4113.0041 B1

MONTGOMERY WATSON

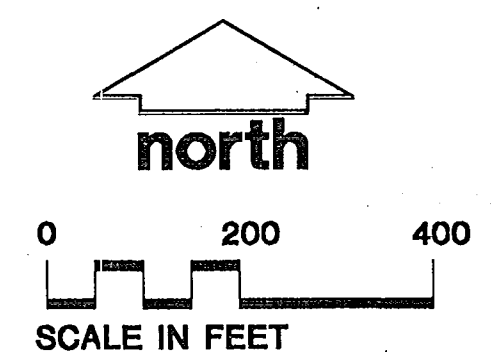
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Revisions

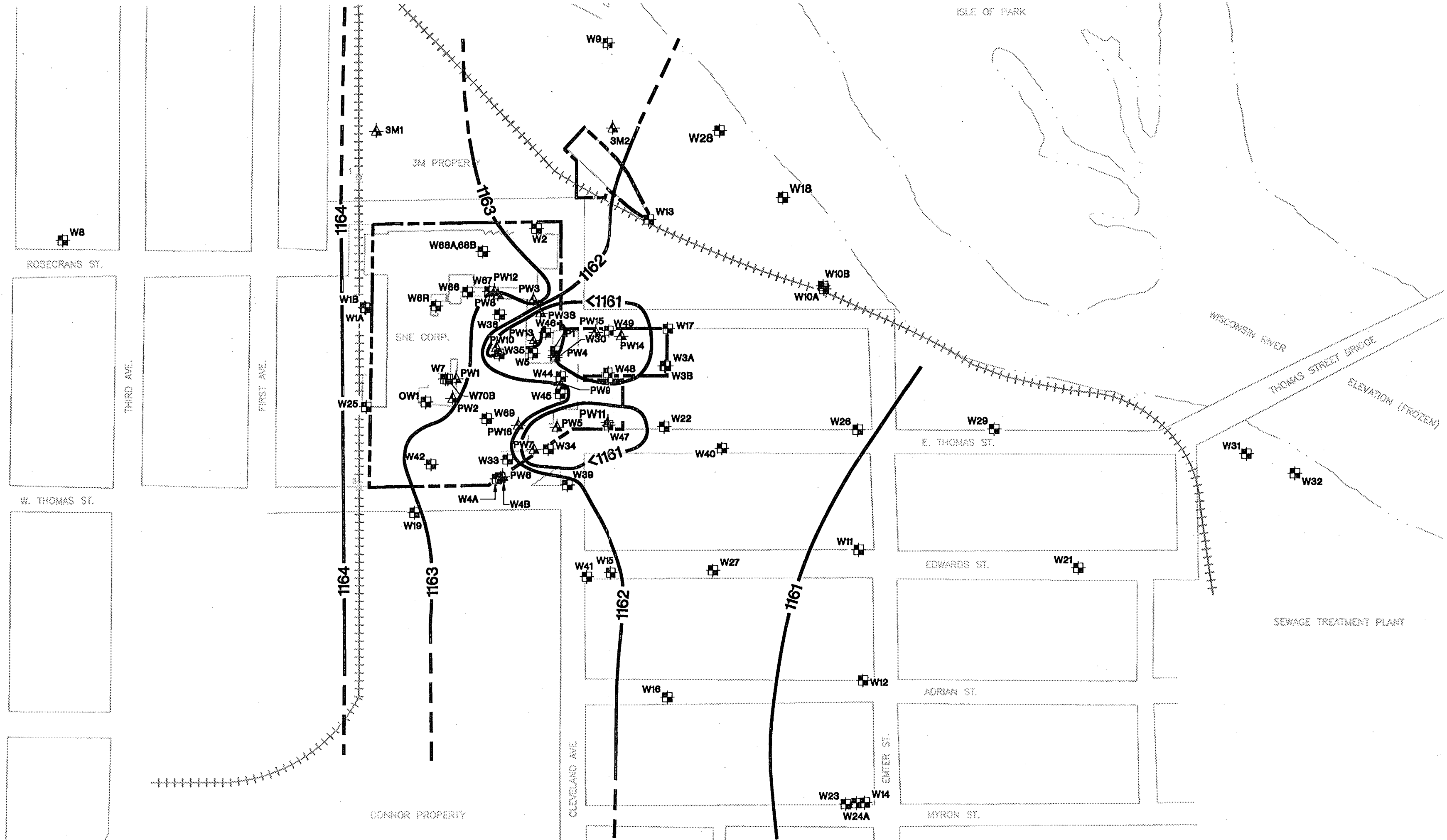
Drawn By DLF
Date 12.8.97



- LEGEND**
- W8 (1174.97) MONITORING WELL LOCATION, NUMBER, AND WATER TABLE ELEVATION
 - PW5 (1157.03) EXTRACTION WELL LOCATION, NUMBER, AND WATER TABLE ELEVATION
 - (I) INACCESSIBLE
 - APPROXIMATE PROPERTY LINE

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
 2. WATER TABLE ELEVATIONS OBTAINED BY MONTGOMERY WATSON ON JUNE 27, 1996.
 3. GROUNDWATER ELEVATION DATA WAS NOT RECORDED AT MONITORING WELLS W1A, W25, W7, OW1, W35, AND W69 DUE TO THE OPERATION OF THE PHASE II AIR SPARGE/SOIL VAPOR EXTRACTION PILOT TEST.



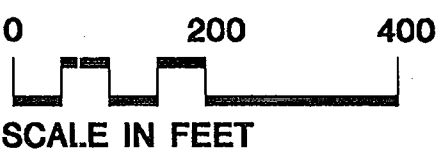


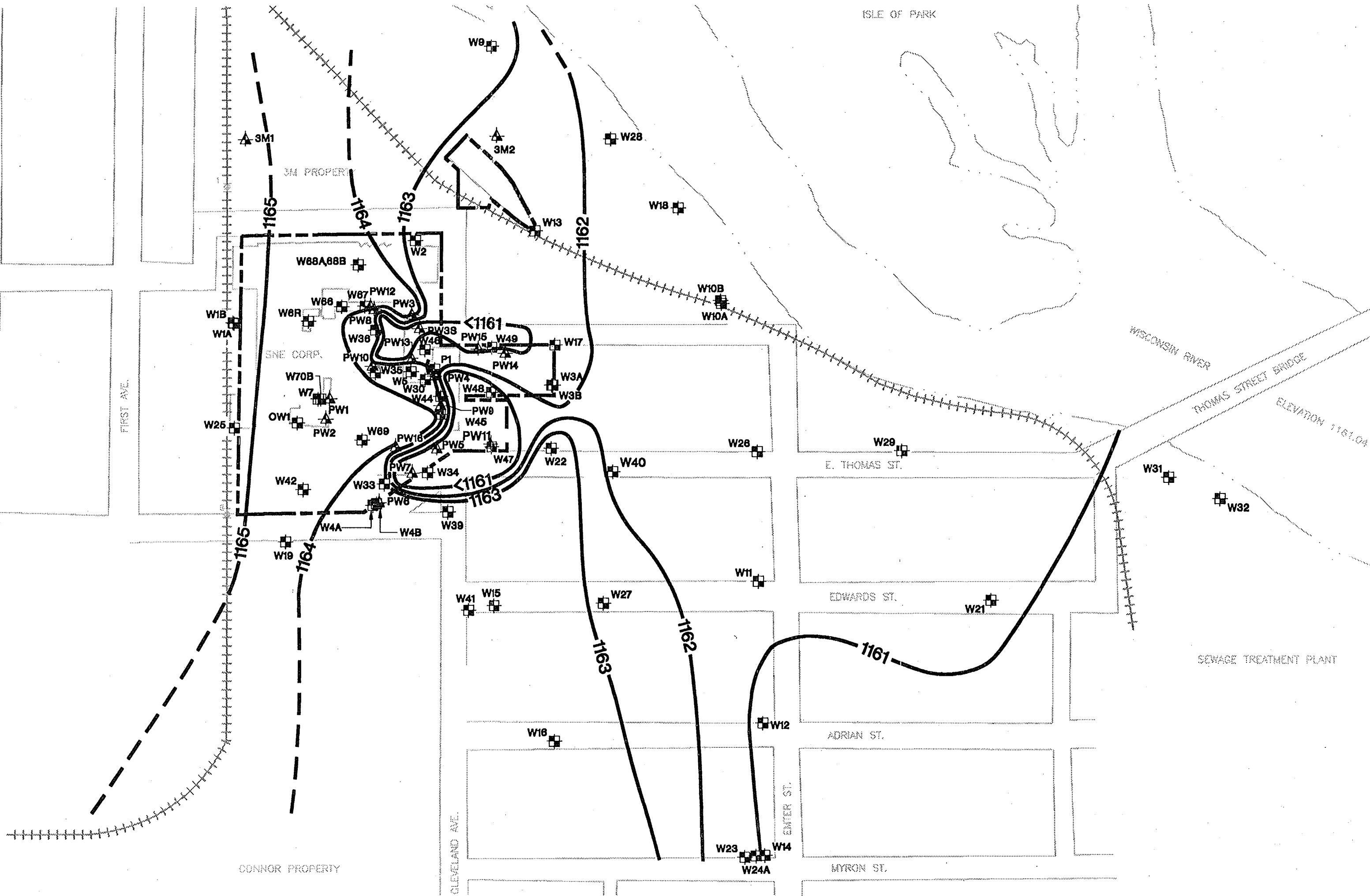
LEGEND

- W13 MONITORING WELL LOCATION AND NUMBER
- PW2 EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 1162- WATER TABLE CONTOUR (CONTOUR INTERVAL: 1 FT, DASHED WHERE INFERRED)

NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. WATER TABLE ELEVATIONS OBTAINED BY MONTGOMERY WATSON ON DECEMBER 29, 1995.



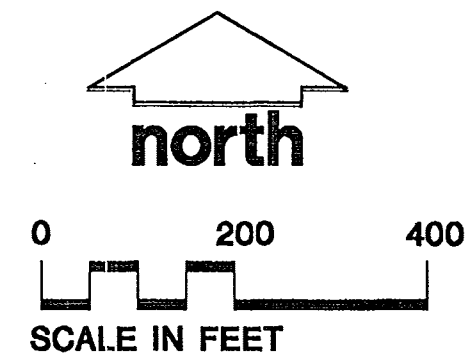


LEGEND

- W13 MONITORING WELL LOCATION AND NUMBER
- PW2 EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 1162.0- WATER TABLE CONTOUR (CONTOUR INTERVAL: 1 FT, DASHED WHERE INFERRED)

NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. WATER TABLE ELEVATIONS OBTAINED BY MONTGOMERY WATSON ON JUNE 27, 1996.



WATER TABLE MAP (JUNE 27, 1996)

ANNUAL GROUNDWATER MONITORING REPORT
WAULECO INC.
PART OF SECTION 35, T29N, R8E
WAUSAU, WISCONSIN

Drawing Number
4113.0041 B4

MONTGOMERY
WATSON



Developed By ADD

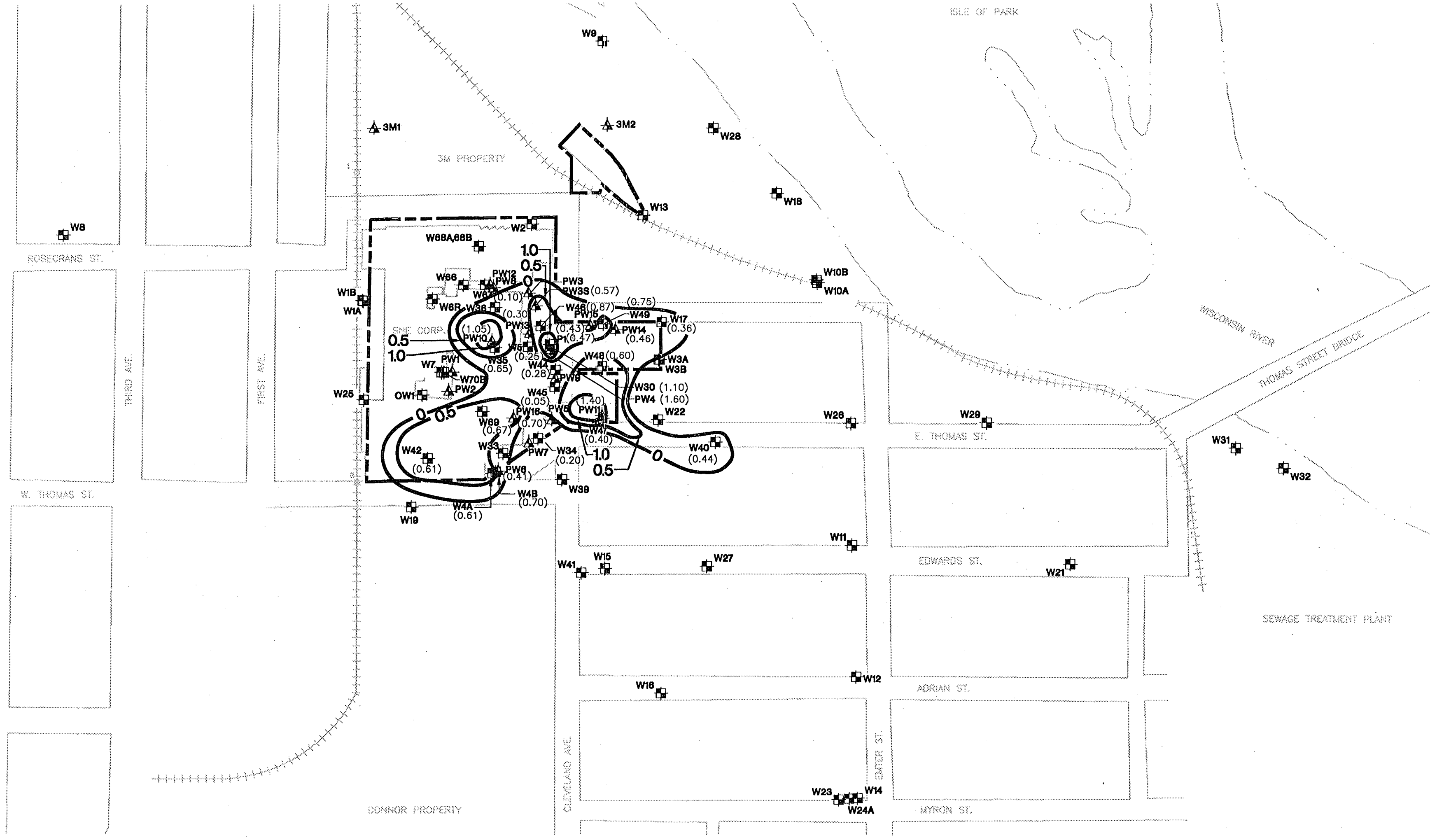
Approved By

Reference 4130020-B4

Revisions

Drawn By DLF

Date 12.8.97



LEGEND

W5 (0.25) MONITORING WELL LOCATION, NUMBER AND PRODUCT THICKNESS

PW6 (0.41) EXTRACTION WELL LOCATION, NUMBER AND PRODUCT THICKNESS

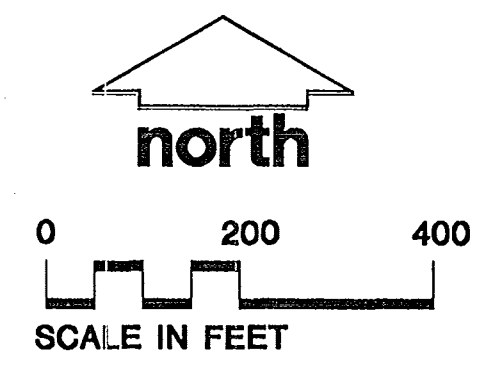
--- APPROXIMATE PROPERTY LINE

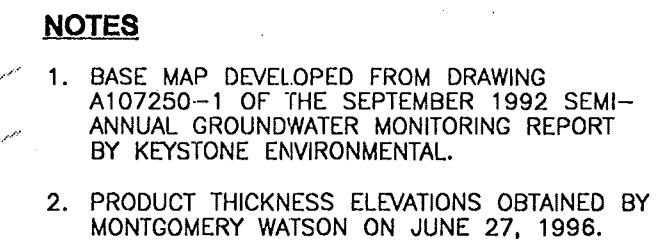
— 1.0 — APPARENT PRODUCT THICKNESS CONTOUR (CONTOUR INTERVAL: 0.5 FT)

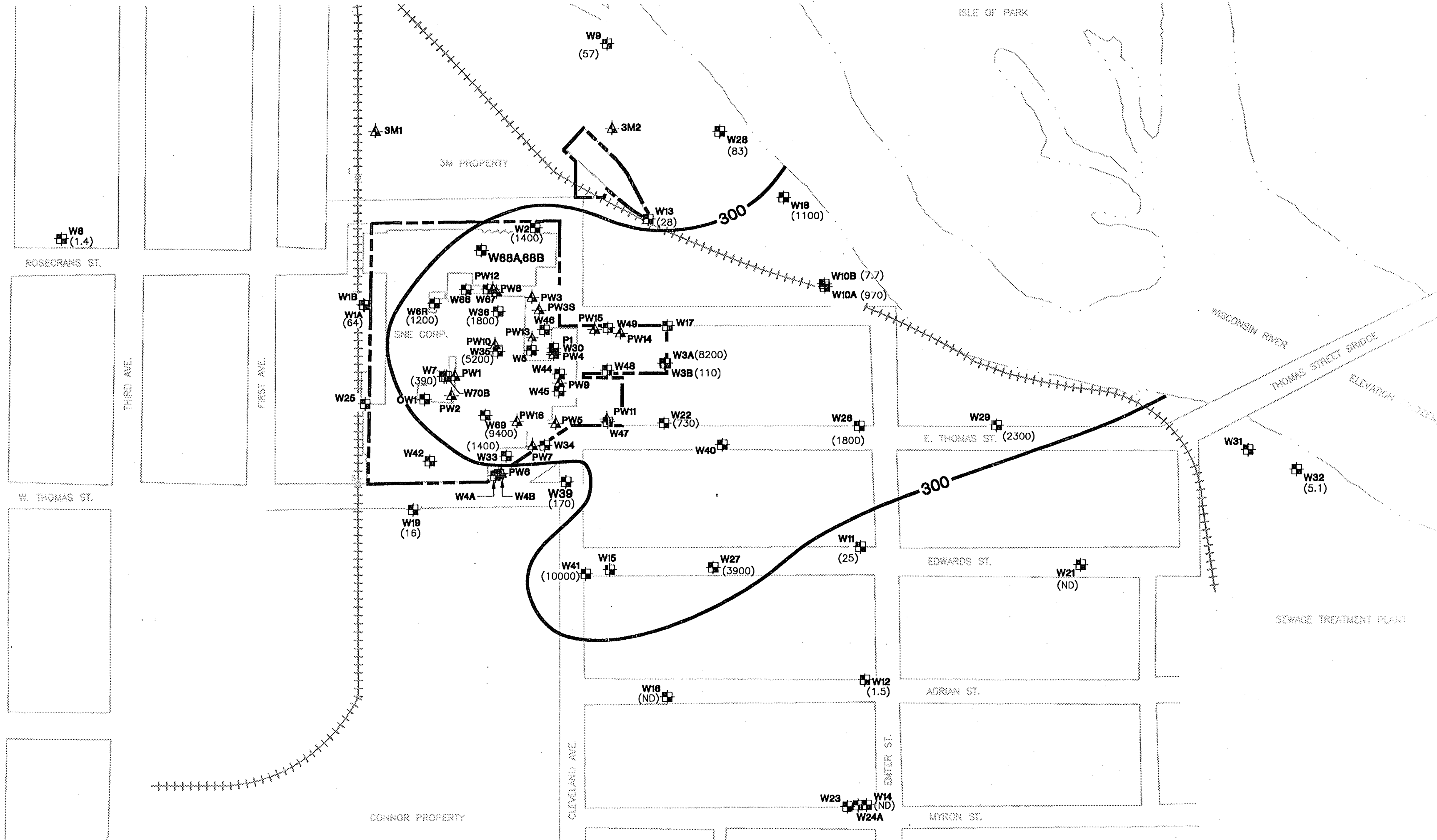
NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.

2. PRODUCT THICKNESS ELEVATIONS OBTAINED BY MONTGOMERY WATSON ON DECEMBER 29, 1995.





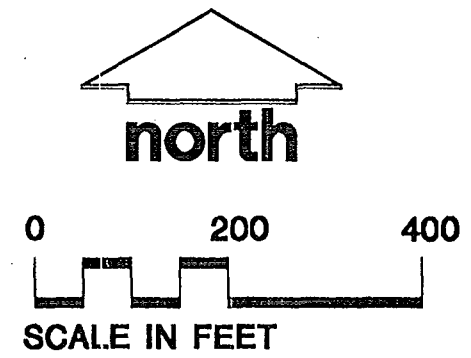


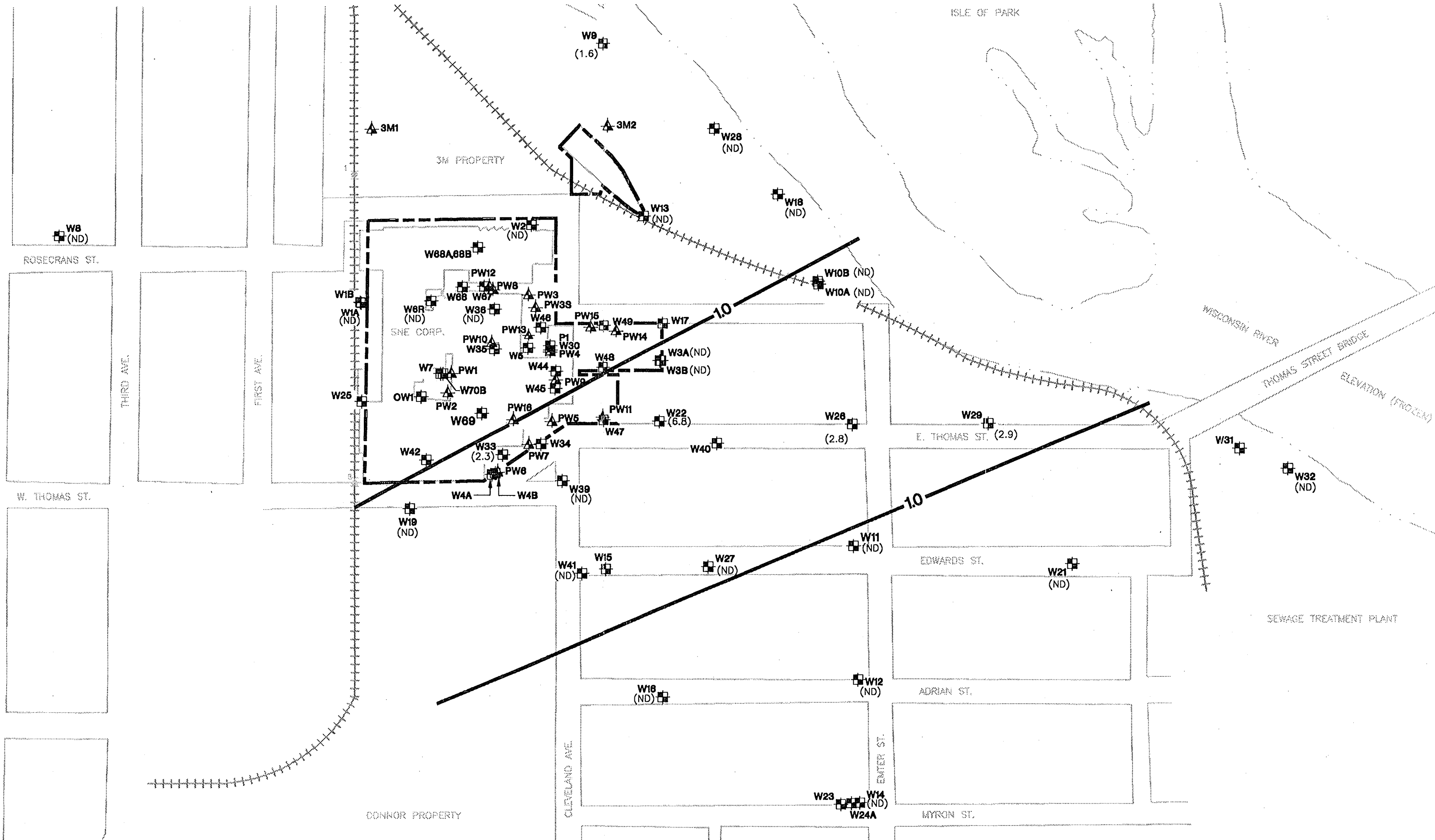
LEGEND

- W8 (1.4) MONITORING WELL LOCATION, NUMBER AND PCP CONCENTRATION
- PW6 EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 300- PCP ISOCONCENTRATION CONTOUR (ug/L)

NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1996.
3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.



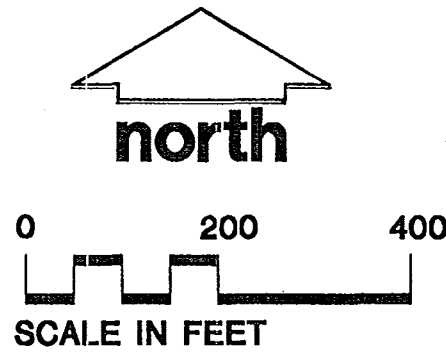


LEGEND

- W9 (1.6)** MONITORING WELL LOCATION, NUMBER AND BENZENE CONCENTRATION
- PW5** EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 1.0** BENZENE ISOCONCENTRATION CONTOUR (ug/L)

NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1996.
3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.
4. ELEVATED DETECTION LIMIT FOR BENZENE AT WELLS W2 (<10 ug/L), W3A (<100 ug/L), W10A (<10 ug/L), W19 (<5 ug/L), W27 (<10 ug/L), W39 (<100 ug/L), AND W41 (<10 ug/L).



BENZENE ISOCONCENTRATION MAP (JULY 1996)

ANNUAL GROUNDWATER MONITORING REPORT
WAULECO INC.
PART OF SECTION 35, T29N, R8E
WAUSAU, WISCONSIN

Drawing Number
4113.0041 B8

**MONTGOMERY
WATSON**

Developed By NDD

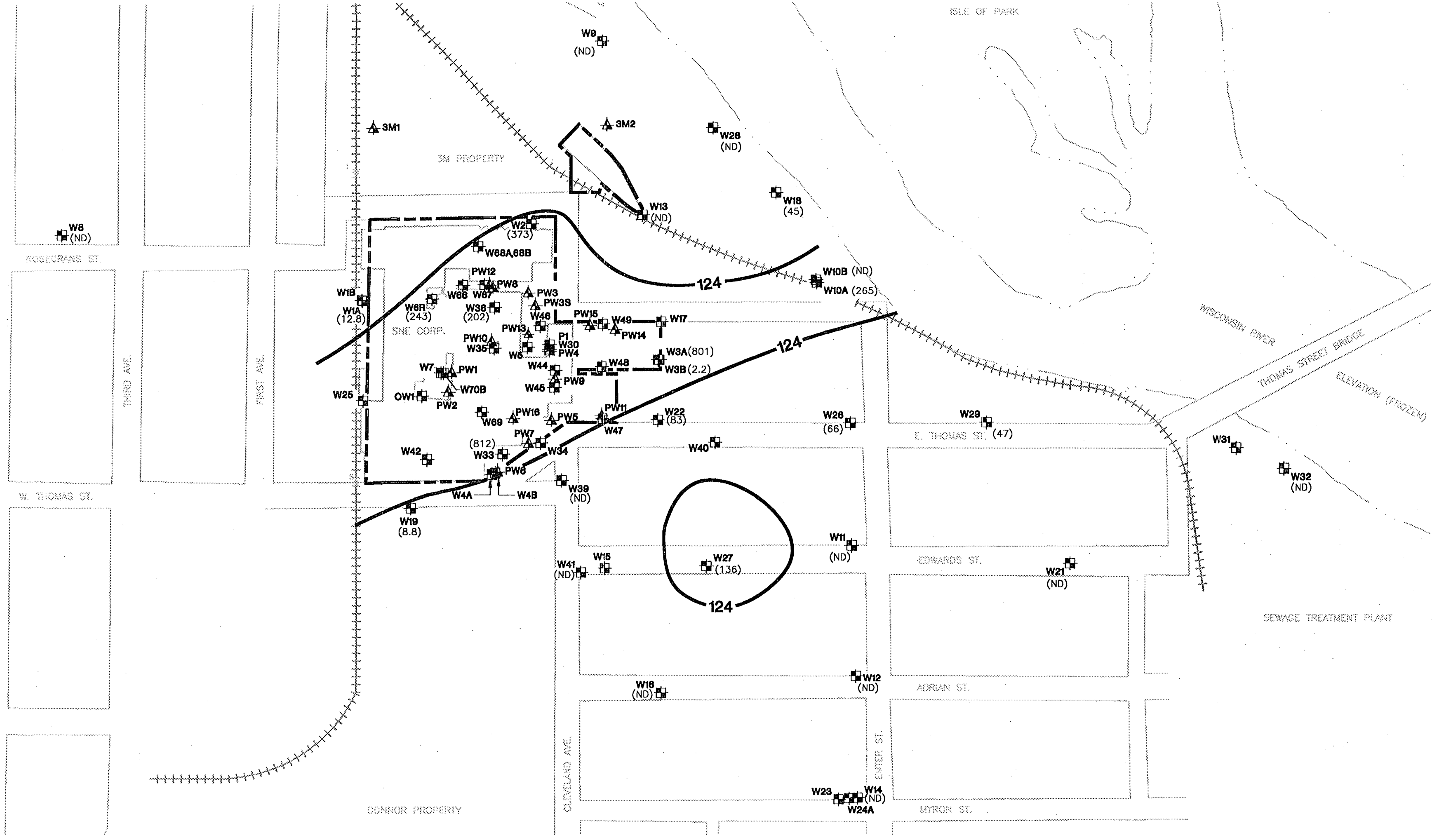
Drawn By LCL

Approved By

Date 12-8-97

Reference 4113.0041-B1 AND 4113.0020-B8

Revisions



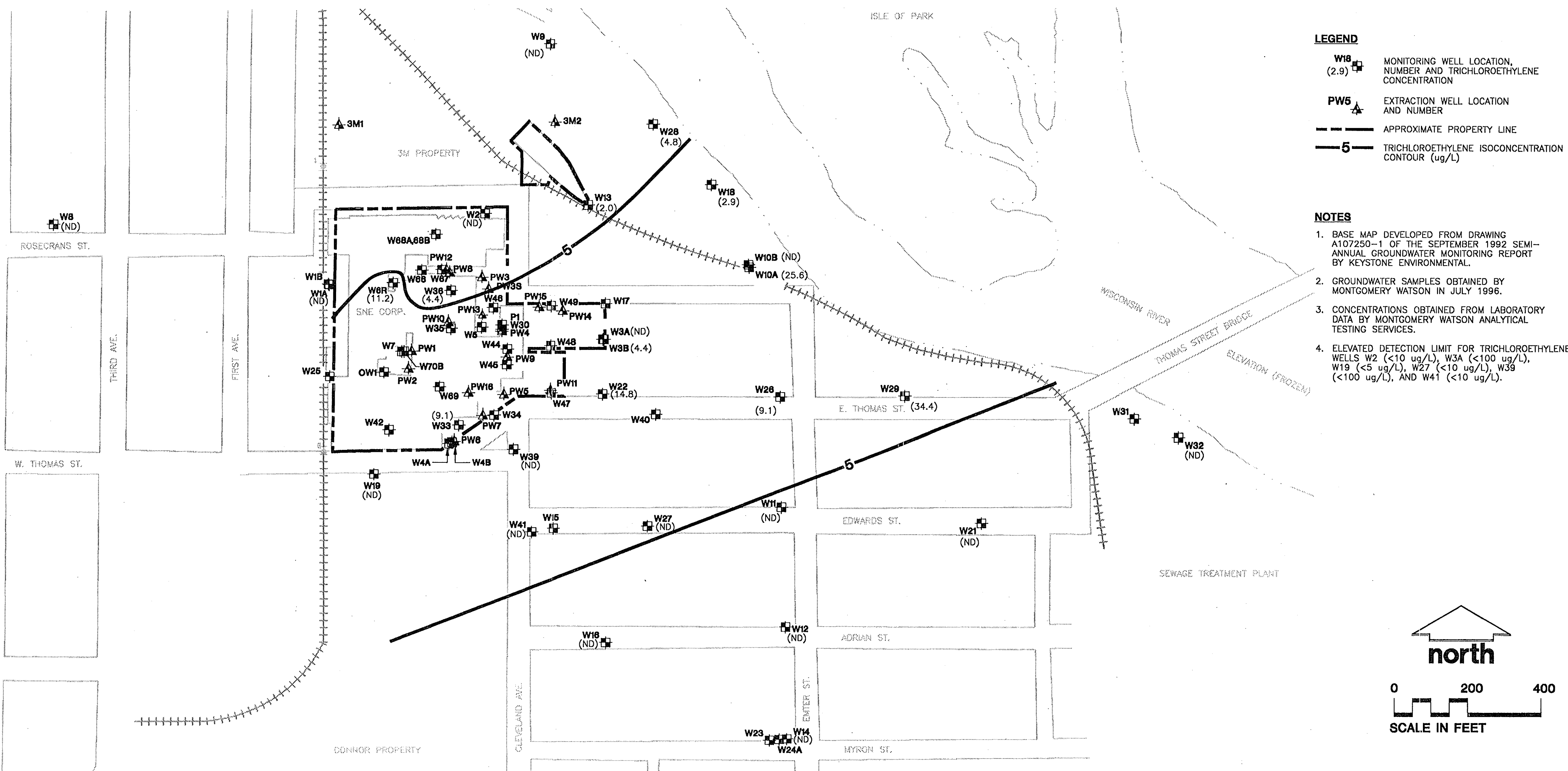
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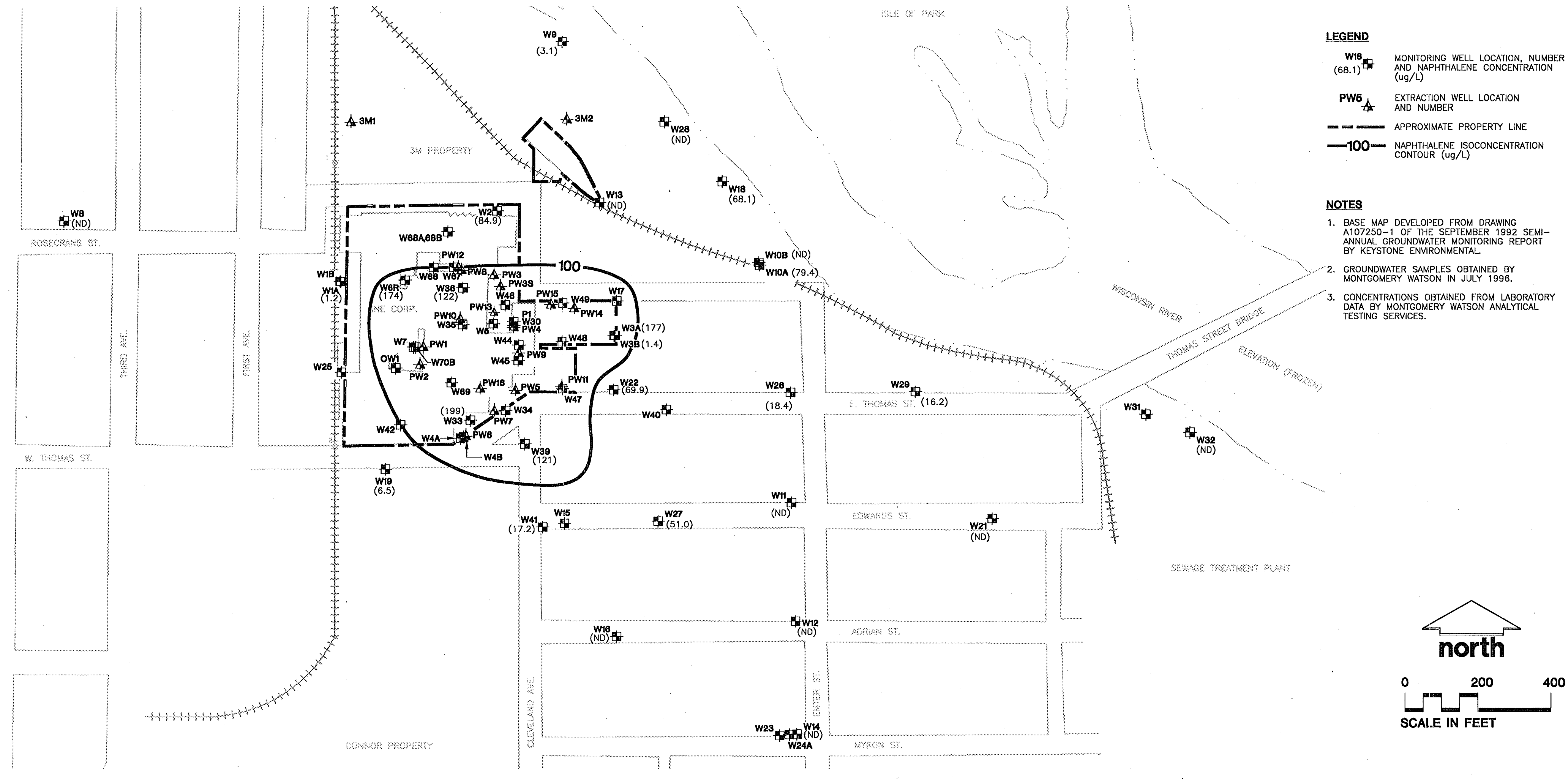
- W18 (45)** MONITORING WELL LOCATION, NUMBER AND XYLENE CONCENTRATION
- PW5** EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 124** XYLENES ISOCONCENTRATION CONTOUR (ug/L)

NOTES

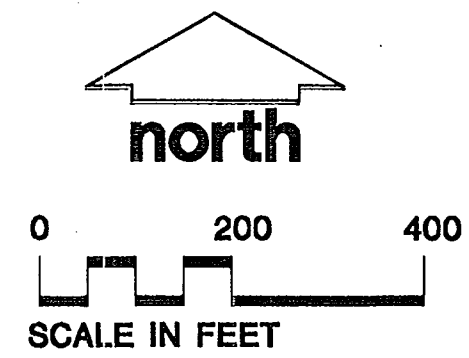
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1996.
3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.

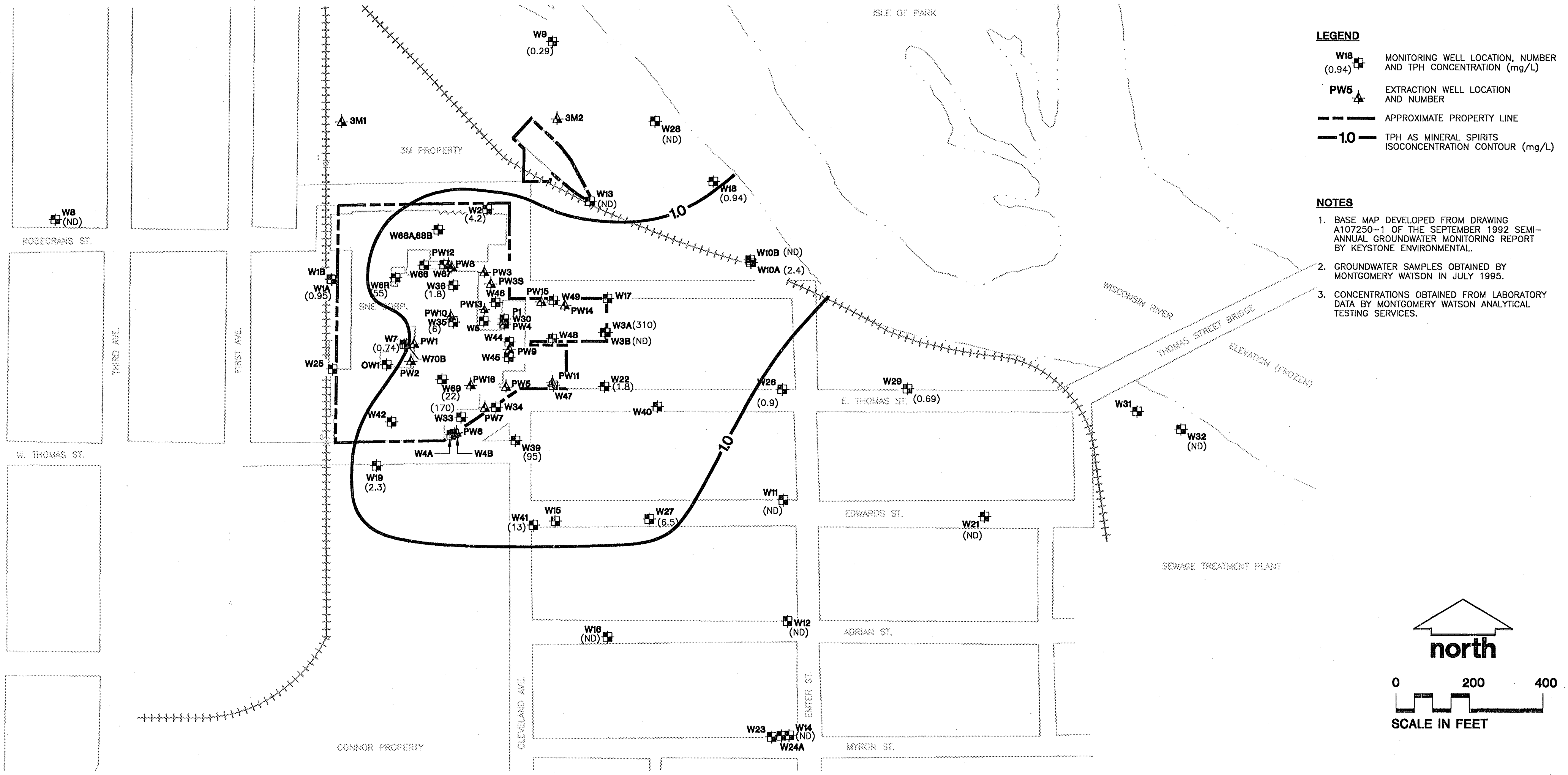




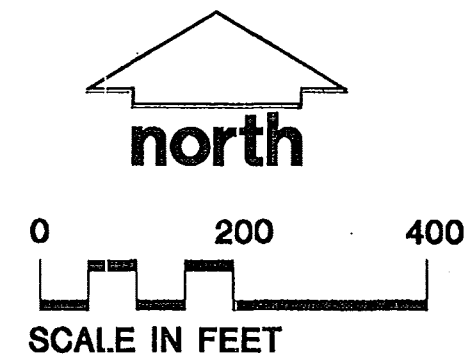


- LEGEND**
- W18 (68.1) MONITORING WELL LOCATION, NUMBER AND NAPHTHALENE CONCENTRATION (ug/L)
 - PW5 EXTRACTION WELL LOCATION AND NUMBER
 - APPROXIMATE PROPERTY LINE
 - 100 NAPHTHALENE ISOCONCENTRATION CONTOUR (ug/L)
- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
 2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1996.
 3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.





- LEGEND**
- W18 (0.94) MONITORING WELL LOCATION, NUMBER AND TPH CONCENTRATION (mg/L)
 - PW5 EXTRACTION WELL LOCATION AND NUMBER
 - APPROXIMATE PROPERTY LINE
 - 1.0 TPH AS MINERAL SPIRITS ISOCONCENTRATION CONTOUR (mg/L)
- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
 2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1995.
 3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.



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QUALITY CONTROL

Graphic Standards DLF
Lead Professional

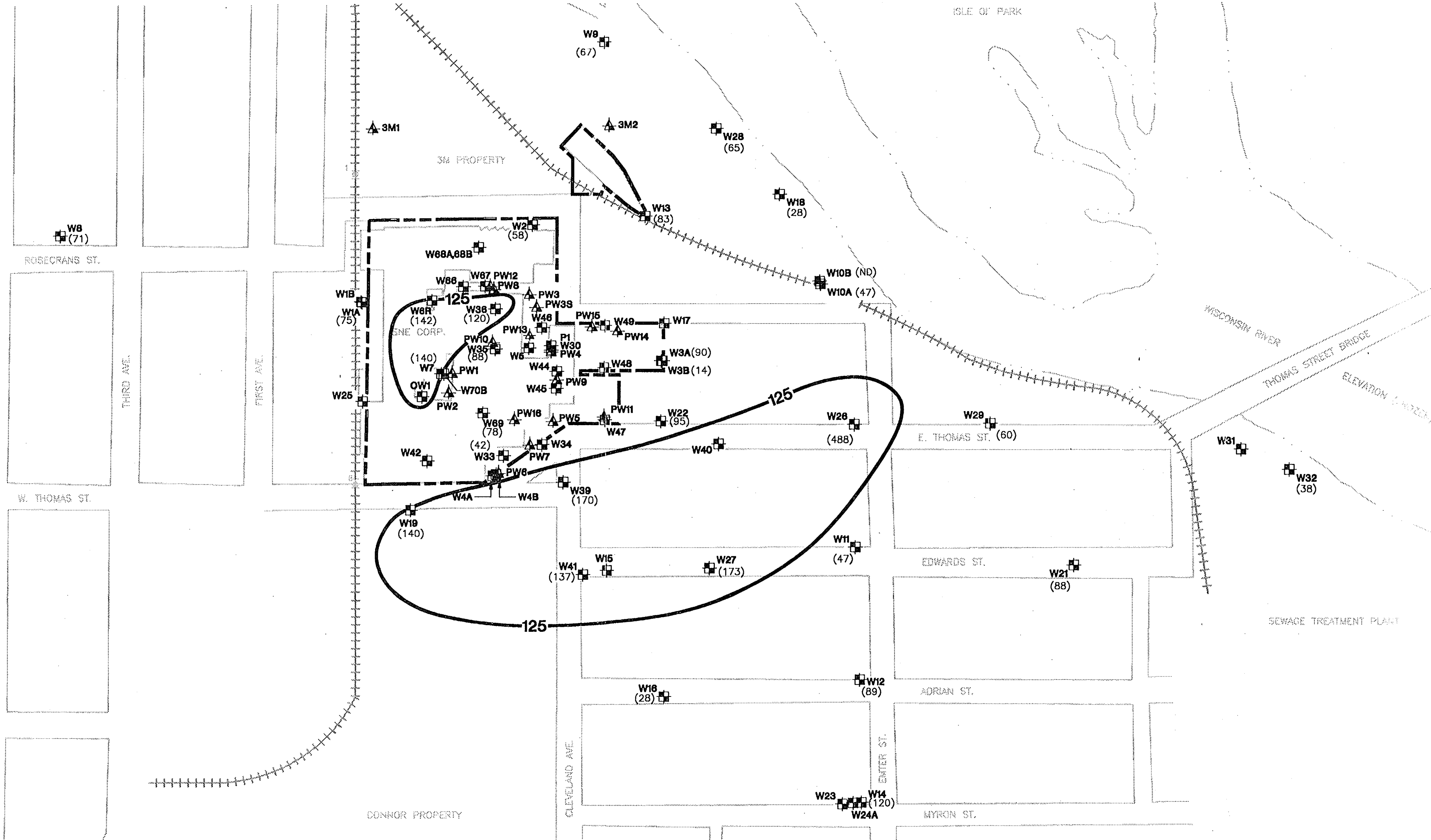
12-11-96

Technical Review
PM Review

JDD

12-20-96

Management Review
Other

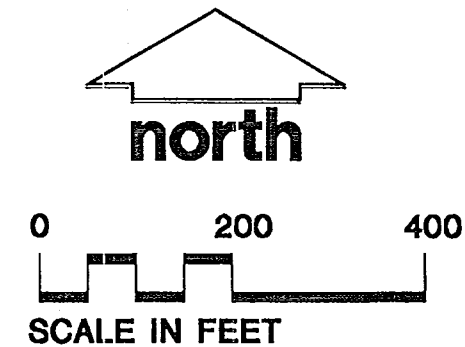


LEGEND

- W8 (71) MONITORING WELL LOCATION, NUMBER AND CHLORIDE CONCENTRATION (mg/L)
- PW5 EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 125- CHLORIDE ISOCONCENTRATION CONTOUR (mg/L)

NOTES

1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1996.
3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY MONTGOMERY WATSON ANALYTICAL TESTING SERVICES.



CHLORIDE ISOCONCENTRATION MAP (JULY 1996)

ANNUAL GROUNDWATER MONITORING REPORT
WAULECO INC.
PART OF SECTION 35, T29N, R8E
WAUSAU, WISCONSIN

Drawing Number
4113.0041B13

MONTGOMERY
WATSON



Developed By JDD

Approved By [Signature]

Date 12-8-97

Reference 4113.0041-B1 AND 4113.0020-B13

Revisions

Drawn By LCL

A

ANALYTICAL RESULTS

A1	Indicators
A2	Phenolics
A3	Volatiles
A4	Dioxin/Furans

A1

INDICATORS

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W01A

Parameter	Units	<u>02/19/92</u>	<u>06/14/92</u>	<u>09/17/92</u>	<u>12/18/92</u>	<u>03/23/93</u>	<u>06/28/93</u>	<u>12/28/93</u>	<u>04/25/94</u>	<u>06/21/94</u>	<u>10/04/94</u>	<u>01/05/95</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
solene	mg/L											
rosene	mg/L											
neral Spirits	mg/L											
PH	ug/L	ND	ND	ND	11000	2500	2800	ND		6000		
loride	mg/L	107	85.2	89.8	62.5	83	77	92	117	96	93	103
trogen, Ammonia	mg/L			ND	ND	0.24	0.11	ND	0.27	0.15	0.24	0.37
trogen, Nitrate	mg/L	3.32	2.94	1.97	2.58							
trogen, Nitrate + Nitrite	mg/L					2.22	2.18	2.86	1.36	1.62	2.3	1.69
[	SU						ND					
osphorus, Phosphate	mg/L			1.86								
dium	mg/L			43000	33000	36600						
mperature	deg. C			15	7		13	11.5	12	13.5		
ld Conductivity @ 25 Deg C	umhos/cm			370	270	500	420	440	595	539		
ld pH	SU			6.12	6.16	6.36	5.94	6.6	5.78	6.25		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

mpleid:W01A

<u>Parameter</u>	<u>Units</u>	<u>03/10/95</u>	<u>07/05/95</u>	<u>09/13/95</u>	<u>12/18/95</u>	<u>03/21/96</u>	<u>07/10/96</u>
Fuel Oil	mg/L		ND				ND
Fuel Oil	mg/L						ND
solene	mg/L		ND				ND
rosene	mg/L		ND				ND
neral Spirits	mg/L		0.38				0.95
PH	ug/L						
loride	mg/L	115	136	80	147	134	75
rogen, Ammonia	mg/L	0.23	0.17	0.36	0.2	0.4	0.16
rogen, Nitrate	mg/L						
rogen, Nitrate + Nitrite	mg/L	2.2	2.77	1.61	2.61	2.7	2.22
	SU						
osphorus, Phosphate	mg/L						
dium	mg/L						
mperature	deg. C		13				
ld Conductivity @ 25 Deg C	umhos/cm		660				
ld pH	SU		6				

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

mpleid:W02

Parameter	Units	<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/2/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	mg/L	ND	ND	ND			ND	ND	ND		ND	ND
senic, Total	mg/L	44.6										
rium	mg/L	ND	ND	ND			ND	ND	ND		ND	ND
rium, Total	mg/L	1538										
rbon, Total Organic	mg/L	7.01	6.62	3.9	1.66	3.49	3.68	7.44	12	4.37	10.5	50.4
loride	mg/L					125	119	133	122	128	144	103
romium	mg/L	ND	ND	ND			ND	ND	ND		ND	ND
romium, Total	mg/L	371										
ld Conductivity @ 25 Deg C	mg/L	365	460	480	480	549	632	595	439	435	460	450
ld pH	mg/L	6.2	5.6	7	6.6	4.9	6.4	6.6	6	6.1	6.2	6.3
soline	mg/L											
n	mg/L	ND	140									
rosene	mg/L											
neral Spirits	mg/L											
rogen, Ammonia	mg/L											
rogen, Nitrate	mg/L	2.94	2.73	3.56	3.56	3.16	3.73	1.47	0.99	1.94	0.71	0.78
rogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	ND	ND	ND	14.7	ND	8.53	9.39	6.45	19.3	7.76
osphorus, Phosphate	mg/L											
dium	mg/L											
lids, Total Dissolved	mg/L	436	491	421	347	457	441	585	419	437	373	1720
lids, Total Suspended	mg/L	3848	9260	11100	1480	1590	1900	2040	352	629	2660	1200
lfate	mg/L	30.2	29.9	20.5	38.5	32.4	27	37.9	28.8	ND	31	32.6
mperature	deg. C											
.PH	mg/L											
soline	mg/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W02

Parameter	Units	1/8/87	10/26/89	1/25/90	5/3/90	9/20/90	12/11/90	1/30/91	5/1/91	10/8/91	2/20/92	6/14/92
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
senic, Total	mg/L	44.6										
rium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
rium, Total	mg/L	1538										
rbon, Total Organic	mg/L	7.01	4.91	13.3	10.6	7.24	11.9	14.2	23.9	14		
loride	mg/L		127	95.4	129	132	97.5	95.8	107	117	119	128
romium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
romium, Total	mg/L	371										
ld Conductivity @ 25 Deg C	mg/L	365	463	350	500	465	419	320	428	490		
ld pH	mg/L	6.2	5.9	6.2	6.2	6.2	6.3	6.3	5.9	5.7		
isoline	mg/L											
n	mg/L	ND										
rosene	mg/L											
neral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	2.94	1.05	0.3	0.61	0.66	1.83	4.71	4.13	ND	ND	0.054
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	ND	11.4	ND	9.21	ND	11.6	20	12.7		
osphorus, Phosphate	mg/L											
dium	mg/L											
ids, Total Dissolved	mg/L	436	473	331	462	428	403	364	477	450		
ids, Total Suspended	mg/L	3848	1380	1190	808	1320	1900	936	894	1460		
lfate	mg/L	30.2	35.8	31.7	10.6	29.4	33.6	35.9	32.5	29.8		
mperature	deg. C											
PH	mg/L										1110	ND
isoline	mg/L				ND				ND			

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W02

Parameter	Units	1/8/87	9/17/92	12/18/92	3/24/93	4/25/94	6/22/94	10/4/94	1/5/95	3/10/95	7/6/95	9/13/95
Fuel Oil	mg/L										ND	
Fuel Oil	mg/L											
senic	mg/L	ND										
senic, Total	mg/L	44.6										
rium	mg/L	ND										
rium, Total	mg/L	1538										
rbon, Total Organic	mg/L	7.01										
loride	mg/L		158	182	239	151	146	117	120	117	113	114
romium	mg/L	ND										
romium, Total	mg/L	371										
eld Conductivity @ 25 Deg C	mg/L	365	650	610	985	800	729				650	
eld pH	mg/L	6.2	5.91	6.3	6.09	5.53	5.74				6.3	
isoline	mg/L										ND	
m	mg/L	ND										
rosene	mg/L										ND	
ineral Spirits	mg/L										8.8	
trogen, Ammonia	mg/L		ND	ND	0.17	0.17	ND	0.16	ND	0.13	0.41	0.13
trogen, Nitrate	mg/L	2.94	0.023	0.093								
trogen, Nitrate + Nitrite	mg/L				0.55	0.18	1.46	0.13	1.11	1.34	0.79	0.66
l and Grease	mg/L	ND										
osphorus, Phosphate	mg/L		2.52									
dium	mg/L		65800	68300	88600							
lids, Total Dissolved	mg/L	436										
lids, Total Suspended	mg/L	3848										
lfate	mg/L	30.2										
mperature	deg. C		19	6		12.5	23				13.5	
PH	mg/L		ND	35000	3500		5500					
isoline	mg/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W02

Parameter	Units	1/8/87	12/18/95	3/21/96	7/10/96
Fuel Oil	mg/L				ND
Fuel Oil	mg/L				ND
Mercuric	mg/L	ND			
Mercuric, Total	mg/L	44.6			
Mercury	mg/L	ND			
Mercury, Total	mg/L	1538			
Carbon, Total Organic	mg/L	7.01			
Chloride	mg/L		97	89	58
Chromium	mg/L	ND			
Chromium, Total	mg/L	371			
Field Conductivity @ 25 Deg C	mg/L	365			
Field pH	mg/L	6.2			
Isoline	mg/L				ND
Iron	mg/L	ND			
Isosene	mg/L				ND
Mineral Spirits	mg/L				4.2
Nitrogen, Ammonia	mg/L		0.14	0.13	0.13
Nitrogen, Nitrate	mg/L	2.94			
Nitrogen, Nitrate + Nitrite	mg/L		0.69	0.74	1.2
Oil and Grease	mg/L	ND			
Phosphorus, Phosphate	mg/L				
Sulfur	mg/L				
Solids, Total Dissolved	mg/L	436			
Solids, Total Suspended	mg/L	3848			
Total Solids	mg/L	30.2			
Temperature	deg. C				
Turbidity	mg/L				
Isoline	mg/L				

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W03A

Parameter	Units	<u>2/25/92</u>	<u>6/17/92</u>	<u>9/17/92</u>	<u>12/18/92</u>	<u>3/24/93</u>	<u>6/30/93</u>	<u>12/28/93</u>	<u>4/25/94</u>	<u>6/22/94</u>	<u>10/4/94</u>	<u>1/5/95</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L		ND	ND								
loride	mg/L	95.2	90.2	84.2	105	114	100	110	88	70	62	64
ld Conductivity @ 25 Deg C	umhos/cm			468	460	685	620	685	671	658		
ld pH	SU			6.28	6.2	6.05	5.84	7.3	5.64	5.77		
soline	mg/L											
rosene	mg/L											
neral Spirits	mg/L											
trogen, Ammonia	mg/L				ND	0.36	0.33	ND	0.19	0.31	0.12	ND
trogen, Nitrate	mg/L	ND	ND	ND	0.182							
trogen, Nitrate + Nitrite	mg/L					0.22	8.73	0.67	ND	0.33	0.11	0.05
[	SU						ND					
osphorus, Phosphate	mg/L			2.76								
dium	ug/L			37000	42600	42500						
mperature	Deg. C			12	6		13	11.5	13	13		
PH	ug/L	6000	ND	1600	114000	37000	49000	200000		220000		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W03A

Parameter	Units	<u>3/9/95</u>	<u>7/6/95</u>	<u>9/13/95</u>	<u>12/18/95</u>	<u>3/21/96</u>	<u>7/10/96</u>
Fuel Oil	mg/L		ND				ND
Fuel Oil	mg/L						ND
benzene	ug/L						
chloride	mg/L	77	64	104	111	86	90
Dissolved Conductivity @ 25 Deg C	umhos/cm		645				
Dissolved pH	SU		6.2				
hexachlorobenzene	mg/L		ND				ND
hexachlorocyclopentadiene	mg/L		ND				ND
hexachlorobenzene	mg/L		190				310
nitrogen, Ammonia	mg/L	0.19	0.76	ND	ND	ND	ND
nitrogen, Nitrate	mg/L						
nitrogen, Nitrate + Nitrite	mg/L	0.05	0.1	ND	0.95	0.5	1
nitrite	SU						
phosphorus, Phosphate	mg/L						
silicon	ug/L						
temperature	Deg. C		11.5				
total phosphorus	ug/L						

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W03B

Parameter	Units	<u>6/17/91</u>	<u>2/22/92</u>	<u>9/17/92</u>	<u>12/18/92</u>	<u>3/23/93</u>	<u>6/29/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/10/96</u>	<u>7/11/97</u>
Fuel Oil	mg/L									ND	ND	
Fuel Oil	mg/L										ND	
Mercuric	ug/L	ND										
Chloride	mg/L	18	16.5	12.2	13.4	14	18	14	15	14	14	14
Hardness Conductivity @ 25 Deg C	umhos/cm			140	122	185	225	180	192	175		
Hardness pH	SU			7.48	6.96	7.25	6.7	6.75	7.02	6.18		
Chlorine	mg/L									ND	ND	
Benzene	mg/L									ND	ND	
Mineral Spirits	mg/L									ND	ND	ND
Nitrogen, Ammonia	mg/L			ND	ND	ND	0.33	ND	ND	0.2	ND	ND
Nitrogen, Nitrate	mg/L	4.2	4.62	4.59	3.58							
Nitrogen, Nitrate + Nitrite	mg/L					3.75	3.47	3.88	4.23	3.66	3.96	3.93
Hardness	SU						ND					
Phosphorus, Phosphate	mg/L	0.159		0.14								
Sulfur	ug/L			ND	5970	4900						
Temperature	Deg. C			12	6		13	11.5	14	12		
Hardness PH	ug/L	6000	1000	1100	3000	ND	ND	ND	ND			

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W03B

Parameter	Units	<u>6/17/91</u>	<u>2/22/92</u>	<u>9/17/92</u>	<u>12/18/92</u>	<u>3/23/93</u>	<u>6/29/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/10/96</u>
Fuel Oil	mg/L									ND	ND
Fuel Oil	mg/L										ND
Benzenic	ug/L	ND									
Chloride	mg/L	18	16.5	12.2	13.4	14	18	14	15	14	14
Field Conductivity @ 25 Deg C	umhos/cm			140	122	185	225	180	192	175	
Field pH	SU			7.48	6.96	7.25	6.7	6.75	7.02	6.18	
Gasoline	mg/L									ND	ND
Gasoline	mg/L									ND	ND
Mineral Spirits	mg/L									ND	ND
Nitrogen, Ammonia	mg/L			ND	ND	ND	0.33	ND	ND	0.2	ND
Nitrogen, Nitrate	mg/L	4.2	4.62	4.59	3.58						
Nitrogen, Nitrate + Nitrite	mg/L					3.75	3.47	3.88	4.23	3.66	3.96
Iron	SU						ND				
Phosphorus, Phosphate	mg/L	0.159		0.14							
Sulfur	ug/L			ND	5970	4900					
Temperature	Deg. C			12	6		13	11.5	14	12	
Turbidity	ug/L	6000	1000	1100	3000	ND	ND	ND	ND		

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

Sample ID: W06

<u>Parameter</u>	<u>Units</u>	<u>2/20/92</u>	<u>9/17/92</u>
Chloride	mg/L	138	235
Dissolved Conductivity @ 25 Deg C	umhos/cm		920
Dissolved pH	SU		6.58
Ammonia, Nitrogen	mg/L		1.39
Nitrate, Nitrogen	mg/L	0.039	2.31
Phosphorus, Phosphate	mg/L		0.63
Sulfate	ug/L		117000
Temperature	Deg. C		15
Flow	ug/L	1020	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W06R

Parameter	Units	12/28/93	10/4/94	12/18/95	7/10/96
Fuel Oil	mg/L				ND
Fuel Oil	mg/L				ND
Chloride	mg/L	178	167	171	142
Field Conductivity @ 25 Deg C	umhos/cm	810			
Field pH	SU	5.75			
Isoline	mg/L				ND
Gasoline	mg/L				ND
Mineral Spirits	mg/L				55
Nitrogen, Ammonia	mg/L	0.7	0.11	0.25	0.21
Nitrogen, Nitrate + Nitrite	mg/L	0.67	0.22	1.34	1.06
Temperature	Deg. C	11.5			
Turbidity	ug/L	48000			

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W08

Parameter	Units	<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/3/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											
Asenic	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Barium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Barium, Total	ug/L	765										
Boron	ug/L											
Boron, Total Organic	mg/L	6.28	2.74	2.9	3.52	2.44	4.7	3.3	3.59	1.93	2.82	50.4
Bromide	mg/L	33	28.1	24	17.2	25.7	25.5	18.2	23	21.5	19	20.8
Bromine	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Bromine, Total	ug/L	96										
Field Conductivity @ 25 Deg C	umhos/cm	145	212	175	165	210	238	165	136	160	140	178
Field pH	SU	6.5	5.5	6.3	6.7	6.2	6.6	6.8	6.1	6.5	6.5	6.5
Isoline	mg/L											
Iron	ug/L	250	130									
Isosene	mg/L											
Lead	ug/L											
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	ND	2.18	0.99	0.54	0.73	1.1	0.49	0.57	0.51	0.63	1.01
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	ND	ND	18.5	ND	ND	7.38	ND	9.22	ND	8.77	ND
Phosphorus	SU											
Phosphorus, Phosphate	mg/L											
Potassium	ug/L											
Sodium	ug/L											
Sulfate	mg/L	22.7	ND	26	30.1	20.7	31.5	79.1	13	ND	20.7	25.5
Temperature	mg/L											
Turbidity	ug/L											

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W08

Parameter	Units	1/8/87	10/26/89	1/25/90	5/3/90	9/20/90	12/11/90	1/29/91	5/1/91	10/8/91	10/29/91	12/22/91
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L										79.4	54.5
Asenic	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Barium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium, Total	ug/L	765										
Bismuth	ug/L										38600	25400
Carbon, Total Organic	mg/L	6.28	3.06	2.99	2.58	2.69	5.52	4.12	5.96	2.94		
Chloride	mg/L	33	18	16.4	16	19.5	17.5	19.7	14.4	48.6	42.6	31.7
Cromium	ug/L	ND	ND		ND	ND	ND	ND	ND	ND		
Cromium, Total	ug/L	96										
Field Conductivity @ 25 Deg C	umhos/cm	145	150	118	165	165	140	120	112	290		
Field pH	SU	6.5	6.3	6.5	6.5	6.8	6.8	6.4	6.4	6.3		
Fluoride	mg/L											
Iron	ug/L	250										
Gasoline	mg/L											
Magnesium	ug/L										10500	6970
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	ND	0.59	0.5	0.35	0.3	0.58	0.74	0.58	0.86		
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Phosphorus	SU											
Phosphorus, Phosphate	mg/L											
Potassium	ug/L										ND	
Sodium	ug/L										13500	10800
Sulfate	mg/L	22.7	21.5	24.3	20.5	8.3	14.6	16.3	10.6	21.8	18	17.2
Temperature	mg/L											
Turbidity	ug/L											

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W08

Parameter	Units	<u>1/8/87</u>	<u>2/20/92</u>	<u>6/14/92</u>	<u>9/17/92</u>	<u>12/19/92</u>	<u>3/23/93</u>	<u>6/28/93</u>	<u>12/27/93</u>	<u>4/25/94</u>	<u>6/21/94</u>	<u>10/4/94</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											
Asenic	ug/L	ND										
Barium	ug/L	ND										
Barium, Total	ug/L	765										
Boron	ug/L											
Boron, Total Organic	mg/L	6.28										
Bromide	mg/L	33	33.7	73	58	59.8	60	66	62	74	72	56
Bromine	ug/L	ND										
Bromine, Total	ug/L	96										
Hardness Conductivity @ 25 Deg C	umhos/cm	145			280	260	390	410	410	397	362	
Hard pH	SU	6.5			6.69	6.44	6.32	6.09	7.1	5.72	6.08	
Iron	mg/L											
Iron	ug/L	250										
Isopropylene	mg/L											
Magnesium	ug/L											
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L				ND	ND	0.2	0.18	ND	0.1	ND	ND
Nitrogen, Nitrate	mg/L	ND	2.87	2.66	2.98	2.38						
Nitrogen, Nitrate + Nitrite	mg/L						5.06	1.85	2.58	2.72	2.41	0.44
Oil and Grease	mg/L	ND										
Oil	SU							ND				
Phosphorus, Phosphate	mg/L				1.53							
Potassium	ug/L											
Sodium	ug/L				15700	16000	15300					
Sulfate	mg/L	22.7										
Temperature	mg/L					6		11.5	11.5	11.5	13	
Turbidity	ug/L			ND	ND	2000	ND	ND	ND		ND	

**Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin**

W08

Parameter	Units	1/8/87	1/5/95	3/9/95	7/6/95	9/13/95	12/18/95	3/20/96	7/8/96
Fuel Oil	mg/L				ND				ND
Fuel Oil	mg/L								ND
Alkalinity, Bicarbonate	mg/L								
Asenic	ug/L	ND							
Barium	ug/L	ND							
Barium, Total	ug/L	765							
Bromine	ug/L								
Carbon, Total Organic	mg/L	6.28							
Chloride	mg/L	33	60	82	76	73	61	59	71
Cadmium	ug/L	ND							
Cadmium, Total	ug/L	96							
Field Conductivity @ 25 Deg C	umhos/cm	145			420				
Field pH	SU	6.5			6.1				
Fluoride	mg/L				ND				ND
Iron	ug/L	250							
Lead	mg/L				ND				ND
Magnesium	ug/L								
Methyl Spirits	mg/L				ND				ND
Nitrogen, Ammonia	mg/L		ND	ND	0.13	ND	ND	0.12	ND
Nitrogen, Nitrate	mg/L	ND							
Nitrogen, Nitrate + Nitrite	mg/L		2.44	2.52	2.53	2.18	1.8	3.22	2.18
Oil and Grease	mg/L	ND							
Oil	SU								
Phosphorus, Phosphate	mg/L								
Potassium	ug/L								
Sodium	ug/L								
Sulfate	mg/L	22.7							
Temperature	mg/L				12				
Turbidity	ug/L								

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W09

Parameter	Units	6/4/87	9/3/87	12/3/87	3/2/88	4/7/88	8/10/88	11/15/88	1/26/89	4/27/89	7/27/89	10/26/89
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											
Alkalinity, Total	mg/L											
Asbestos	ug/L	ND	ND			ND	ND	ND		ND	ND	ND
Barium	ug/L	ND	ND			ND	ND	ND		ND	ND	ND
Boron	ug/L											
Boron, Total Organic	mg/L	19.4	7.47	8.63	8.33	7.3	10.6	8.68	6.83	6.79	31.8	8.25
Bromide	mg/L	117	71.9	40	51.4	48	45.6	35	39.1	55	44.7	45.6
Bromine	ug/L	ND	ND			ND	ND	ND		ND	ND	ND
Hardness Conductivity @ 25 Deg C	mg/L	520	600	460	515	440	480	340	355	392	430	400
Hardness pH	SU	5.9	6.1	6.7	5.2	6.5	6.9	6.3	6.4	6.4	6.5	6.3
Iron	mg/L											
Iron	ug/L	3980										
Lead	mg/L											
Magnesium	ug/L											
Methyl Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	0.22	0.04	ND	0.08	0.13	0.02	0.05	0.03	0.09	0.12	0.2
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	8.15	11.2	ND	13.4	ND	9.35	ND	6.47	6.92	ND	ND
Phosphorus	SU											
Phosphorus, Phosphate	mg/L											
Potassium	ug/L											
Sodium	ug/L											
Solids, Total Dissolved	mg/L	455	381	312	336	272	163	1330	310	338	358	344
Solids, Total Suspended	mg/L	8790	860	407	1260	812	6430	128	294	987	962	960
Sulfate	mg/L	ND	ND	22	13.8	17.3	29.9	ND	ND	10.9	12.3	10
Temperature	Deg. C											
Turbidity	ug/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W09

Parameter	Units	6/4/87	1/25/90	5/3/90	9/20/90	12/11/90	1/29/91	5/1/91	10/8/91	10/29/91	12/22/91	6/18/92
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L									209	223	
Alkalinity, Total	mg/L									209	223	
Asenic	ug/L	ND	ND	ND	ND	ND	ND	ND	ND			
Barium	ug/L	ND	ND	ND	ND	ND	ND	257	ND	211	ND	
Bismuth	ug/L									67600	50000	
Carbon, Total Organic	mg/L	19.4	7.84	15.9	12.1	5.91	8.42	9.83	70.8			
Chloride	mg/L	117	58.8	71	32.5	98.4	153	144	142	172	118	82.6
Cadmium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND			
Field Conductivity @ 25 Deg C	mg/L	520	345	600	342	292	450	491	550			
Field pH	SU	5.9	6.3	6.2	6.5	6.5	6.1	6.5	6.2			
Fluoride	mg/L											
Iron	ug/L	3980										
Gasoline	mg/L											
Magnesium	ug/L									17600	13100	
Methyl Spirits	mg/L											
Nitrogen, Ammonia	mg/L											1.36
Nitrogen, Nitrate	mg/L	0.22	0.07	0.02	0.04	0.06	0.04	0.65	0.44			ND
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	8.15	ND	ND	ND	ND	ND	ND	ND			
Lead	SU											
Phosphorus, Phosphate	mg/L									1.25	2.69	2.99
Potassium	ug/L									ND	ND	
Sodium	ug/L									90300	83800	
Solids, Total Dissolved	mg/L	455	333	366	346	416	493	527	526			
Solids, Total Suspended	mg/L	8790	579	291	490	336	467	454	1260			
Sulfate	mg/L	ND	9	4.9	3.2	12.1	11.2	13.1	8.5	11.5	7.5	
Temperature	Deg. C											
Turbidity	ug/L											ND

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W09

Parameter	Units	6/4/87	12/17/92	6/28/93	12/28/93	6/22/94	7/5/95	7/9/96
Fuel Oil	mg/L						ND	ND
Fuel Oil	mg/L							ND
Alkalinity, Bicarbonate	mg/L							
Alkalinity, Total	mg/L							
Asenic	ug/L	ND						
Barium	ug/L	ND						
Bleach	ug/L							
Carbon, Total Organic	mg/L	19.4						
Chloride	mg/L	117	39.3	40	135	67	204	67
Cromium	ug/L	ND						
Field Conductivity @ 25 Deg C	mg/L	520	360	495	685	536	985	
Field pH	SU	5.9	6.28	6.25	6.15	5.97	6.12	
Isoline	mg/L						ND	ND
Iron	ug/L	3980						
Isosene	mg/L						ND	ND
Aluminum	ug/L							
Mineral Spirits	mg/L						ND	0.29
Nitrogen, Ammonia	mg/L		ND	0.27	0.83	0.58	0.91	0.4
Nitrogen, Nitrate	mg/L	0.22	0.063					
Nitrogen, Nitrate + Nitrite	mg/L			0.5	0.08	0.23	0.1	ND
Oil and Grease	mg/L	8.15						
Iron	SU			ND				
Phosphorus, Phosphate	mg/L							
Potassium	ug/L							
Sodium	ug/L		76400					
Solids, Total Dissolved	mg/L	455						
Solids, Total Suspended	mg/L	8790						
Sulfate	mg/L	ND						
Temperature	Deg. C		5	10.5	11.5	16	11.5	
Turbidity	ug/L		3000	ND	ND	ND		

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

W10A

		<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/3/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
senic, Total	ug/L	308										
rium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
rium, Total	ug/L	3841										
arbon, Total Organic	mg/L	16.2	16.9	7.62	7.21	11.2	10.9	15.2	15.2	13.9	12.3	68.4
loride	mg/L	68	74.4	46.9	5.07	64.7	59.2	58.8	66	51.8	48	57.6
romium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
romium, Total	ug/L	994										
eld Conductivity @ 25 Deg C	umhos/cm	289	361	310	330	429	426	395	320	285	310	368
eld pH	SU	6.4	5.8	6.1	6.6	6	6.3	6.8	6.3	6.3	6.4	6.3
isoline	mg/L											
on	ug/L	290	4330									
rosene	mg/L											
ineral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	ND	ND	ND	0.02	ND	0.13	ND	ND	ND	ND	ND
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	10.5	21.5	35.2	8.88	10.5	13.7	13.3	21.7	18.6	9.5	15.3
I	SU											
osphorus, Phosphate	mg/L											
odium	ug/L											
lids, Total Dissolved	mg/L	374	328	236	224	280	270	153	283	305	303	315
lids, Total Suspended	mg/L	5875	6360	7970	1100	2800	1900	5930	153	399	1720	2020
lfate	mg/L	30.4	31.2	24.4	38.2	27.6	26.2	34.8	ND	17	26.7	32.8
emperature	Deg. C											
PH	ug/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W10A

		<u>1/8/87</u>	<u>10/26/89</u>	<u>1/25/90</u>	<u>5/3/90</u>	<u>9/20/90</u>	<u>12/11/90</u>	<u>1/29/91</u>	<u>5/1/91</u>	<u>10/8/91</u>	<u>7/8/92</u>	<u>12/18/92</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
senic, Total	ug/L	308										
rium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
rium, Total	ug/L	3841										
rbon, Total Organic	mg/L	16.2	11.2	17.3	13.1	8.34	13.4	14.2	13.8	12.5		
loride	mg/L	68	57	65.6	55	96.8	66.1	69.1	68.3	77.4	124	67
romium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
romium, Total	ug/L	994										
ld Conductivity @ 25 Deg C	umhos/cm	289	337	291	355	420	335	300	302	390		320
ld pH	SU	6.4	6.3	6.3	6.4	6.3	6.5	6.1	6.1	6.1		6.05
soline	mg/L											
n	ug/L	290										
rosene	mg/L											
neral Spirits	mg/L											
trogen, Ammonia	mg/L										ND	ND
trogen, Nitrate	mg/L	ND	ND	ND	0.03	ND	ND	ND	0.03	0.41	0.22	0.096
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	10.5	19.3	15.4	19.3	13.7	ND	18	10.8	14.9		
[	SU											
osphorus, Phosphate	mg/L										2.74	
dium	ug/L											28000
lids, Total Dissolved	mg/L	374	332	288	257	367	292	283	286	361		
lids, Total Suspended	mg/L	5875	1150	1740	214	804	684	863	1170			
lfate	mg/L	30.4	37.4	36.4	27.9	23.3	30.9	26.1	23.6	25.7		
mperature	Deg. C											6
PH	ug/L										ND	1000

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W10A

		<u>1/8/87</u>	<u>6/30/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/9/96</u>
Fuel Oil	mg/L					ND	ND
Fuel Oil	mg/L						ND
Mercuric	ug/L	ND					
Mercuric, Total	ug/L	308					
Mercury	ug/L	ND					
Mercury, Total	ug/L	3841					
Carbon, Total Organic	mg/L	16.2					
Chloride	mg/L	68	53	58	45	49	47
Chromium	ug/L	ND					
Chromium, Total	ug/L	994					
Field Conductivity @ 25 Deg C	umhos/cm	289	395	410	415	440	
Field pH	SU	6.4	5.99	6.35	5.91	6.26	
Fluoride	mg/L					ND	ND
Iron	ug/L	290					
Isosene	mg/L					ND	ND
Methyl Spirits	mg/L					2.8	2.4
Nitrogen, Ammonia	mg/L		0.16	ND	0.13	0.38	ND
Nitrogen, Nitrate	mg/L	ND					
Nitrogen, Nitrate + Nitrite	mg/L		ND	0.02	0.03	ND	ND
Oil and Grease	mg/L	10.5					
Oil	SU		ND				
Phosphorus, Phosphate	mg/L						
Sulfur	ug/L						
Solids, Total Dissolved	mg/L	374					
Solids, Total Suspended	mg/L	5875					
Sulfate	mg/L	30.4					
Temperature	Deg. C		12.9	11.5	13.5	11.5	
Turbidity	ug/L		1200	ND	1400		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W10B

		<u>7/8/92</u>	<u>12/18/92</u>	<u>6/29/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/9/96</u>
Fuel Oil	mg/L						ND	ND
Fuel Oil	mg/L							ND
loride	mg/L	37	3.57	3	ND	ND	ND	ND
ld Conductivity @ 25 Deg C	umhos/cm		100	180	180	158	150	
ld pH	SU		6.91	7.18	7.5	6.58	6.92	
soline	mg/L						ND	ND
rosene	mg/L						ND	ND
neral Spirits	mg/L						ND	ND
rogen, Ammonia	mg/L	ND	ND	ND	ND	0.16	0.3	ND
rogen, Nitrate	mg/L	0.191	0.427					
rogen, Nitrate + Nitrite	mg/L			0.37	0.36	0.42	0.33	0.43
	SU			ND				
osphorus, Phosphate	mg/L	0.279						
dium	ug/L	6680	6680					
mperature	Deg. C		7	14.1	11.5	13	11.5	
PH	ug/L	ND	600	ND	ND	ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W11

Parameter	Units	<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/3/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
senic, Total	ug/L	97.4										
rium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
rium, Total	ug/L	1873										
arbon, Total Organic	mg/L	7.62	4.19	5.23	2.45	4.55	4.04	3.87	2.54	4.27	12.3	18.8
loride	mg/L	71.9	49.8	30.2	21.7	45.2	42.9	64.1	58	45.7	67	61.5
romium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
romium, Total	ug/L	275										
eld Conductivity @ 25 Deg C	umhos/cm	385	355	395	352	417	396	412	330	320	368	382
eld pH	SU	6.8	6.4	6.8	6.9	6.9	6.6	6.5	6.6	6.9	6.7	6.5
isoline	mg/L											
on	ug/L	ND	160									
rosene	mg/L											
ineral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	2.32	2.17	3.04	2.24	1.16	1.55	1.09	1.42	1.55	2.14	2.37
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	10.2	26.1	8.31	ND	9.97	19.8	6.62	ND	ND	ND
[	SU											
osphorus, Phosphate	mg/L											
dium	ug/L											
lids, Total Dissolved	mg/L	404	300	253	222	267	224	153	403	263	303	372
lids, Total Suspended	mg/L	2192	1430	500	470	624	592	3680	424	521	838	1050
lfate	mg/L	23.6	ND	21.8	26.4	16.2	14.9	31.8	ND	ND	14.3	18
mperature	mg/L											
PH	ug/L											

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W11

Parameter	Units	1/8/87	10/26/89	1/25/90	5/3/90	9/21/90	12/11/90	12/12/90	1/30/91	5/1/91	10/8/91	6/18/92
Fuel Oil	mg/L											
Fuel Oil	mg/L											
benzene	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
benzene, Total	ug/L	97.4										
chromium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
chromium, Total	ug/L	1873										
carbon, Total Organic	mg/L	7.62	2.42	3.75	3.54	3.87		11.8	6.35	3.1	2.65	
chloride	mg/L	71.9	22.8	69.4	60	54.6		62.8	66.7	50	26.8	31.4
chromium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
chromium, Total	ug/L	275										
field Conductivity @ 25 Deg C	umhos/cm	385	218	290	465	450		389	310	339	240	
field pH	SU	6.8	7.1	6.7	6.6	6.9		6.7	6.5	6.8	6.3	
isoline	mg/L											
mon	ug/L	ND										
rosene	mg/L											
ineral Spirits	mg/L											
trogen, Ammonia	mg/L											ND
trogen, Nitrate	mg/L	2.32	0.21	1.35	4.02	5.14	6.36		8.04	7.38	2.91	2.67
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	ND	ND	ND	6.34		7.87	7.2	ND	ND	
l	SU											
osphorus, Phosphate	mg/L											0.736
dium	ug/L											
lids, Total Dissolved	mg/L	404	205	255	268	253		325	338	313	240	
lids, Total Suspended	mg/L	2192	340	690	158	366		257		606	670	
lfate	mg/L	23.6	14.1	16.8	20	20.2		23.9	30.6	27	20.2	
mperature	mg/L											
PH	ug/L											ND

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W11

Parameter	Units	1/8/87	12/17/92	6/30/93	12/28/93	6/21/94	7/5/95	7/9/96
Fuel Oil	mg/L						ND	ND
Fuel Oil	mg/L							ND
senic	ug/L	ND						
senic, Total	ug/L	97.4						
rium	ug/L	ND						
rium, Total	ug/L	1873						
arbon, Total Organic	mg/L	7.62						
loride	mg/L	71.9	32.2	31	26	20	25	47
romium	ug/L	ND						
romium, Total	ug/L	275						
eld Conductivity @ 25 Deg C	umhos/cm	385	212	395	300	292	275	
eld pH	SU	6.8	6.49	6.69	6.5	5.94	6.4	
soline	mg/L						ND	ND
n	ug/L	ND						
rosene	mg/L						ND	ND
ineral Spirits	mg/L						ND	ND
trogen, Ammonia	mg/L		ND	0.1	ND	ND	ND	ND
trogen, Nitrate	mg/L	2.32	2.3					
trogen, Nitrate + Nitrite	mg/L			1.78	1.89	0.99	1.18	0.46
l and Grease	mg/L	ND						
I	SU			ND				
osphorus, Phosphate	mg/L							
dium	ug/L		17500					
lids, Total Dissolved	mg/L	404						
lids, Total Suspended	mg/L	2192						
lfate	mg/L	23.6						
mperature	mg/L		7	11.9	11.5	14	16	
PH	ug/L		ND	ND	ND	ND		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W12

Parameter	Units	<u>7/8/92</u>	<u>12/18/92</u>	<u>6/29/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/9/96</u>
Fuel Oil	mg/L						ND	ND
Fuel Oil	mg/L							ND
Chloride	mg/L	159	140	126	108	102	105	89
Hardness Conductivity @ 25 Deg C	umhos/cm		500	710	670	599	605	
Hardness pH	SU		6.5	6.01	7	5.55	5.98	
Chlorine	mg/L						ND	ND
Benzene	mg/L						ND	ND
Mineral Spirits	mg/L						ND	ND
Ammonia, Ammonia	mg/L	ND	ND	ND	0.22	ND	0.28	ND
Nitrate, Nitrate	mg/L	9.28	10.3					
Nitrate + Nitrite	mg/L			11.3	8.14	7.43	6.25	7.7
	SU			ND				
Phosphorus, Phosphate	mg/L	1.35						
Sulfur	ug/L		63000					
Temperature	Deg. SU		6	11	11.5	13	11.5	
pH	ug/L	ND	ND	ND	ND	ND		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W13

Parameter	Units	6/22/92	12/19/92	6/30/93	12/27/93	4/25/94	6/22/94	10/4/94	3/10/95	7/6/95	9/13/95	3/20/96
Fuel Oil	mg/L									ND		
Fuel Oil	mg/L											
Chloride	mg/L	77.4	146	80	200	167	152	132	184	163	96	133
Hardness Conductivity @ 25 Deg C	µmhos/cm		570	475		833	750			820		
Hardness pH	SU		6.04	6.07		5.97	6.5			6.1		
Chlorine	mg/L									ND		
Benzene	mg/L									ND		
Chlorine Spirits	mg/L									ND		
Chlorine, Ammonia	mg/L	ND	ND	ND	ND	ND	ND	0.2	ND	0.3	ND	0.1
Chlorine, Nitrate	mg/L	0.825	1.48									
Chlorine, Nitrate + Nitrite	mg/L			1.38	5.01	2.36	2.84	5.59	7.22	6.66	4.59	4.65
Chlorine	SU			ND								
Phosphorus, Phosphate	mg/L	4.46										
Sulfur	ug/L		83300									
Temperature	Deg. SU		7	11.8		11	15			11.5		
PH	ug/L	ND	ND	ND	ND		ND					

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W13

Parameter	Units	6/22/92	7/10/96	9/25/96
Fuel Oil	mg/L		ND	
Fuel Oil	mg/L		ND	
Chloride	mg/L	77.4	83	101
Field Conductivity @ 25 Deg C	µmhos/cm			
Field pH	SU			
Gasoline	mg/L		ND	
Xylosene	mg/L		ND	
Mineral Spirits	mg/L		ND	
Nitrogen, Ammonia	mg/L	ND	ND	ND
Nitrogen, Nitrate	mg/L	0.825		
Nitrogen, Nitrate + Nitrite	mg/L		4.87	4.37
Iron	SU			
Phosphorus, Phosphate	mg/L	4.46		
Sulfur	ug/L			
Temperature	Deg. SU			
Turbidity	ug/L	ND		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W14

Parameter	Units	1/8/87	6/4/87	9/3/87	12/3/87	3/3/88	4/7/88	8/10/88	11/15/88	1/26/89	4/27/89	7/27/89
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
senic, Total	ug/L	65.2										
rium	ug/L	253	ND	ND			ND	ND	ND		ND	ND
rium, Total	ug/L	2460										
arbon, Total Organic	mg/L	4.51	2.22	6.5	2.05	3.78	2.93	2.99	2.85	1.71	3.42	64.6
loride	mg/L	128	123	127	127	128	101	109	115	118	112	137
romium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
romium, Total	ug/L	239										
eld Conductivity @ 25 Deg C	umhos/cm	590	520	700	640	768	642	700	550	475	550	680
eld pH	SU	6.4	6	6.4	7	6.4	6.2	7	6.6	6.7	6.6	6.7
isoline	mg/L											
on	ug/L	ND	ND									
rosene	mg/L											
ineral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	5.51	4.46	3.76	4.69	6.34	6.19	5.34	5.96	5.37	5.52	5.7
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	30	30.1	ND	8.74	ND	5.7	ND	ND	ND	ND
I	SU											
osphorus, Phosphate	mg/L											
dium	ug/L											
lids, Total Dissolved	mg/L	574	443	434	413	439	429	338	473	469	439	596
lids, Total Suspended	mg/L	1684	1670	820	2260	972	1540	4660	70	458	2600	2910
lfate	mg/L	30.5	ND	18.3	32.2	22.7	21.2	32.2	ND	ND	22.5	23.5
emperature	Deg. C											
PH	ug/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W14

parameter	Units	<u>1/8/87</u>	<u>10/26/89</u>	<u>1/25/90</u>	<u>5/3/90</u>	<u>9/21/90</u>	<u>12/11/90</u>	<u>12/12/90</u>	<u>1/30/91</u>	<u>5/1/91</u>	<u>6/18/91</u>	<u>10/8/91</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND	ND	ND		ND	ND	ND		ND
senic, Total	ug/L	65.2										
rium	ug/L	253	ND	ND	ND	ND		253	249	212		ND
rium, Total	ug/L	2460										
arbon, Total Organic	mg/L	4.51	2.54	1.74	4.92	2.12		12.4	2.86	8.06		1.78
loride	mg/L	128	104	87.7	95	107		116	116	115		114
romium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND		ND
romium, Total	ug/L	239										
eld Conductivity @ 25 Deg C	umhos/cm	590	499	433	600	600		575	450	510		490
eld pH	SU	6.4	6.7	6.6	6.7	6.7		6.7	6.4	6.6		6.4
isoline	mg/L											
n	ug/L	ND										
rosene	mg/L											
ineral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	5.51	5.57	5.31	4.46	5.33	6.07		6.62	6.3	2	6.47
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	ND	ND	ND	ND	ND		ND	ND	ND		ND
I	SU											
osphorus, Phosphate	mg/L											
dium	ug/L											
lids, Total Dissolved	mg/L	574	470	418	389	425		497	463	463		490
lids, Total Suspended	mg/L	1684	1190	1800	553	912		664	621	1460		1320
lfate	mg/L	30.5	29.2	24.3	22.5	23.2		21.3	23.8	24.7		22.4
emperature	Deg. C											
PH	ug/L											

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W14

parameter	Units	1/8/87	6/24/92	12/18/92	6/29/93	12/28/93	6/21/94	7/6/95	7/8/96
Fuel Oil	mg/L							ND	ND
Fuel Oil	mg/L								ND
senic	ug/L	ND	ND						
senic, Total	ug/L	65.2							
rium	ug/L	253	ND						
rium, Total	ug/L	2460							
arbon, Total Organic	mg/L	4.51							
loride	mg/L	128	114	94.7	110	113	112	117	120
romium	ug/L	ND	ND						
romium, Total	ug/L	239							
eld Conductivity @ 25 Deg C	umhos/cm	590		258	795	755	769	730	
eld pH	SU	6.4		6.49	6.26	6.8	5.8	6.1	
isoline	mg/L							ND	ND
m	ug/L	ND							
rosene	mg/L							ND	ND
ineral Spirits	mg/L							ND	ND
trogen, Ammonia	mg/L			ND	ND	ND	ND	0.4	ND
trogen, Nitrate	mg/L	5.51	6.04	5.78					
trogen, Nitrate + Nitrite	mg/L				5.76	4.68	4.18	4.51	4.98
l and Grease	mg/L	ND	6						
I	SU				ND				
osphorus, Phosphate	mg/L		1.96						
dium	ug/L			41200					
lids, Total Dissolved	mg/L	574							
lids, Total Suspended	mg/L	1684							
lfate	mg/L	30.5							
emperature	Deg. C			6	12	11.5	14	12	
PH	ug/L		ND	ND	ND	ND	ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W16

Parameter	Units	<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/3/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											
Alkalinity, Total	mg/L											
Mercuric	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Mercuric, Total	ug/L	377										
Mercury	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Mercury, Total	ug/L	4440										
Calcium	ug/L											
Carbon, Total Organic	mg/L	5.8	5.26	3.93	4.1	2.33	4.06	4.84	4.12	2.59	2.69	36.2
Chloride	mg/L	175	162	177	159	164	141	121	131	136	134	170
Copper	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Copper, Total	ug/L	479										
Field Conductivity @ 25 Deg C	umhos/cm	419	600	750	675	768	737	620	500	600	500	690
Field pH	SU	6.4	6.1	6.1	7	6.4	6.3	6.7	6.4	6.5	6.6	6.2
Fluoride	mg/L											
Iron	ug/L	ND	ND									
Isosene	mg/L											
Magnesium	ug/L											
Methyl Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	8.8	11.8	9.27	7.95	10.1	10.3	12.6	11.1	8.12	8.03	9.78
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	ND	11.6	16	ND	15.4	ND	6.88	10	ND	ND	ND
Phosphorus	SU											
Phosphorus, Phosphate	mg/L											
Potassium	ug/L											
Sodium	mg/L											

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W16

Parameter	Units	1/8/87	10/26/89	1/25/90	5/3/90	9/21/90	12/11/90	12/12/90	1/30/91	5/1/91	10/8/91	10/29/91
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											94.5
Alkalinity, Total	mg/L											94.5
Asenic	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
Asenic, Total	ug/L	377										
Barium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
Barium, Total	ug/L	4440										
Boron	ug/L											71800
Boron, Total Organic	mg/L	5.8	2.33	3.45	3.35	2.57		5.94	5.44	3.95	2.86	
Bromide	mg/L	175	157	180	186	178		190	198	137	158	170
Bromine	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
Bromine, Total	ug/L	479										
Field Conductivity @ 25 Deg C	umhos/cm	419	550	510	700	710		610	490	480	500	
Field pH	SU	6.4	6.4	6.4	6.4	6.4		6.4	6.3	6.5	6.1	
Fluoride	mg/L											
Iron	ug/L	ND										
Isoprene	mg/L											
Magnesium	ug/L											17900
Methyl Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	8.8	7.28	5.91	9.75	11	11.5		11.1	11	13.5	
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
	SU											
Phosphorus, Phosphate	mg/L											1.04
Potassium	ug/L											12500
Sodium	mg/L											75400

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W16

Parameter	Units	1/8/87	12/22/91	6/16/92	12/18/92	6/29/93	12/28/93	6/21/94	7/6/95	7/8/96
Fuel Oil	mg/L								ND	ND
Fuel Oil	mg/L									ND
Alkalinity, Bicarbonate	mg/L		99.5							
Alkalinity, Total	mg/L		99.5							
Asenic	ug/L	ND		ND						
Asenic, Total	ug/L	377								
Barium	ug/L	ND	ND	ND						
Barium, Total	ug/L	4440								
Bleedium	ug/L		55400							
Carbon, Total Organic	mg/L	5.8								
Chloride	mg/L	175	126	101	125	126	155	128	106	28
Cadmium	ug/L	ND								
Cadmium, Total	ug/L	479								
Cold Conductivity @ 25 Deg C	umhos/cm	419			1310	735	810	684	660	
Cold pH	SU	6.4			6.39	6.19	6.3	5.53	6.35	
Cosoline	mg/L								ND	ND
Copper	ug/L	ND								
Cresene	mg/L								ND	ND
Fluorine	ug/L		14100							
General Spirits	mg/L								ND	ND
Nitrogen, Ammonia	mg/L				ND	0.53	ND	ND	0.17	ND
Nitrogen, Nitrate	mg/L	8.8		5.8	10.4					
Nitrogen, Nitrate + Nitrite	mg/L					7.86	11.5	6.27	6.03	0.84
Oil and Grease	mg/L	ND								
Iron	SU					ND				
Phosphorus, Phosphate	mg/L		1.33	4.29						
Potassium	ug/L		9980							
Sodium	mg/L		60600		58500					

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W18

Parameter	Units	<u>2/25/92</u>	<u>7/8/92</u>	<u>9/17/92</u>	<u>12/17/92</u>	<u>3/23/93</u>	<u>6/29/93</u>	<u>12/28/93</u>	<u>6/22/94</u>	<u>7/5/95</u>	<u>7/9/96</u>
Fuel Oil	mg/L									ND	ND
Fuel Oil	mg/L										ND
Chloride	mg/L	52.4	131	50.5	52.7	52	43	69	45	39	28
Dissolved Conductivity @ 25 Deg C	umhos/cm			330	275	420	355	450	368	370	
Dissolved pH	SU			6.51	6.22	6.22	5.93	6.3	5.5	6.01	
Isoline	mg/L									ND	ND
Gasoline	mg/L									ND	ND
Mineral Spirits	mg/L									1.9	0.94
Nitrogen, Ammonia	mg/L		ND	ND	ND	0.14	ND	ND	ND	0.22	ND
Nitrogen, Nitrate	mg/L	ND	ND	ND	0.05						
Nitrogen, Nitrate + Nitrite	mg/L					ND	0.04	ND	ND	ND	ND
Iron	SU						ND				
Phosphorus, Phosphate	mg/L		4.02	1.6							
Sodium	mg/L			21100	22800	21800					
Temperature	Deg. C			13	4		11.5	11.5	13	13	
Turbidity	ug/L	1000	ND	ND	1000	2100	ND	1000	ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W19

Parameter	Units	<u>6/24/92</u>	<u>12/18/92</u>	<u>6/30/93</u>	<u>12/28/93</u>	<u>4/25/94</u>	<u>6/21/94</u>	<u>10/4/94</u>	<u>3/10/95</u>	<u>7/6/95</u>	<u>9/13/95</u>	<u>3/20/96</u>
Fuel Oil	mg/L									ND		
Fuel Oil	mg/L											
benzene	ug/L	ND										
chloride	mg/L	388	270	87	154	164	53	48	235	238	68	43
Hardness Conductivity @ 25 Deg C	umhos/cm		900	425	685	689	399			845		
Hardness pH	SU		6.48	6.33	6	5.73	6.12			6.3		
hexachlorobenzene	mg/L									ND		
hexachlorocyclopentadiene	mg/L									ND		
hexachlorobenzene	mg/L									3.9		
nitrogen, Ammonia	mg/L		ND	ND	ND	0.11	ND	ND	0.22	0.4	0.12	0.25
nitrogen, Nitrate	mg/L	0.814	1.73									
nitrogen, Nitrate + Nitrite	mg/L			0.25	0.54	0.04	0.07	0.03	ND	0.02	0.04	ND
nitrite	SU			ND								
total dissolved solids	ug/L		354000									
temperature	Deg. C		7	12	11.5	12	12			12		
TSS	ug/L	1200	3000	2100	8200		6600					

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W19

Parameter	Units	6/24/92	7/10/96
Fuel Oil	mg/L		ND
Fuel Oil	mg/L		ND
Mercuric	ug/L	ND	
Chloride	mg/L	388	140
Field Conductivity @ 25 Deg C	umhos/cm		
Field pH	SU		
Chlorine	mg/L		ND
Benzene	mg/L		ND
Mineral Spirits	mg/L		2.3
Nitrogen, Ammonia	mg/L		0.15
Nitrogen, Nitrate	mg/L	0.814	
Nitrogen, Nitrate + Nitrite	mg/L		0.55
Iron	SU		
Sulfide	ug/L		
Temperature	Deg. C		
Turbidity	ug/L	1200	

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W20

Parameter	Units	1/8/87	6/4/87	12/3/87	3/3/88	4/7/88	11/15/88	1/26/89	4/27/89	7/27/89	10/26/89	1/25/90
Ammonia	ug/L	ND	ND			ND	ND		ND	ND	ND	ND
Ammonia, Total	ug/L	49.2										
Barium	ug/L	ND	ND			ND	ND		ND	ND	ND	ND
Barium, Total	ug/L	4590										
Boron, Total Organic	mg/L	6.41	4.6	5.24	6.32	7	8.35	13.3	8.48	68.6	17.5	7.62
Bromide	mg/L	112	183	140	153	129	187	193	170	169	200	176
Bromine	ug/L	ND	ND			ND	ND		ND	ND	ND	ND
Bromine, Total	ug/L	1075										
Field Conductivity @ 25 Deg C	umhos/cm	580	620	650	760	790	600	700	650	700	650	590
Field pH	SU	6.3	5.9	6.6	6.5	6.7	6.4	6.3	6.5	6.3	6.2	6.4
Iron	ug/L	ND	230									
Nitrogen, Nitrate	mg/L	0.85	ND	0.18	0.37	1.94	0.2	0.07	0.82	0.13	ND	3.12
Oil and Grease	mg/L	ND	6.38	ND	9.53	ND	7.56	9.7	222	ND	12	ND
Solids, Total Dissolved	mg/L	876	572	474	541	487	547	593	259	4130	656	567
Solids, Total Suspended	mg/L	12570	5260	1980	2050	10900	101	1030	2140	4130	1080	3100
Total Solids	mg/L	34.3	35.1	40.5	32.4	35.1	ND	ND	26.7	27.6	31.1	26.9

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W20

Parameter	Units	1/8/87	5/3/90	9/21/90	12/11/90	1/30/91	5/1/91	10/8/91
Ammonia	ug/L	ND	ND	ND	ND	ND	ND	ND
Ammonia, Total	ug/L	49.2						
Barium	ug/L	ND	ND	ND	ND	ND	ND	ND
Barium, Total	ug/L	4590						
Boron, Total Organic	mg/L	6.41	3.6	2.19	5.7	5.65	4.19	2.16
Bromide	mg/L	112	199	200	213	220	257	227
Cadmium	ug/L	ND	ND	ND	ND	ND	ND	ND
Cadmium, Total	ug/L	1075						
Field Conductivity @ 25 Deg C	umhos/cm	580	750	750	715	550	680	590
Field pH	SU	6.3	6.3	6.4	6.4	6.2	6.2	6.1
Copper	ug/L	ND						
Chloride, Nitrate	mg/L	0.85	3.33	3.94	14.3	3.73	5.04	3.53
Oil and Grease	mg/L	ND	ND	ND	ND	ND	ND	ND
Solids, Total Dissolved	mg/L	876	628	715	759	525	721	769
Solids, Total Suspended	mg/L	12570	1500	1480	2300	2830	5890	4850
Fluoride	mg/L	34.3	28	27.4	25.7	28.8	32.2	31.6

mpleid:W21

[illegible]

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

mpleid:W21

Parameter	Units	<u>1/8/87</u>	<u>10/26/89</u>	<u>1/25/90</u>	<u>5/3/90</u>	<u>9/21/90</u>	<u>12/11/90</u>	<u>12/12/90</u>	<u>1/30/91</u>	<u>5/1/91</u>	<u>10/8/91</u>	<u>10/29/91</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Alkalinity, Bicarbonate	mg/L											94.5
Alkalinity, Total	mg/L											94.5
Ammonia	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
Ammonia, Total	ug/L	128										
Barium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
Barium, Total	ug/L	1982										
Boron	ug/L											33100
Carbon, Total Organic	mg/L	11	3.74	3.49	4.01	2.93		5.34	4.46	6.74	2.76	
Chloride	mg/L	82.6	14.2	33.7	53	30.4		31.8	40.6	32.8	56.6	54.8
Cromium	ug/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
Cromium, Total	ug/L	473										
Field Conductivity @ 25 Deg C	umhos/cm	365	147	188	360	252		220	200	191	315	
Field pH	SU	6.8	6.9	7.1	7	6.9		6.8	6.8	6.9	6.1	
Isoline	mg/L											
Iron	ug/L	360										
Isoprene	mg/L											
Lead	ug/L											9780
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L											
Nitrogen, Nitrate	mg/L	4.02	0.23	2.92	1.2	0.53	0.58		0.83	1.11	0.88	
Nitrogen, Nitrate + Nitrite	mg/L											
Oil and Grease	mg/L	ND	ND	ND	ND	ND		ND	ND	ND	ND	
Iron	SU											
Phosphorus, Phosphate	mg/L											0.392
Potassium	ug/L											ND
Sodium	ug/L											32400
Solids, Total Dissolved	mg/L	390	161	190	248	141		198	204	175	253	
Solids, Total Suspended	mg/L	2935	324	450	236	106		175	98	648	388	
Sulfate	mg/L	21.8	15.8	24.2	14.2	18.8		15.1	13.6	11.2	15.5	16.2
Temperature	Deg. C											
Turbidity	ug/L											

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

mpleid:W21

parameter	Units	1/8/87	12/22/91	6/24/92	12/18/92	6/29/93	12/28/93	6/22/94	7/6/95	7/8/96
Fuel Oil	mg/L								ND	ND
Fuel Oil	mg/L									ND
kalinity, Bicarbonate	mg/L		85.8							
kalinity, Total	mg/L		85.8							
senic	ug/L	ND		ND						
senic, Total	ug/L	128								
rium	ug/L	ND	ND							
rium, Total	ug/L	1982								
lcium	ug/L		24300							
rbon, Total Organic	mg/L	11								
loride	mg/L	82.6	35.2	40.4	59	62	74	43	44	88
romium	ug/L	ND								
romium, Total	ug/L	473								
eld Conductivity @ 25 Deg C	umhos/cm	365			240	445	480	373	325	
eld pH	SU	6.8			6.59	6.41	6.7	6.25	6.48	
isoline	mg/L								ND	ND
on	ug/L	360								
rosene	mg/L								ND	ND
agnesium	ug/L		7430							
ineral Spirits	mg/L								ND	ND
trogen, Ammonia	mg/L				ND	ND	ND	0.31	0.16	ND
trogen, Nitrate	mg/L	4.02		2.5	2.3					
trogen, Nitrate + Nitrite	mg/L					1.83	2.4	1.3	0.78	4.36
l and Grease	mg/L	ND								
I	SU					ND				
osphorus, Phosphate	mg/L		0.267	3.18						
tassium	ug/L		ND							
odium	ug/L		25000		36500					
lids, Total Dissolved	mg/L	390								
lids, Total Suspended	mg/L	2935								
lfate	mg/L	21.8	13.8							
emperature	Deg. C				7	13.2	11.5	13.5	13.5	
APH	ug/L			ND	ND	ND	ND	ND		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W22

Parameter	Units	2/25/92	6/14/92	9/17/92	12/18/92	3/24/93	6/30/93	12/28/93	4/25/94	6/22/94	10/4/94	1/5/95
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Chloride	mg/L	386	299	19.6	313	307	25	356	247	180	240	248
Field Conductivity @ 25 Deg C	umhos/cm			128	900	1340	180	1370	1070	987		
Field pH	SU			6.72	6.22	6.26	6.11	5.65	5.78	5.77		
Isoline	mg/L											
Xrosene	mg/L											
Mineral Spirits	mg/L											
Trogon, Ammonia	mg/L			ND	ND	ND	ND	0.22	0.24	ND	ND	ND
Trogon, Nitrate	mg/L	ND	0.14	0.675	0.081							
Trogon, Nitrate + Nitrite	mg/L					0.02	0.73	0.06	0.13	0.05	0.15	0.27
I	SU						ND					
Phosphorus, Phosphate	mg/L			0.632								
Sodium	ug/L			11300	131000	124000						
Temperature	Deg. C			15	7		12.5	11.5	12	14.5		
UPH	ug/L	3000	550	ND	3000	9900	ND	2000		ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W22

Parameter	Units	2/25/92	3/9/95	7/6/95	9/13/95	12/18/95	3/21/96	7/10/96
Fuel Oil	mg/L			ND				ND
Fuel Oil	mg/L							ND
Chloride	mg/L	386	196	167	119	183	138	95
Field Conductivity @ 25 Deg C	umhos/cm			855				
Field pH	SU			6				
Chlorine	mg/L			ND				ND
Benzene	mg/L			ND				ND
General Spirits	mg/L			2				1.8
Ammonia, Nitrogen	mg/L		0.13	0.49	ND	0.13	0.12	ND
Nitrate, Nitrogen	mg/L	ND						
Nitrate + Nitrite, Nitrogen	mg/L		0.21	0.02	0.22	ND	ND	0.28
	SU							
Phosphorus, Phosphate	mg/L							
Sulfur	ug/L							
Temperature	Deg. C			13				
PH	ug/L	3000						

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W25

Parameter	Units	<u>2/19/92</u>	<u>7/29/92</u>	<u>9/17/92</u>	<u>12/17/92</u>	<u>3/23/93</u>	<u>6/28/93</u>	<u>12/28/93</u>	<u>4/25/94</u>	<u>6/21/94</u>	<u>10/4/94</u>	<u>3/10/95</u>
Fuel Oil	mg/L											
Chloride	mg/L	75.8	60.4	34.6	39.3	77	71	136	90	84	89	68
Dissolved Conductivity @ 25 Deg C	umhos/cm			290	240	495	465	635	493	493		
Dissolved pH	SU			6	5.94	5.96	5.79	6.15	5.69	5.84		
Gasoline	mg/L											
Gasoline	mg/L											
Gasoline Spirits	mg/L											
Nitrogen, Ammonia	mg/L			ND	ND	ND	0.2	0.26	0.2	0.17	ND	0.23
Nitrogen, Nitrate	mg/L	7.64	4.66	6.04	6.52							
Nitrogen, Nitrate + Nitrite	mg/L					4.37	4.2	8.07	1.14	2.69	6.02	0.58
	SU						ND					
Phosphorus, Phosphate	mg/L			1.96								
Sulfur	ug/L			31900	33700	40200						
Temperature	Deg. C			12	10		13	11.5	12	13		
PH	ug/L	ND	ND	ND	ND	ND	ND	ND		1600		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W25

Parameter	Units	2/19/92	7/5/95	9/13/95	3/21/96
Fuel Oil	mg/L		ND		
Chloride	mg/L	75.8	91	25	54
Field Conductivity @ 25 Deg C	umhos/cm		500		
Field pH	SU		5.8		
Sulfate	mg/L		ND		
Benzene	mg/L		ND		
Chlorinated Solvents	mg/L		0.85		
Ammonia, Nitrogen	mg/L		0.71	ND	0.11
Nitrate, Nitrogen	mg/L	7.64			
Nitrate + Nitrite, Nitrogen	mg/L		2.58	1.14	4.55
Iron	SU				
Phosphorus, Phosphate	mg/L				
Lead	ug/L				
Temperature	Deg. C		17		
TPH	ug/L	ND			

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W26

Parameter	Units	<u>2/25/92</u>	<u>6/14/92</u>	<u>9/17/92</u>	<u>12/18/92</u>	<u>3/24/93</u>	<u>6/30/93</u>	<u>12/27/93</u>	<u>4/25/94</u>	<u>6/22/94</u>	<u>10/4/94</u>	<u>3/9/95</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Chloride	mg/L	103	130	166	139	136	133	155	212	181	178	169
Field Conductivity @ 25 Deg C	umhos/cm			690	540	765	640	710	891	922		
Field pH	SU			6.4	6.29	6.33	6.23	6.7	5.53	5.84		
Isoline	mg/L											
Isosene	mg/L											
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L			ND	ND	0.18	0.19	ND	0.11	ND	ND	0.12
Nitrogen, Nitrate	mg/L	0.034	0.093	0.031	0.337							
Nitrogen, Nitrate + Nitrite	mg/L					0.12	0.12	0.16	ND	ND	ND	0.05
Iron	SU						ND					
Phosphorus, Phosphate	mg/L			1.96								
Sulfur	ug/L			62800	66000	52800						
Temperature	Deg. C			15	7		14	11.5	12	13.5		
Turbidity	ug/L	1000	ND	650	1000	4800	ND	1000		1200		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W26

<u>Parameter</u>	<u>Units</u>	<u>2/25/92</u>	<u>7/6/95</u>	<u>9/13/95</u>	<u>3/21/96</u>	<u>7/9/96</u>
Fuel Oil	mg/L		ND			ND
Fuel Oil	mg/L					ND
Chloride	mg/L	103	143	245	118	488
Field Conductivity @ 25 Deg C	umhos/cm		810			
Field pH	SU		6.26			
Isoline	mg/L		ND			ND
Xrosene	mg/L		ND			ND
Ineral Spirits	mg/L		4.4			0.9
Trogen, Ammonia	mg/L		0.24	ND	0.16	ND
Trogen, Nitrate	mg/L	0.034				
Trogen, Nitrate + Nitrite	mg/L		0.04	ND	ND	0.81
I	SU					
Phosphorus, Phosphate	mg/L					
Sodium	ug/L					
Temperature	Deg. C		12			
UPH	ug/L	1000				

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W27

Parameter	Units	6/24/92	12/17/92	6/30/93	12/28/93	6/22/94	7/6/95	7/9/96
Fuel Oil	mg/L						ND	ND
Fuel Oil	mg/L							ND
Mercuric	ug/L	ND						
Chloride	mg/L	103	140	162	129	116	123	173
Field Conductivity @ 25 Deg C	umhos/cm		500	945	700	658	795	
Field pH	SU		6.16	6.24	5.8	6.29	6.2	
Sulfate	mg/L						ND	ND
Benzene	mg/L						ND	ND
Acetone	mg/L						3.8	6.5
Nitrogen, Ammonia	mg/L		ND	ND	0.26	ND	0.47	ND
Nitrogen, Nitrate	mg/L	0.926	0.324					
Nitrogen, Nitrate + Nitrite	mg/L			2.62	0.39	0.36	1.41	0.16
Iron	SU			ND				
Lead	ug/L		58000					
Temperature	Deg. C		7	12	11.5	13	13	
Turbidity	ug/L	500	2000	ND	1000	ND		

Wausau, Wisconsin

[illegible]

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W28

Parameter	Units	<u>1/8/87</u>	<u>10/26/89</u>	<u>1/25/90</u>	<u>5/3/90</u>	<u>9/20/90</u>	<u>12/11/90</u>	<u>1/29/91</u>	<u>5/1/91</u>	<u>10/8/91</u>	<u>7/8/92</u>	<u>12/17/92</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
benzene, Total	ug/L	60.9										
chromium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
chromium, Total	ug/L	4570										
carbon, Total Organic	mg/L	7.31	2.77	4.05	12	4.55	5.62	4.41	7.05	4.99		
chloride	mg/L	102	85.5	93.5	96	89.9	79	76.1	74.8	73.4		98.3
chromium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
chromium, Total	ug/L	965										
Field Conductivity @ 25 Deg C	umhos/cm	372	415	350	600	450	372	295	315	430		385
Field pH	SU	6.4	6.3	6.5	6.4	6.5	6.7	6.2	6.6	6.2		6.25
formaldehyde	mg/L											
formaldehyde	ug/L	ND										
formaldehyde	mg/L											
formaldehyde, Ammonia	mg/L										ND	ND
formaldehyde, Nitrate	mg/L	ND	0.2	0.11	ND	ND	0.19	ND	0.08	ND	0.115	0.051
formaldehyde, Nitrate + Nitrite	mg/L											
formaldehyde and Grease	mg/L	ND	ND	ND	ND	ND	ND	ND	7.56	ND		
formaldehyde	SU											
formaldehyde, Phosphate	mg/L										0.918	
formaldehyde	ug/L											49100
formaldehyde, Total Dissolved	mg/L	485	365	466	384	317	324	293	281	329		
formaldehyde, Total Suspended	mg/L	8170	1050	1130	540	918	528	963	1400	840		
formaldehyde	mg/L	36.8	46.5	33.6	37.1	33.6	33.8	31.6	30.1	23.3		
formaldehyde	Deg. C											6
formaldehyde	ug/L										ND	ND

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W28

Parameter	Units	1/8/87	6/29/93	12/28/93	6/22/94	7/5/95	7/9/96
Fuel Oil	mg/L					ND	ND
Fuel Oil	mg/L						ND
Mercuric	ug/L	ND					
Mercuric, Total	ug/L	60.9					
Mercury	ug/L	ND					
Mercury, Total	ug/L	4570					
Carbon, Total Organic	mg/L	7.31					
Chloride	mg/L	102	88	158	130	99	65
Chromium	ug/L	ND					
Chromium, Total	ug/L	965					
Field Conductivity @ 25 Deg C	umhos/cm	372	520	700	597	535	
Field pH	SU	6.4	6.13	6.2	5.93	6.21	
Fluoride	mg/L					ND	ND
Iron	ug/L	ND					
Isosene	mg/L					ND	ND
Methyl Spirits	mg/L					ND	ND
Nitrogen, Ammonia	mg/L		0.17	ND	ND	0.14	ND
Nitrogen, Nitrate	mg/L	ND					
Nitrogen, Nitrate + Nitrite	mg/L		ND	0.13	0.03	0.25	0.1
Oil and Grease	mg/L	ND					
Phosphorus	SU		ND				
Phosphorus, Phosphate	mg/L						
Sulfide	ug/L						
Solids, Total Dissolved	mg/L	485					
Solids, Total Suspended	mg/L	8170					
Total Solids	mg/L	36.8					
Temperature	Deg. C		12	11.5	16	12	
TPH	ug/L		ND	ND	ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W29

Parameter	Units	1/8/87	6/4/87	9/3/87	12/3/87	3/3/88	4/7/88	8/10/88	11/15/88	1/26/89	4/27/89	7/27/89
Fuel Oil	mg/L											
Fuel Oil	mg/L											
senic	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
senic, Total	ug/L	100										
rium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
rium, Total	ug/L	1352										
arbon, Total Organic	mg/L	18.9	26.3	27.7	22.8	16	5.46	25.2	34.3	25.3	27.8	69.8
loride	mg/L	87.4	117	70.9	118	66.8	13.2	95.6	99.5	86.2	81	116
romium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
romium, Total	ug/L	310										
ld Conductivity @ 25 Deg C	umhos/cm	350	520	410	600	492	247	510	431	430	460	600
ld pH	SU	6.4	5.9	6.2	6.6	6.3	6.9	6.9	6.4	6.5	6.5	6.4
soline	mg/L											
n	ug/L	2820	4060									
rosene	mg/L											
neral Spirits	mg/L											
trogen, Ammonia	mg/L											
trogen, Nitrate	mg/L	0.53	0.23	0.95	0.16	0.42	2.8	0.39	0.19	0.23	0.01	0.07
trogen, Nitrate + Nitrite	mg/L											
l and Grease	mg/L	9.8	16.8	12.2	20.2	13.7	ND	20.3	27.9	28.7	32.9	16.6
	SU											
dium	ug/L											
lids, Total Dissolved	mg/L	446	436	308	452	327	154	224	366	374	408	502
lids, Total Suspended	mg/L	3785	2740	765	2220	1470	1050	5150	1620	361	2060	1120
lfate	mg/L	41.1	46.1	21.3	48.1	34	30.2	55.7	48.9	ND	32.4	50
mperature	Deg. C											
PH	ug/L											

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W29

Parameter	Units	<u>1/8/87</u>	<u>10/26/89</u>	<u>1/25/90</u>	<u>5/3/90</u>	<u>9/21/90</u>	<u>12/11/90</u>	<u>1/30/91</u>	<u>5/1/91</u>	<u>6/25/92</u>	<u>12/18/92</u>	<u>6/30/93</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
Mercuric	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Mercuric, Total	ug/L	100										
Mercuric	ug/L	ND	ND	ND	ND	ND	ND	ND	ND			
Mercuric, Total	ug/L	1352										
Carbon, Total Organic	mg/L	18.9	15.8	11.6	4.36	5.23	14.3	5.26	13.1			
Chloride	mg/L	87.4	87.4	45.3	17	23	19.8	15.1	17.4	21.1	25.9	43
Chromium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND			
Chromium, Total	ug/L	310										
Field Conductivity @ 25 Deg C	umhos/cm	350	460	239	250	228	200	140	170		190	350
Field pH	SU	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.6		6.46	6.3
Isoline	mg/L											
Iron	ug/L	2820										
Isosene	mg/L											
Mineral Spirits	mg/L											
Nitrogen, Ammonia	mg/L										ND	0.15
Nitrogen, Nitrate	mg/L	0.53	0.34	0.32	2.07	0.69	0.26	0.28	0.31	0.027	0.231	
Nitrogen, Nitrate + Nitrite	mg/L											0.44
Oil and Grease	mg/L	9.8	15.3	ND	ND	ND	ND	ND	ND			
Oil	SU											ND
Oil	ug/L										22100	
Solids, Total Dissolved	mg/L	446	395	218	159	158	192	165	190			
Solids, Total Suspended	mg/L	3785	372	758	170	376	297	291	500			
Oil	mg/L	41.1	40.2	25.7	11.9	16.3	34	13.1	14.4			
Temperature	Deg. C										7	10.5
Oil	ug/L									ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W29

Parameter	Units	1/8/87	12/28/93	6/22/94	7/5/95	7/9/96
Fuel Oil	mg/L				ND	ND
Fuel Oil	mg/L					ND
benzene	ug/L	ND				
benzene, Total	ug/L	100				
chromium	ug/L	ND				
chromium, Total	ug/L	1352				
carbon, Total Organic	mg/L	18.9				
chloride	mg/L	87.4	24	157	35	60
chromium	ug/L	ND				
chromium, Total	ug/L	310				
Field Conductivity @ 25 Deg C	umhos/cm	350	275	693	325	
Field pH	SU	6.4	6.1	6.62	6	
gasoline	mg/L				ND	ND
hexane	ug/L	2820				
hexane	mg/L				ND	ND
Mineral Spirits	mg/L				ND	0.69
nitrogen, Ammonia	mg/L		ND	ND	0.97	ND
nitrogen, Nitrate	mg/L	0.53				
nitrogen, Nitrate + Nitrite	mg/L		0.1	0.6	ND	0.08
oil and Grease	mg/L	9.8				
oil	SU					
oil	ug/L					
solids, Total Dissolved	mg/L	446				
solids, Total Suspended	mg/L	3785				
silicate	mg/L	41.1				
temperature	Deg. C		11.5	12.5	15	
pH	ug/L		ND	ND		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W31

Parameter	Units	<u>1/8/87</u>	<u>6/4/87</u>	<u>9/3/87</u>	<u>12/3/87</u>	<u>3/3/88</u>	<u>4/7/88</u>	<u>8/10/88</u>	<u>11/15/88</u>	<u>1/26/89</u>	<u>4/27/89</u>	<u>7/27/89</u>
Alkalinity, Bicarbonate	mg/L											
Ammonia, Total	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Ammonia, Total	ug/L	195										
Ammonium	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Ammonium, Total	ug/L	2650										
Calcium	ug/L											
Carbon, Total Organic	mg/L	15.9	12.9	9.34	9.6	10.2	8.33	12.5	12.3	9.17	9.48	39.3
Chloride	mg/L	22.3	7.71	11.5	12.9	11.3	12.2	12.8	15	12.4	45	11.9
Copper	ug/L	ND	ND	ND			ND	ND	ND		ND	ND
Copper, Total	ug/L	637										
Dissolved Conductivity @ 25 Deg C	umhos/cm	460	213	210	220	174	283	187	170	165	353	211
Dissolved pH	SU	7	6.5	6.7	6.7	5.4	6.6	6.8	5.6	7	6.7	7
Fluoride	ug/L											
Iron	ug/L											
Lead	ug/L											
Nitrate	mg/L	114	55.3	14.4	29.8	24.9	27.3	56	11.3	ND	18	5.4

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W31

Parameter	Units	1/8/87	10/26/89	1/25/90	5/3/90	9/21/90	12/11/90	1/30/91	5/1/91	10/8/91	10/29/91	12/22/91
Alkalinity, Bicarbonate	mg/L										92.5	118
Ammonia, Total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Ammonia, Total	ug/L	195										
Ammonia, Total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ammonia, Total	ug/L	2650										
Ammonia, Total	ug/L										23100	26900
Ammonia, Total Organic	mg/L	15.9	9.29	9.16	7.23	11.3	15.6	12.7	15.8	11		
Ammonia, Total	mg/L	22.3	9.5	7.71	10	5.5	4.8	5.4	25.6	2.98	4.7	7.55
Ammonia, Total	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Ammonia, Total	ug/L	637										
Ammonia, Total	umhos/cm	460	165	111	220	142	139	90	270	170		
Ammonia, Total	SU	7	6.7	6.8	6.9	7.1	7.1	6.9	6.7	6.6		
Ammonia, Total	ug/L										7080	
Ammonia, Total	ug/L										ND	
Ammonia, Total	ug/L										8090	8230
Ammonia, Total	mg/L	114	9.98	9.2	5.4	ND	ND	ND	17.2	ND	ND	6.25

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W32

Parameter	Units	1/8/87	6/4/87	9/3/87	12/3/87	3/3/88	4/7/88	8/10/88	11/15/88	1/26/89	4/27/89
Fuel Oil	mg/L										
Fuel Oil	mg/L										
senic	ug/L	ND	ND	ND			ND	ND	ND		ND
senic, Total	ug/L	96.8									
rium	ug/L	ND	ND	ND			ND	ND	ND		ND
rium, Total	ug/L	1424									
rbon, Total Organic	mg/L	34.1	23.9	14.8	14.5	11.5	9.31	21.1	15.7	9.35	16.7
loride	mg/L	15.5	17.6	12.5	14	7.19	8.11	13.8	15	12.1	20
romium	ug/L	ND	ND	ND			ND	ND	ND		ND
romium, Total	ug/L	361									
old Conductivity @ 25 Deg C	umhos/cm	110	245	245	275	129	229	185	212	180	290
old pH	SU	6.7	6.2	6.4	6.4	5.2	6.4	6.2	6.5	6.8	6.6
soline	mg/L										
n	ug/L	30500	49500								
rosene	mg/L										
neral Spirits	mg/L										
trogen, Ammonia	mg/L										
trogen, Nitrate	mg/L	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
trogen, Nitrate + Nitrite	mg/L										
l and Grease	mg/L	ND	ND	ND	ND	8.62	ND	ND	ND	ND	ND
l	SU										
osphorus, Phosphate	mg/L										
dium	ug/L										
lids, Total Dissolved	mg/L	168	221	191	175	89	124	21	181	196	193
lids, Total Suspended	mg/L	2210	1730	245	182	416	87	1410	342	91	373
lfate	mg/L	45.9	53	36.2	57.8	32.6	32.4	58.8	56.4	75.5	9.8
mperature	Deg. C										
UPH	ug/L										

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W32

parameter	Units	1/8/87	7/27/89	10/26/89	1/25/90	5/3/90	9/21/90	12/11/90	1/30/91	5/1/91	10/8/91
Fuel Oil	mg/L										
Fuel Oil	mg/L										
senic	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
senic, Total	ug/L	96.8									
rium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	269	ND
rium, Total	ug/L	1424									
arbon, Total Organic	mg/L	34.1	42.8	8	9.81	10.6	13.9	14.1	15.1	29.2	15.1
loride	mg/L	15.5	16.9	8.55	10.6	11	6.1	5.8	4	72.9	5.96
romium	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
romium, Total	ug/L	361									
old Conductivity @ 25 Deg C	umhos/cm	110	229	130	112	195	140	111	60	500	200
old pH	SU	6.7	6.6	6.8	6.8	6.6	6.9	7	6.9	6.5	6.5
isoline	mg/L										
n	ug/L	30500									
rosene	mg/L										
ineral Spirits	mg/L										
trogen, Ammonia	mg/L										
trogen, Nitrate	mg/L	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
trogen, Nitrate + Nitrite	mg/L										
l and Grease	mg/L	ND	ND	ND	7.64	ND	ND	ND	ND	ND	ND
I	SU										
osphorus, Phosphate	mg/L										
dium	ug/L										
lids, Total Dissolved	mg/L	168	224	136	111	140	81	130	108	477	183
lids, Total Suspended	mg/L	2210	171	90	140	18	41	30	24	109	86
lfate	mg/L	45.9	1.5	25.1	5.7	4	ND	ND	ND	46.4	ND
mperature	Deg. C										
UPH	ug/L										

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W32

Parameter	Units	1/8/87	6/24/92	12/19/92	6/29/93	12/28/93	6/22/94	7/5/95	7/8/96
Fuel Oil	mg/L							ND	ND
Fuel Oil	mg/L								ND
Benzenes	ug/L	ND	2.64						
Benzenes, Total	ug/L	96.8							
Chlorine	ug/L	ND							
Chlorine, Total	ug/L	1424							
Carbon, Total Organic	mg/L	34.1							
Chloride	mg/L	15.5	27.2	25.9	56	7	11	12	38
Chromium	ug/L	ND							
Chromium, Total	ug/L	361							
Field Conductivity @ 25 Deg C	umhos/cm	110		320	1010	410	325	205	
Field pH	SU	6.7		6.38	6.35	5.8	6.11	6.25	
Isoline	mg/L							ND	ND
Iron	ug/L	30500							
Gasoline	mg/L							ND	ND
Mineral Spirits	mg/L							ND	ND
Nitrogen, Ammonia	mg/L			1.96	1.8	1.31	1.21	1.46	1.72
Nitrogen, Nitrate	mg/L	0.03	ND	0.052					
Nitrogen, Nitrate + Nitrite	mg/L				0.07	0.08	0.04	0.03	ND
Oil and Grease	mg/L	ND							
Iron	SU				ND				
Phosphorus, Phosphate	mg/L		2.8						
Sulfur	ug/L			21800					
Solids, Total Dissolved	mg/L	168							
Solids, Total Suspended	mg/L	2210							
Sulfate	mg/L	45.9							
Temperature	Deg. C			6	13	11.5	15	14	
UPH	ug/L		ND	ND	ND	ND	ND		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W33

Parameter	Units	6/30/93	10/4/94	9/13/95	12/18/95	3/21/96	7/9/96
Fuel Oil	mg/L						ND
Fuel Oil	mg/L						ND
Chloride	mg/L	71	74	50	94	59	42
Field Conductivity @ 25 Deg C	umhos/cm	545					
Field pH	SU	5.64					
Benzene	mg/L						ND
Toluene	mg/L						ND
Gasoline	mg/L						170
Ammonia	mg/L	0.36	ND	ND	ND	0.11	ND
Nitrate + Nitrite	mg/L	7.08	ND	ND	ND	ND	0.17
Iron	SU	ND					
Temperature	Deg. C	14					
TPH	ug/L	670000					

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sample ID: W36

Parameter	Units	2/20/92	8/3/92	9/17/92	9/13/95	7/10/96
Fuel Oil	mg/L					ND
Fuel Oil	mg/L					ND
Chloride	mg/L	100	102	48.7	136	120
Field Conductivity @ 25 Deg C	umhos/cm			510		
Field pH	SU			6.3		
Gasoline	mg/L					ND
Gasoline	mg/L					ND
Gasoline Spirits	mg/L					1.8
Nitrogen, Ammonia	mg/L			ND	ND	ND
Nitrogen, Nitrate	mg/L	ND	0.048	0.055		
Nitrogen, Nitrate + Nitrite	mg/L				2.31	0.21
Phosphorus, Phosphate	mg/L			2.93		
Sulfur	ug/L			37500		
Temperature	Deg. C			15		
Turbidity	ug/L	1200	1000	650		

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W37

Parameter	Units	<u>2/20/92</u>	<u>6/24/92</u>	<u>9/17/92</u>	<u>12/18/92</u>	<u>3/24/93</u>
Residual Chlorine	ug/L		ND			
Chloride	mg/L	100	88.8	70.2	90.2	84
Hardness Conductivity @ 25 Deg C	umhos/cm			490	400	530
Hardness pH	SU			6.46	6.56	6.48
Ammonia, Ammonia	mg/L			ND	ND	0.32
Nitrate, Nitrate	mg/L	ND	ND	0.028	0.105	
Nitrate + Nitrite	mg/L					1.15
Phosphorus, Phosphate	mg/L		3.48	3.26		
Iron	ug/L			64900	77500	84200
Temperature	Deg. C			16	7	
PH	ug/L	7300	1100	1400	6000	45000

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W39

Parameter	Units	6/17/92	12/18/92	6/21/94	3/10/95	9/13/95	12/18/95	3/20/96	7/9/96
Fuel Oil	mg/L								ND
Fuel Oil	mg/L								ND
benzene	ug/L	ND							
chloride	mg/L	193	195	185	75	62	141	69	170
Hardness @ 25 Deg C	umhos/cm		600	792					
Hardness	SU		6.31	6.05					
soluble	mg/L								ND
gasoline	mg/L								ND
mineral Spirits	mg/L								95
nitrogen, Ammonia	mg/L		ND	ND	0.3	0.16	0.45	0.13	0.11
nitrogen, Nitrate	mg/L	0.461	0.905						
nitrogen, Nitrate + Nitrite	mg/L			0.58	0.4	0.1	0.24	ND	0.08
phosphorus, Phosphate	mg/L	5.36							
silica	mg/L		96200						
temperature	Deg. C		7	13.5					
TSS	ug/L	ND	75000	ND					

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

W41

Parameter	Units	<u>2/25/92</u>	<u>6/16/92</u>	<u>9/17/92</u>	<u>12/19/92</u>	<u>3/24/93</u>	<u>6/30/93</u>	<u>12/28/93</u>	<u>4/25/94</u>	<u>6/21/94</u>	<u>10/4/94</u>	<u>3/10/95</u>
Fuel Oil	mg/L											
Fuel Oil	mg/L											
benzene	ug/L		ND									
chloride	mg/L	80.6	246	168	211	122	124	218	115	91	44	191
Hard Conductivity @ 25 Deg C	umhos/cm			700	600	630	635	875	635	571		
Hard pH	SU			6.74	5.99	6.4	5.74	5.85	5.66	6.21		
hexachlorocyclopentadiene	mg/L											
hexachlorocyclopentadiene	mg/L											
hexachlorocyclopentadiene	mg/L											
hydrogen, Ammonia	mg/L			ND	ND	0.66	0.12	0.34	0.34	0.22	0.6	0.47
hydrogen, Nitrate	mg/L	0.759	0.345	0.543	0.228							
hydrogen, Nitrate + Nitrite	mg/L					0.34	0.05	1.75	0.04	0.04	0.34	0.53
hydrogen sulfide	SU						ND					
phosphorus, Phosphate	mg/L		5.11	2.55								
silica	ug/L			67800	103000	107000						
temperature	Deg. C			17	6		12	11.5	12	13.5		
Turbidity	ug/L	141000	500	900	9000	7100	330000	5600		2800		

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W41

Parameter	Units	2/25/92	7/6/95	9/13/95	3/20/96	7/9/96
Fuel Oil	mg/L		ND			ND
Fuel Oil	mg/L					ND
Mercuric	ug/L					
Chloride	mg/L	80.6	132	100	162	137
Field Conductivity @ 25 Deg C	umhos/cm		590			
Field pH	SU		6.4			
Gasoline	mg/L		ND			ND
Gasoline	mg/L		ND			ND
Mineral Spirits	mg/L		5.5			13
Nitrogen, Ammonia	mg/L		0.85	0.57	0.54	0.26
Nitrogen, Nitrate	mg/L	0.759				
Nitrogen, Nitrate + Nitrite	mg/L		0.9	0.29	ND	ND
Iron	SU					
Phosphorus, Phosphate	mg/L					
Sulfur	ug/L					
Temperature	Deg. C		17.5			
Turbidity	ug/L	141000				

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sample ID: W66

<u>Parameter</u>	<u>Units</u>	<u>6/30/93</u>
Chloride	mg/L	170
Field Conductivity @ 25 Deg C	umhos/cm	700
Field pH	SU	6.78
Nitrogen, Ammonia	mg/L	ND
Nitrogen, Nitrate + Nitrite	mg/L	0.44
	SU	ND
Temperature	Deg. C	13.5
Turbidity	ug/L	1400

Historical Summary Of Analytical Data **Wauleco, Inc.** **Wausau, Wisconsin**

Sample ID: W67

<u>Parameter</u>	<u>Units</u>	<u>6/29/93</u>
Chloride	mg/L	146
Field Conductivity @ 25 Deg C	umhos/cm	620
Field pH	SU	6.05
Nitrogen, Ammonia	mg/L	ND
Nitrogen, Nitrate + Nitrite	mg/L	0.7
Iron	SU	ND
Temperature	Deg. C	16
Lead	ug/L	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

W69

Parameter	Units	12/29/93	4/25/94
Chloride	mg/L	92	85
Field Conductivity @ 25 Deg C	umhos/cm	700	627
Field pH	SU	5.65	6.07
Nitrogen, Ammonia	mg/L	0.65	0.29
Nitrogen, Nitrate + Nitrite	mg/L	0.06	ND
Temperature	Deg. C	11.5	12.5
Turbidity	ug/L	46000	

A2

PHENOLICS

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

1

Parameter	02/19/92	06/14/92	09/17/92	12/18/92	03/23/93	06/28/93	12/28/93	04/25/94	06/21/94
2,3,4,6-Tetrachlorophenol (ug/L)						40	< 160	< 10	69
2,3,5,6-Tetrachlorophenol (ug/L)	< 1	< 1.02	< 1	< 1	< 20				
2,4,5-Trichlorophenol (ug/L)						< 20	< 320	59	160
2,4,6-Trichlorophenol (ug/L)	< 1	< 1.02	34.3	5.18	< 60	< 10	< 160	55	120
2,4-Dichlorophenol (ug/L)	< .5	< .51	< .5	23.3	< 2	< 10	< 160	< 10	130
2,4-Dimethylphenol (ug/L)	5.91	< .51	67.8	< .5	< 2	< 10	190	< 10	29
2,4-Dinitrophenol (ug/L)	5.27	< 1.02	< 1	6.69	< 6	310	< 320	67	110
2,6-Dichlorophenol (ug/L)						< 10	< 160	< 10	27
2-Chlorophenol (ug/L)	< .5	24.3	< .5	< .5	< 2				
2-Methylphenol (ug/L)						170	< 160	< 10	64
2-Nitrophenol (ug/L)	< .5	< .51	< .5	< .5	< 2	< 10	< 160	< 10	200
3&4-Methylphenol (ug/L)						< 20	< 320	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1	< 1.02	< 1	< 1	< 10	37	< 160	< 10	46
4-Chloro-3-methylphenol (ug/L)	< .5	< .51	< .5	1.77	< 10	< 10	< 160	19	59
4-Nitrophenol (ug/L)	< 1	< 1.02	42.1	2.51	< 10	430	< 320	24	65
Dinoseb (ug/L)						< 10	< 160	< 10	< 10
Pentachlorophenol (ug/L)	101	168	193	150	219	210	310	20	120
Phenol (ug/L)	< .5	< .51	< .5	24.1	< 2				
Phenol/2-Chlorophenol (ug/L)						< 20	240	< 20	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

2

Parameter	10/04/94	01/05/95	03/10/95	07/05/95	03/21/96	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 10	28	< 10	< 25	< 10	< 10
2,3,5,6-Tetrachlorophenol (ug/L)						
2,4,5-Trichlorophenol (ug/L)	58	< 20	26	< 10	86	< 10
2,4,6-Trichlorophenol (ug/L)	65	< 10	18	< 10	53	< 10
2,4-Dichlorophenol (ug/L)	< 10	< 10	10	< 10	12	< 10
2,4-Dimethylphenol (ug/L)	86	< 10	44	< 10	16	< 10
2,4-Dinitrophenol (ug/L)	34	< 20	12	< 50	< 20	< 20
2,6-Dichlorophenol (ug/L)	< 10	< 10	< 10		13	< 10
2-Chlorophenol (ug/L)				< 10	< 10	< 10
2-Methylphenol (ug/L)	22	< 10	44	< 10	< 10	< 10
2-Nitrophenol (ug/L)	< 10	< 10	50	< 10	< 10	14
3&4-Methylphenol (ug/L)	< 20	< 20	41	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 10	< 10	< 10	< 50	20	< 10
4-Chloro-3-methylphenol (ug/L)	18	20	12	< 20	48	16
4-Nitrophenol (ug/L)	< 20	< 20	21	< 50	24	< 20
Dinoseb (ug/L)	< 10	< 10	< 10	< 25	< 10	< 10
Pentachlorophenol (ug/L)	89	50	28	< 50	140	64
Phenol (ug/L)				< 10	< 10	< 10
Phenol/2-Chlorophenol (ug/L)	< 20	< 20	35			

1

[illegible]

2

[illegible]

3

[illegible]

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W02

4

Parameter	10/04/94	01/05/95	03/10/95	07/06/95	09/13/95	12/18/95	03/21/96	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	1400	1400	< 1000	< 2500	< 1000	< 5000	< 1000	< 5000
2,3,5,6-Tetrachlorophenol (ug/L)								
2,4,5-Trichlorophenol (ug/L)	< 1000	< 1000	< 2000	< 1000	< 1000	< 5000	< 1000	< 5000
2,4,6-Trichlorophenol (ug/L)	< 500	< 500	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000
2,4-Dichlorophenol (ug/L)	< 500	< 500	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000
2,4-Dimethylphenol (ug/L)	< 500	< 500	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000
2,4-Dinitrophenol (ug/L)	< 1000	< 1000	< 2000	< 5000	< 2000	< 10000	< 2000	< 10000
2,6-Dichlorophenol (ug/L)	< 500	< 500	< 1000		< 1000	< 5000	< 1000	< 5000
2-Chlorophenol (ug/L)				< 1000	< 1000	< 5000	< 1000	< 5000
2-Methylphenol (ug/L)	< 500	< 500	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000
2-Nitrophenol (ug/L)	< 500	< 500	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000
3&4-Methylphenol (ug/L)	< 1000	< 1000	< 2000	< 2000	< 2000	< 10000	< 2000	< 10000
4,6-Dinitro-2-methylphenol (ug/L)	< 500	< 500	< 1000	< 5000	< 1000	< 5000	1100	< 5000
4-Chloro-3-methylphenol (ug/L)	< 500	< 500	< 1000	< 2000	< 1000	< 5000	< 1000	< 5000
4-Nitrophenol (ug/L)	< 1000	< 1000	< 2000	< 5000	< 2000	< 10000	< 2000	< 10000
Dinoseb (ug/L)	< 500	< 500	< 1000	< 2500	< 1000	< 5000	< 1000	< 5000
Pentachlorophenol (ug/L)	14000	16000	6900	11000	9200	6700	11000	1400
Phenol (ug/L)				< 1000	< 1000	< 5000	< 1000	< 5000
Phenol/2-Chlorophenol (ug/L)	< 1000	< 1000	< 2000					

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

1

Parameter	02/25/92	06/17/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	04/25/94	06/22/94
2,3,4,6-Tetrachlorophenol (ug/L)						2100	9000	6800	17000
2,3,5,6-Tetrachlorophenol (ug/L)	< 10	< 1.02	50.1	< 1	< 10000				
2,4,5-Trichlorophenol (ug/L)						< 100	< 2300	< 2000	11000
2,4,6-Trichlorophenol (ug/L)	< 10	334	< 1	473	< 3000	< 50	4800	2700	12000
2,4-Dichlorophenol (ug/L)	< 5	< .51	109	1220	< 1000	< 50	< 1100	< 1000	70000
2,4-Dimethylphenol (ug/L)	9.84	< .51	3.3	< .5	< 1000	< 50	17000	5100	27000
2,4-Dinitrophenol (ug/L)	< 10	< 1.02	< 1	< 1	< 3000	< 100	< 2300	< 2000	13000
2,6-Dichlorophenol (ug/L)						< 50	8000	3600	20000
2-Chlorophenol (ug/L)	< 5	< .51	< .5	< .5	< 1000				
2-Methylphenol (ug/L)						760	< 1100	4800	< 1000
2-Nitrophenol (ug/L)	13.5	20.5	< .5	< .5	< 1000	< 50	8800	12000	< 1000
3&4-Methylphenol (ug/L)						< 100	7200	4500	< 2000
4,6-Dinitro-2-methylphenol (ug/L)	11.2	< 1.02	5.56	< 1	< 5000	< 50	< 1100	1900	6400
4-Chloro-3-methylphenol (ug/L)	< 5	< .5	< .5	160	< 5000	< 50	3000	1400	8100
4-Nitrophenol (ug/L)	< 10	< 1.02	159	< 1	< 5000	< 100	2600	< 2000	24000
Dinoseb (ug/L)						< 50	< 1100	< 1000	8600
Pentachlorophenol (ug/L)	19500	20100	14800	19500	39500	24000	57000	37000	51000
Phenol (ug/L)	< 5	< .51	< .5	< .5	< 1000				
Phenol/2-Chlorophenol (ug/L)						< 100	33000	11000	< 2000

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

2

Parameter	10/04/94	01/05/95	03/09/95	07/06/95	03/21/96	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 1000	< 1000	< 10000	< 2500	< 2000	< 10000
2,3,5,6-Tetrachlorophenol (ug/L)						
2,4,5-Trichlorophenol (ug/L)	< 2000	< 2000	< 20000	< 1000	< 2000	< 10000
2,4,6-Trichlorophenol (ug/L)	< 1000	< 1000	< 10000	< 1000	< 2000	< 10000
2,4-Dichlorophenol (ug/L)	< 1000	< 1000	< 10000	< 1000	< 2000	< 10000
2,4-Dimethylphenol (ug/L)	< 1000	< 1000	< 10000	< 1000	< 2000	< 10000
2,4-Dinitrophenol (ug/L)	< 2000	< 2000	< 20000	< 5000	< 4000	< 20000
2,6-Dichlorophenol (ug/L)	< 1000	< 1000	< 10000		< 2000	< 10000
2-Chlorophenol (ug/L)				< 1000	< 2000	< 10000
2-Methylphenol (ug/L)	< 1000	< 1000	< 10000	< 1000	< 2000	< 10000
2-Nitrophenol (ug/L)	6600	< 1000	19000	< 1000	< 2000	< 10000
3&4-Methylphenol (ug/L)	2300	13000	< 20000	< 2000	< 4000	< 20000
4,6-Dinitro-2-methylphenol (ug/L)	< 1000	< 1000	< 10000	< 5000	< 2000	< 10000
4-Chloro-3-methylphenol (ug/L)	< 1000	< 1000	< 10000	< 2000	< 2000	< 10000
4-Nitrophenol (ug/L)	5500	< 2000	< 20000	< 5000	< 4000	< 20000
Dinoseb (ug/L)	< 1000	< 1000	< 10000	< 2500	< 2000	< 10000
Pentachlorophenol (ug/L)	26000	36000	26000	23000	12000	8200
Phenol (ug/L)				< 1000	< 2000	< 10000
Phenol/2-Chlorophenol (ug/L)	18000	< 2000	< 20000			

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03B

1

Parameter	06/17/91	02/22/92	09/17/92	12/18/92	03/23/93	06/29/93	12/28/93	06/22/94	07/06/95
2,3,4,6-Tetrachlorophenol (ug/L)						75	< 10	11	< 25
2,3,5,6-Tetrachlorophenol (ug/L)	< 1.02	< 1	< 1	< 1	< 10				
2,4,5-Trichlorophenol (ug/L)						< 20	< 20	< 20	< 10
2,4,6-Trichlorophenol (ug/L)	5.17	< 1	1.04	< 1	< 3	< 10	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)	< .51	< .5	< .5	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)	< .51	< .5	< .5	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)	2.1	< 1	< 1	< 1	< 3	< 20	< 20	< 20	< 50
2,6-Dichlorophenol (ug/L)						< 10	< 10	< 10	
2-Chlorophenol (ug/L)	< .51	1.9	< .5	1.61	< 1				< 10
2-Methylphenol (ug/L)						< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)	< .51	< .5	< .5	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)						< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1.02	< 1	< 1	< 1	< 5	< 10	< 10	< 10	< 50
4-Chloro-3-methylphenol (ug/L)	< .51	< .5	< .5	< .5	< 5	< 10	< 10	< 10	< 20
4-Nitrophenol (ug/L)	< 1.02	< 1	< 1	< 1	< 5	< 20	< 20	< 20	< 50
Dinoseb (ug/L)						< 10	< 10	< 10	< 25
Pentachlorophenol (ug/L)	394	25.4	215	103	17.8	1300	24	180	60
Phenol (ug/L)	< .51	< .5	< .5	1.31	< 1				< 10
Phenol/2-Chlorophenol (ug/L)						< 20	< 20	< 20	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03B

2

Parameter	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 10
2,3,5,6-Tetrachlorophenol (ug/L)	
2,4,5-Trichlorophenol (ug/L)	< 10
2,4,6-Trichlorophenol (ug/L)	< 10
2,4-Dichlorophenol (ug/L)	< 10
2,4-Dimethylphenol (ug/L)	< 10
2,4-Dinitrophenol (ug/L)	< 20
2,6-Dichlorophenol (ug/L)	< 10
2-Chlorophenol (ug/L)	< 10
2-Methylphenol (ug/L)	< 10
2-Nitrophenol (ug/L)	< 10
3&4-Methylphenol (ug/L)	< 20
4,6-Dinitro-2-methylphenol (ug/L)	11
4-Chloro-3-methylphenol (ug/L)	< 10
4-Nitrophenol (ug/L)	< 20
Dinoseb (ug/L)	< 10
Pentachlorophenol (ug/L)	110
Phenol (ug/L)	< 10
Phenol/2-Chlorophenol (ug/L)	

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[illegible]

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[illegible]

3

Parameter	06/17/91	10/08/91	02/20/92	06/14/92	09/17/92	12/19/92	03/23/93	06/28/93	12/27/93
2,3,4,6-Tetrachlorophenol (ug/L)								19	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1	< 1.05	< 1	< 1	< 20		
2,4,5-Trichlorophenol (ug/L)								< 20	< 20
2,4,6-Trichlorophenol (ug/L)			1.02	6.69	< 1	< 1	< 6	< 10	< 10
2,4-Dichlorophenol (ug/L)			< .5	< .526	< .5	< .5	< 2	< 10	< 10
2,4-Dimethylphenol (ug/L)			< .5	3.77	< .5	< .5	< 2	< 10	< 10
2,4-Dinitrophenol (ug/L)			< 1	< 1.05	< 1	< 1	< 6	< 20	< 20
2,6-Dichlorophenol (ug/L)								< 10	< 10
2-Chlorophenol (ug/L)			< .5	< .526	< .5	< .5	< 2		
2-Methylphenol (ug/L)								< 10	< 10
2-Nitrophenol (ug/L)			< .5	< .526	< .5	< .5	< 2	< 10	< 10
3&4-Methylphenol (ug/L)								< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)			< 1	< 1.05	< 1	< 1	< 10	< 10	< 10
4-Chloro-3-methylphenol (ug/L)			< .5	< .526	< .5	< .5	< 10	< 10	< 10
4-Nitrophenol (ug/L)			< 1	< 1.05	< 1	< 1	< 10	< 20	< 20
Dinoseb (ug/L)								< 10	< 10
Pentachlorophenol (ug/L)	1.12	4.7	11	55.3	23	4.85	< 10	130	12
Phenol (ug/L)			3.5	< .526	< .5	< .5	< 2		
Phenol/2-Chlorophenol (ug/L)								< 20	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

4

Parameter	04/25/94	06/21/94	10/04/94	01/05/95	03/09/95	07/06/95	09/13/95	12/18/95	03/20/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 1	10	< 50	< 10	< 10	< 25	< 10	< 10	< 10
2,3,5,6-Tetrachlorophenol (ug/L)									
2,4,5-Trichlorophenol (ug/L)	< 1	< 20	< 100	< 20	< 20	< 10	< 10	< 10	< 10
2,4,6-Trichlorophenol (ug/L)	< 1	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)	< 1	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)	< 1	< 20	< 100	< 20	< 20	< 50	< 20	< 20	< 20
2,6-Dichlorophenol (ug/L)	< 1	< 10	< 50	< 10	< 10		< 10	< 10	< 10
2-Chlorophenol (ug/L)						< 10	< 10	< 10	< 10
2-Methylphenol (ug/L)	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)	< 1	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1	< 10	< 50	< 10	< 10	< 50	< 10	< 10	< 10
4-Chloro-3-methylphenol (ug/L)	< 10	< 10	< 50	< 10	< 10	< 20	< 10	< 10	< 10
4-Nitrophenol (ug/L)	< 1	< 20	< 100	< 20	< 20	< 50	< 20	< 20	< 20
Dinoseb (ug/L)	< 1	< 10	< 50	< 10	< 10	< 25	< 10	< 10	< 10
Pentachlorophenol (ug/L)	< 1	480	470	98	< 10	< 50	< 1	< 1	6.4
Phenol (ug/L)						< 10	< 10	< 10	< 10
Phenol/2-Chlorophenol (ug/L)	< 20	< 20	< 100	< 20	< 20				

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

5

Parameter	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 10
2,3,5,6-Tetrachlorophenol (ug/L)	
2,4,5-Trichlorophenol (ug/L)	< 10
2,4,6-Trichlorophenol (ug/L)	< 10
2,4-Dichlorophenol (ug/L)	< 10
2,4-Dimethylphenol (ug/L)	< 10
2,4-Dinitrophenol (ug/L)	< 20
2,6-Dichlorophenol (ug/L)	< 10
2-Chlorophenol (ug/L)	< 10
2-Methylphenol (ug/L)	< 10
2-Nitrophenol (ug/L)	< 10
3&4-Methylphenol (ug/L)	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 10
4-Chloro-3-methylphenol (ug/L)	< 10
4-Nitrophenol (ug/L)	< 20
Dinoseb (ug/L)	< 10
Pentachlorophenol (ug/L)	1.4
Phenol (ug/L)	< 10
Phenol/2-Chlorophenol (ug/L)	

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Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W09

3

Parameter	10/08/91	06/18/92	12/17/92	06/28/93	12/28/93	06/22/94	07/05/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)				< 1	< 100	< 100	< 26	< 100
2,3,5,6-Tetrachlorophenol (ug/L)		11	< 1					
2,4,5-Trichlorophenol (ug/L)				< 1	< 200	< 200	< 10	< 100
2,4,6-Trichlorophenol (ug/L)		3.79	< 1	< 1	< 100	< 100	< 10	< 100
2,4-Dichlorophenol (ug/L)		< .515	< .5	< 1	< 100	< 100	< 10	< 100
2,4-Dimethylphenol (ug/L)		1.29	< .5	< 10	< 100	< 100	< 10	< 100
2,4-Dinitrophenol (ug/L)		< 1.03	< 1	< 1	< 200	< 200	< 51	< 200
2,6-Dichlorophenol (ug/L)				< 1	< 100	< 100		< 100
2-Chlorophenol (ug/L)		< .515	< .5				< 10	< 100
2-Methylphenol (ug/L)				< 10	< 100	< 100	< 10.2	< 100
2-Nitrophenol (ug/L)		< .515	< .5	< 1	< 100	< 100	< 10	< 100
3&4-Methylphenol (ug/L)				< 20	< 200	< 200	< 20.4	< 200
4,6-Dinitro-2-methylphenol (ug/L)		< 1.03	< 1	< 1	< 100	< 100	< 51	< 100
4-Chloro-3-methylphenol (ug/L)		< .515	< .5	< 10	< 100	< 100	< 20	< 100
4-Nitrophenol (ug/L)		< 1.03	1.77	< 1	< 200	< 200	< 51	< 200
Dinoseb (ug/L)				< 1	360	< 100	< 26	< 100
Pentachlorophenol (ug/L)	5.23	21.9	26.7	< 1	640	120	< 51	57
Phenol (ug/L)		2.28	< .5				< 10	< 100
Phenol/2-Chlorophenol (ug/L)				< 20	< 200	< 200		

1

[illegible]

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Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10A

3

Parameter	06/19/91	10/08/91	07/08/92	12/18/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)					650	1000	1600	960	< 5000
2,3,5,6-Tetrachlorophenol (ug/L)			13.1	19.7					
2,4,5-Trichlorophenol (ug/L)					220	< 200	540	< 250	< 5000
2,4,6-Trichlorophenol (ug/L)			108	< 1	< 100	< 100	450	< 250	< 5000
2,4-Dichlorophenol (ug/L)			< .526	< .5	< 100	120	< 100	< 250	< 5000
2,4-Dimethylphenol (ug/L)			1.67	< .5	< 100	< 100	< 100	< 250	< 5000
2,4-Dinitrophenol (ug/L)			47.4	< 1	450	< 200	470	< 1300	< 10000
2,6-Dichlorophenol (ug/L)					< 100	< 100	< 100		< 5000
2-Chlorophenol (ug/L)			< .526	< .5				< 250	< 5000
2-Methylphenol (ug/L)					< 100	< 100	< 100	< 250	< 5000
2-Nitrophenol (ug/L)			4.82	< .5	< 100	< 100	< 100	< 250	< 5000
3&4-Methylphenol (ug/L)					< 200	< 200	< 200	< 500	< 10000
4,6-Dinitro-2-methylphenol (ug/L)			< 1.05	< 1	< 100	< 100	< 100	< 1300	< 5000
4-Chloro-3-methylphenol (ug/L)			< .526	< .5	< 100	< 100	< 100	< 500	< 5000
4-Nitrophenol (ug/L)			3.78	12.3	< 200	< 200	240	< 1300	< 10000
Dinoseb (ug/L)					< 100	< 100	< 100	< 630	< 5000
Pentachlorophenol (ug/L)	9550	16500	7400	11800	11000	14000	17000	6600	970
Phenol (ug/L)			.714	60.4				< 250	< 5000
Phenol/2-Chlorophenol (ug/L)					< 200	220	< 200		

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10B

1

Parameter	07/08/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)			1.8	< 10	66	< 25	< 10
2,3,5,6-Tetrachlorophenol (ug/L)	< 1.07	< 1					
2,4,5-Trichlorophenol (ug/L)			< 1	< 20	27	< 10	< 10
2,4,6-Trichlorophenol (ug/L)	< 1.07	< 1	< 1	< 10	16	< 10	< 10
2,4-Dichlorophenol (ug/L)	1.31	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)	< .535	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)	< 1.07	< 1	< 1	< 20	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)			< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)	< .535	< .5				< 10	< 10
2-Methylphenol (ug/L)			< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)	< .535	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)			< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1.07	< 1	< 1	< 10	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)	< .535	< .5	< 10	< 10	17	< 20	< 10
4-Nitrophenol (ug/L)	< 1.07	< 1	< 1	< 20	< 20	< 50	< 20
Dinoseb (ug/L)			< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	39.2	30.3	8.4	23	33	< 50	7.7
Phenol (ug/L)	< .535	< .5				< 10	< 10
Phenol/2-Chlorophenol (ug/L)			< 20	< 20	< 20		

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Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W11

3

Parameter	06/19/91	10/08/91	06/18/92	12/17/92	06/30/93	12/28/93	06/21/94	07/05/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)					< 1	< 10	17	< 25	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)					< 1	< 20	< 20	< 10	< 10
2,4,6-Trichlorophenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)					< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)			< .51	< .5				< 10	< 10
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)					< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 20	< 10
4-Nitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
Dinoseb (ug/L)					< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	1420	891	44.4	209	82	70	140	< 50	25
Phenol (ug/L)			7.16	< .5				< 10	< 10
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W12

1

Parameter	06/18/92	12/17/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)			< 1	< 1.1	< 10	47	< 10
2,3,5,6-Tetrachlorophenol (ug/L)	< 1.03	< 1					
2,4,5-Trichlorophenol (ug/L)			< 1	< 1.1	< 20	< 10	< 10
2,4,6-Trichlorophenol (ug/L)	< 1.03	< 1	< 1	< 1.1	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)	< .515	< .5	< 1	< 1.1	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)	< .515	< .5	< 10	< 11	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)	< 1.03	< 1	< 1	< 1.1	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)			< 1	< 1.1	< 10		< 10
2-Chlorophenol (ug/L)	< .515	< .5				< 10	< 10
2-Methylphenol (ug/L)			< 10	< 11	< 10	< 10	< 10
2-Nitrophenol (ug/L)	< .515	< .5	< 1	< 1.1	14	< 10	< 10
3&4-Methylphenol (ug/L)			< 20	< 22	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1.03	< 1	< 1	< 1.1	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)	< .515	< .5	< 10	< 11	< 10	< 20	< 10
4-Nitrophenol (ug/L)	< 1.03	< 1	< 1	< 1.1	< 20	< 50	< 20
Dinoseb (ug/L)			< 1	< 1.1	< 10	< 25	< 10
Pentachlorophenol (ug/L)	2.83	3.67	< 1	< 1.1	73	210	1.5
Phenol (ug/L)	11.4	< .5				< 10	< 10
Phenol/2-Chlorophenol (ug/L)			< 20	< 22	< 20		

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W13

1

Parameter	06/22/92	12/19/92	06/30/93	12/27/93	04/25/94	06/22/94	10/04/94	03/10/95	07/06/95
2,3,4,6-Tetrachlorophenol (ug/L)			< 100	120	190	120	12	< 100	33
2,3,5,6-Tetrachlorophenol (ug/L)	< 1.02	< 1							
2,4,5-Trichlorophenol (ug/L)			< 200	< 200	25	< 200	< 20	< 200	< 10
2,4,6-Trichlorophenol (ug/L)	< 1.02	< 1	< 100	< 100	< 10	< 100	< 10	< 100	< 10
2,4-Dichlorophenol (ug/L)	< .51	< .5	< 100	< 100	< 10	< 100	< 10	< 100	< 10
2,4-Dimethylphenol (ug/L)	< .51	< .5	< 100	< 100	< 10	< 100	< 10	< 100	< 10
2,4-Dinitrophenol (ug/L)	< 1.02	< 1	< 200	< 200	21	< 200	< 20	< 200	< 50
2,6-Dichlorophenol (ug/L)			< 100	< 100	< 10	< 100	< 10	< 100	
2-Chlorophenol (ug/L)	< .51	< .5							< 10
2-Methylphenol (ug/L)			< 100	< 100	< 10	< 100	< 10	< 100	< 10
2-Nitrophenol (ug/L)	< .51	< .5	< 100	< 100	< 10	< 100	< 10	< 100	< 10
3&4-Methylphenol (ug/L)			< 200	< 200	< 20	< 200	< 20	< 200	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1.02	< 1	< 100	< 100	11	< 100	< 10	< 100	< 50
4-Chloro-3-methylphenol (ug/L)	< .51	< .5	< 100	< 100	< 10	< 100	< 10	< 100	< 20
4-Nitrophenol (ug/L)	< 1.02	< 1	< 200	< 200	< 20	< 200	< 20	< 200	< 50
Dinoseb (ug/L)			< 100	< 100	< 10	< 100	< 10	< 100	< 25
Pentachlorophenol (ug/L)	636	4550	540	1800	520	1500	220	530	390
Phenol (ug/L)	4.42	< .5							< 10
Phenol/2-Chlorophenol (ug/L)			< 200	< 200	< 20	< 200	< 20	< 200	

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W13

2

Parameter	09/13/95	03/20/96	07/10/96
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2,3,4,6-Tetrachlorophenol (ug/L)	< 100	< 100	< 100
2,3,5,6-Tetrachlorophenol (ug/L)			
2,4,5-Trichlorophenol (ug/L)	< 100	< 100	< 100
2,4,6-Trichlorophenol (ug/L)	< 100	< 100	< 100
2,4-Dichlorophenol (ug/L)	< 100	< 100	< 100
2,4-Dimethylphenol (ug/L)	< 100	< 100	< 100
2,4-Dinitrophenol (ug/L)	< 200	< 200	< 200
2,6-Dichlorophenol (ug/L)	< 100	< 100	< 100
2-Chlorophenol (ug/L)	< 100	< 100	< 100
2-Methylphenol (ug/L)	< 100	< 100	< 100
2-Nitrophenol (ug/L)	< 100	< 100	< 100
3&4-Methylphenol (ug/L)	< 200	< 200	< 200
4,6-Dinitro-2-methylphenol (ug/L)	< 100	< 100	< 100
4-Chloro-3-methylphenol (ug/L)	< 100	< 100	< 100
4-Nitrophenol (ug/L)	< 200	< 200	< 200
Dinoseb (ug/L)	< 100	< 100	< 100
Pentachlorophenol (ug/L)	110	740	28
Phenol (ug/L)	< 100	< 100	< 100
Phenol/2-Chlorophenol (ug/L)			

1

[illegible]

2

[illegible]

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W14

3

Parameter	06/18/91	10/08/91	06/24/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)					< 1	< 10	< 10	< 25	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)					< 1	< 20	< 20	< 10	< 10
2,4,6-Trichlorophenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)			2.39	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)					< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)			< .51	< .5				< 10	< 10
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)					< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)			1.23	< 1	< 1	< 10	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)			.582	< .5	< 10	< 10	< 10	< 20	< 10
4-Nitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
Dinoseb (ug/L)					< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	< 1	6.49	< 1.02	2.43	< 1	11	26	< 50	< 1
Phenol (ug/L)			< .51	< .5				< 10	< 10
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

1

[illegible]

2

[illegible]

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W16

3

Parameter	06/19/91	10/08/91	06/16/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)					< 1	< 10	< 10	< 34	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)					< 1	< 20	< 20	< 14	< 10
2,4,6-Trichlorophenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 14	< 10
2,4-Dichlorophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 14	< 10
2,4-Dimethylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 14	< 10
2,4-Dinitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 69	< 20
2,6-Dichlorophenol (ug/L)					< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)			< .51	< .5				< 14	< 10
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 13.7	< 10
2-Nitrophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 14	< 10
3&4-Methylphenol (ug/L)					< 20	< 20	< 20	< 27.4	< 20
4,6-Dinitro-2-methylphenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 69	< 10
4-Chloro-3-methylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 27	< 10
4-Nitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 69	< 20
Dinoseb (ug/L)					< 1	< 10	< 10	< 34	< 10
Pentachlorophenol (ug/L)	2.03	5.35	< 1.02	4.79	< 1	11	43	< 69	< 1
Phenol (ug/L)			27.6	< .5				< 14	< 10
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

1

Parameter	02/25/92	07/08/92	09/17/92	12/17/92	03/23/93	06/29/93	12/28/93	06/22/94	07/05/95
2,3,4,6-Tetrachlorophenol (ug/L)						750	840	1000	< 640
2,3,5,6-Tetrachlorophenol (ug/L)	< 10	17	47.8	33.8	< 20				
2,4,5-Trichlorophenol (ug/L)						< 200	52	400	< 260
2,4,6-Trichlorophenol (ug/L)	146	< 1.02	< 1	< 1	< 6	< 100	170	400	< 260
2,4-Dichlorophenol (ug/L)	< 5	70.8	29.6	15	< 2	< 100	< 10	220	< 260
2,4-Dimethylphenol (ug/L)	< 5	9.67	< .5	< .5	< 2	< 100	23	< 100	< 260
2,4-Dinitrophenol (ug/L)	< 10	85.9	< 1	< 1	< 6	< 200	45	350	< 1300
2,6-Dichlorophenol (ug/L)						< 100	16	< 100	
2-Chlorophenol (ug/L)	< 5	< .51	1.68	< .5	< 2				< 260
2-Methylphenol (ug/L)						< 100	14	< 100	< 255
2-Nitrophenol (ug/L)	17.3	3.6	4.25	< .5	< 2	< 100	< 10	< 100	< 260
3&4-Methylphenol (ug/L)						< 200	< 20	< 200	< 510
4,6-Dinitro-2-methylphenol (ug/L)	< 10	< 1.02	4.39	< 1	< 10	< 100	< 10	< 100	< 1300
4-Chloro-3-methylphenol (ug/L)	< 5	24.9	< .5	< .5	< 10	< 100	100	< 100	< 510
4-Nitrophenol (ug/L)	< 10	< 1.02	102	< 1	< 10	< 200	< 20	< 200	< 1300
Dinoseb (ug/L)						< 100	< 10	< 100	< 640
Pentachlorophenol (ug/L)	11800	9380	11600	19500	7470	13000	5600	11000	5100
Phenol (ug/L)	< 5	27	< .5	60.7	< 2				< 260
Phenol/2-Chlorophenol (ug/L)						< 200	90	< 200	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

2

Parameter	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 5000
2,3,5,6-Tetrachlorophenol (ug/L)	
2,4,5-Trichlorophenol (ug/L)	< 5000
2,4,6-Trichlorophenol (ug/L)	< 5000
2,4-Dichlorophenol (ug/L)	< 5000
2,4-Dimethylphenol (ug/L)	< 5000
2,4-Dinitrophenol (ug/L)	< 10000
2,6-Dichlorophenol (ug/L)	< 5000
2-Chlorophenol (ug/L)	< 5000
2-Methylphenol (ug/L)	< 5000
2-Nitrophenol (ug/L)	< 5000
3&4-Methylphenol (ug/L)	< 10000
4,6-Dinitro-2-methylphenol (ug/L)	< 5000
4-Chloro-3-methylphenol (ug/L)	< 5000
4-Nitrophenol (ug/L)	< 10000
Dinoseb (ug/L)	< 5000
Pentachlorophenol (ug/L)	1100
Phenol (ug/L)	< 5000
Phenol/2-Chlorophenol (ug/L)	

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W19

1

Parameter	06/24/92	12/18/92	06/30/93	12/28/93	04/25/94	06/21/94	10/04/94	03/10/95	07/06/95
2,3,4,6-Tetrachlorophenol (ug/L)			< 100	200	220	250	< 100	< 500	95
2,3,5,6-Tetrachlorophenol (ug/L)	< 1.02	11.9							
2,4,5-Trichlorophenol (ug/L)			< 200	< 200	< 20	< 200	< 200	< 1000	< 10
2,4,6-Trichlorophenol (ug/L)	< 1.02	< 1	< 100	< 100	460	< 100	< 100	< 500	< 10
2,4-Dichlorophenol (ug/L)	< .51	23.2	< 100	< 100	150	< 100	< 100	< 500	< 10
2,4-Dimethylphenol (ug/L)	< .51	< .5	< 100	< 100	51	110	< 100	< 500	< 10
2,4-Dinitrophenol (ug/L)	21.1	3.86	< 200	< 200	180	270	< 200	< 1000	< 50
2,6-Dichlorophenol (ug/L)			< 100	< 100	76	< 100	< 100	< 500	
2-Chlorophenol (ug/L)	< .51	< .5							< 10
2-Methylphenol (ug/L)			< 100	140	94	240	< 100	< 500	< 10
2-Nitrophenol (ug/L)	< .51	< .5	< 100	< 100	160	410	200	< 500	< 10
3&4-Methylphenol (ug/L)			< 200	< 200	69	< 200	< 200	< 1000	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1.02	< 1	< 100	< 100	40	< 100	< 100	< 500	< 50
4-Chloro-3-methylphenol (ug/L)	< .51	2.94	< 100	< 100	27	< 100	< 100	< 500	< 20
4-Nitrophenol (ug/L)	< 1.02	< 1	< 200	< 200	34	< 200	< 200	< 1000	< 50
Dinoseb (ug/L)			< 100	< 100	13	< 100	< 100	< 500	< 25
Pentachlorophenol (ug/L)	3240	4730	2100	3400	660	2900	2200	1200	300
Phenol (ug/L)	54.6	63.7							< 10
Phenol/2-Chlorophenol (ug/L)			< 200	300	150	290	380	< 1000	

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W19

2

Parameter	09/13/95	03/20/96	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 500	< 200	< 50
2,3,5,6-Tetrachlorophenol (ug/L)			
2,4,5-Trichlorophenol (ug/L)	< 500	< 200	< 50
2,4,6-Trichlorophenol (ug/L)	< 500	< 200	< 50
2,4-Dichlorophenol (ug/L)	< 500	< 200	< 50
2,4-Dimethylphenol (ug/L)	< 500	< 200	< 50
2,4-Dinitrophenol (ug/L)	< 1000	< 400	< 100
2,6-Dichlorophenol (ug/L)	< 500	< 200	< 50
2-Chlorophenol (ug/L)	< 500	< 200	68
2-Methylphenol (ug/L)	< 500	< 200	< 50
2-Nitrophenol (ug/L)	< 500	< 200	< 50
3&4-Methylphenol (ug/L)	< 1000	< 400	< 100
4,6-Dinitro-2-methylphenol (ug/L)	< 500	< 200	< 50
4-Chloro-3-methylphenol (ug/L)	< 500	< 200	< 50
4-Nitrophenol (ug/L)	< 1000	< 400	< 100
Dinoseb (ug/L)	< 500	< 200	< 50
Pentachlorophenol (ug/L)	520	410	16
Phenol (ug/L)	< 500	< 200	< 50
Phenol/2-Chlorophenol (ug/L)			

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W20

1

Parameter	01/08/87	06/04/87	12/03/87	03/03/88	04/07/88	11/15/88	01/26/89	04/27/89	07/27/89
Pentachlorophenol (ug/L)	1290	2350	513	3000	1360	2600	6730	3240	3350

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W20

2

Parameter	10/26/89	01/25/90	05/03/90	09/21/90	12/11/90	01/30/91	05/01/91	10/08/91
Pentachlorophenol (ug/L)	6520	1640	12.1	27	420	177	186	879

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[illegible]

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[illegible]

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W21

3

Parameter	06/19/91	10/08/91	06/24/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)					< 1	< 10	100	< 25	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)					< 1	< 20	56	< 10	< 10
2,4,6-Trichlorophenol (ug/L)			< 1.02	< 1	< 1	< 10	27	< 10	< 10
2,4-Dichlorophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)					< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)			< .51	< .5				< 10	< 10
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
3,4-Methylphenol (ug/L)					< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 20	< 10
4-Nitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
Dinoseb (ug/L)					< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	2.33	4.21	< 1.02	26.5	2.8	33	44	< 50	< 1
Phenol (ug/L)			< .51	2.63				< 10	< 10
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W22

2

Parameter	10/04/94	03/09/95	07/06/95	09/13/95	12/18/95	03/21/96	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)	190	< 1000	< 630	< 1000	< 100	< 1000	< 1000
2,3,5,6-Tetrachlorophenol (ug/L)							
2,4,5-Trichlorophenol (ug/L)	< 100	< 2000	< 250	< 1000	< 100	< 1000	< 1000
2,4,6-Trichlorophenol (ug/L)	< 50	< 1000	< 250	< 1000	< 100	< 1000	< 1000
2,4-Dichlorophenol (ug/L)	< 50	< 1000	< 250	< 1000	< 100	< 1000	< 1000
2,4-Dimethylphenol (ug/L)	< 50	< 1000	< 250	< 1000	< 100	< 1000	< 1000
2,4-Dinitrophenol (ug/L)	< 100	< 2000	< 1300	< 2000	< 200	< 2000	< 2000
2,6-Dichlorophenol (ug/L)	< 50	< 1000		< 1000	< 100	< 1000	< 1000
2-Chlorophenol (ug/L)			< 250	< 1000	< 100	< 1000	< 1000
2-Methylphenol (ug/L)	< 50	< 1000	< 250	< 1000	< 100	< 1000	< 1000
2-Nitrophenol (ug/L)	< 50	< 1000	< 250	< 1000	< 100	< 1000	< 1000
3&4-Methylphenol (ug/L)	< 100	< 2000	< 500	< 2000	< 200	< 2000	< 2000
4,6-Dinitro-2-methylphenol (ug/L)	< 50	< 1000	< 1300	< 1000	< 100	< 1000	< 1000
4-Chloro-3-methylphenol (ug/L)	< 50	< 1000	< 500	< 1000	< 100	< 1000	< 1000
4-Nitrophenol (ug/L)	< 100	< 2000	< 1300	< 2000	< 200	< 2000	< 2000
Dinoseb (ug/L)	< 50	< 1000	< 630	< 1000	< 100	< 1000	< 1000
Pentachlorophenol (ug/L)	1400	7300	2600	2000	3200	610	730
Phenol (ug/L)			< 250	< 1000	< 100	< 1000	< 1000
Phenol/2-Chlorophenol (ug/L)	< 100	< 2000					

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W22

1

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	04/25/94	06/22/94
2,3,4,6-Tetrachlorophenol (ug/L)						< 1	< 100	430	2900
2,3,5,6-Tetrachlorophenol (ug/L)	< 10	73.1	< 1	69.9	< 20				
2,4,5-Trichlorophenol (ug/L)						< 1	< 200	< 20	930
2,4,6-Trichlorophenol (ug/L)	< 10	< 11.1	< 1	1230	< 6	< 1	< 100	< 10	1800
2,4-Dichlorophenol (ug/L)	< 5	77.9	1.62	< .5	< 2	< 1	< 100	140	600
2,4-Dimethylphenol (ug/L)	< 5	< 5.56	< .5	< .5	< 2	< 10	< 100	110	< 100
2,4-Dinitrophenol (ug/L)	< 10	< 11.1	< 1	< 1	< 6000	< 1	< 200	45	200
2,6-Dichlorophenol (ug/L)						< 1	< 100	66	310
2-Chlorophenol (ug/L)	< 5	< .556	< .5	< .5	< 2				
2-Methylphenol (ug/L)						< 10	< 100	17	< 100
2-Nitrophenol (ug/L)	< 5	< 5.56	< .5	70.1	< 2	< 1	< 100	110	210
3&4-Methylphenol (ug/L)						< 20	< 200	< 20	< 200
4,6-Dinitro-2-methylphenol (ug/L)	12	1.7	< 1	< 1	< 10	< 1	< 100	19	150
4-Chloro-3-methylphenol (ug/L)	< 5	< 5.56	< .5	< .5	< 10	< 10	< 100	130	300
4-Nitrophenol (ug/L)	< 10	< 1.11	1.14	25.8	< 10	< 1	< 200	71	300
Dinoseb (ug/L)						< 1	< 100	24	< 100
Pentachlorophenol (ug/L)	37300	33500	117	74300	81440	1.4	1500	1100	6100
Phenol (ug/L)	< 5	< .556	< .5	119	< 2				
Phenol/2-Chlorophenol (ug/L)						< 20	460	27	< 200

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W25

1

Parameter	02/19/92	07/29/92	09/17/92	12/17/92	03/23/93	06/28/93	12/28/93	04/25/94	06/21/94
2,3,4,6-Tetrachlorophenol (ug/L)						< 10	16	140	280
2,3,5,6-Tetrachlorophenol (ug/L)	< 1	10.3	< 1	7.02	< 20				
2,4,5-Trichlorophenol (ug/L)						< 20	< 1	310	140
2,4,6-Trichlorophenol (ug/L)	< 1	1.3	10.4	4.04	< 6	< 10	< 1	260	110
2,4-Dichlorophenol (ug/L)	7.15	9.9	2.1	10.2	< 2	< 10	< 1	53	110
2,4-Dimethylphenol (ug/L)	8	1.87	< .5	< .5	< 2	< 10	< 10	52	32
2,4-Dinitrophenol (ug/L)	< 1	3.09	1.57	< 1	< 6	< 20	< 1	190	60
2,6-Dichlorophenol (ug/L)						< 10	< 1	42	32
2-Chlorophenol (ug/L)	5.85	< .5	.547	< .5	< 2				
2-Methylphenol (ug/L)						12	< 10	< 10	23
2-Nitrophenol (ug/L)	< .5	< .5	< .5	< .5	< 2	53	< 1	19	77
3&4-Methylphenol (ug/L)						13	< 20	23	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 1	< 1	< 1	< 1	< 10	< 10	< 1	17	33
4-Chloro-3-methylphenol (ug/L)	< .5	1.64	< .5	< .5	< 10	< 10	< 10	100	41
4-Nitrophenol (ug/L)	< 1	1.75	1.29	< 1	< 10	38	< 1	28	71
Dinoseb (ug/L)						< 10	< 1	< 10	< 10
Pentachlorophenol (ug/L)	3570	71.1	55.4	42.2	99.9	< 10	4.3	410	2400
Phenol (ug/L)	< .5	< .5	< .5	< .5	< 2				
Phenol/2-Chlorophenol (ug/L)						37	< 20	< 20	34

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W25

2

Parameter	10/04/94	03/10/95	07/05/95	09/13/95	03/21/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 250	< 1000	320	< 1000	< 10
2,3,5,6-Tetrachlorophenol (ug/L)					
2,4,5-Trichlorophenol (ug/L)	< 500	< 2000	< 10	< 1000	< 10
2,4,6-Trichlorophenol (ug/L)	< 250	< 1000	< 10	< 1000	< 10
2,4-Dichlorophenol (ug/L)	< 250	< 1000	< 10	< 1000	< 10
2,4-Dimethylphenol (ug/L)	< 250	< 1000	< 10	< 1000	< 10
2,4-Dinitrophenol (ug/L)	< 500	< 2000	< 50	< 2000	< 20
2,6-Dichlorophenol (ug/L)	< 250	< 1000		< 1000	< 10
2-Chlorophenol (ug/L)			< 10	< 1000	< 10
2-Methylphenol (ug/L)	< 250	< 1000	< 10	< 1000	< 10
2-Nitrophenol (ug/L)	< 250	< 1000	< 10	< 1000	< 10
3&4-Methylphenol (ug/L)	< 500	< 2000	< 20	< 2000	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 250	< 1000	< 50	< 1000	< 10
4-Chloro-3-methylphenol (ug/L)	< 250	< 1000	< 20	< 1000	< 10
4-Nitrophenol (ug/L)	< 500	< 2000	< 50	< 2000	< 20
Dinoseb (ug/L)	< 250	< 1000	< 25	< 1000	< 10
Pentachlorophenol (ug/L)	2300	4500	560	810	< 1
Phenol (ug/L)			< 10	< 1000	< 10
Phenol/2-Chlorophenol (ug/L)	< 500	< 2000			

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

1

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/27/93	04/25/94	06/22/94
2,3,4,6-Tetrachlorophenol (ug/L)						1600	1600	4800	2900
2,3,5,6-Tetrachlorophenol (ug/L)	< 10	69.9	74	40.6	< 10				
2,4,5-Trichlorophenol (ug/L)						< 200	380	< 2000	690
2,4,6-Trichlorophenol (ug/L)	< 10	< 10.5	< 1	< 1	< 3	< 100	< 100	< 1000	1100
2,4-Dichlorophenol (ug/L)	< 5	< 5.26	177	< .5	< 1	130	< 100	< 1000	250
2,4-Dimethylphenol (ug/L)	< 5	< 5.26	< .5	< .5	< 1	< 100	< 100	< 1000	< 100
2,4-Dinitrophenol (ug/L)	< 10	< 1.05	< 1	< 1	< 3000	450	< 200	< 2000	480
2,6-Dichlorophenol (ug/L)						< 100	< 100	< 1000	270
2-Chlorophenol (ug/L)	< 5	< .526	5.74	< .5	< 1				
2-Methylphenol (ug/L)						< 100	< 100	< 1000	< 100
2-Nitrophenol (ug/L)	25.7	< 5.26	110	71.2	< 1	< 100	< 100	< 1000	180
3&4-Methylphenol (ug/L)						< 200	< 200	< 2000	< 200
4,6-Dinitro-2-methylphenol (ug/L)	< 10	< 1.05	< 1	< 1	< 5	< 100	< 100	< 1000	< 100
4-Chloro-3-methylphenol (ug/L)	< 5	< 5.26	< .5	< .5	< 5	< 100	< 100	< 1000	280
4-Nitrophenol (ug/L)	< 10	< 1.05	139	< 1	< 5	< 200	< 200	< 2000	230
Dinoseb (ug/L)						< 100	< 100	< 1000	< 100
Pentachlorophenol (ug/L)	22300	26100	31700	45100	30400	16000	3500	32000	6400
Phenol (ug/L)	< 5	< .526	< .5	152	< 1				
Phenol/2-Chlorophenol (ug/L)						< 200	< 200	< 2000	< 200

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

2

Parameter	10/04/94	03/09/95	07/06/95	09/13/95	03/21/96	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)	4100	< 1000	7600	< 1000	< 2000	< 5000
2,3,5,6-Tetrachlorophenol (ug/L)						
2,4,5-Trichlorophenol (ug/L)	< 500	< 2000	< 10	< 1000	< 2000	< 5000
2,4,6-Trichlorophenol (ug/L)	< 250	< 1000	< 10	1100	< 2000	< 5000
2,4-Dichlorophenol (ug/L)	450	< 1000	< 10	< 1000	< 2000	< 5000
2,4-Dimethylphenol (ug/L)	< 250	< 1000	< 10	< 1000	< 2000	< 5000
2,4-Dinitrophenol (ug/L)	< 500	< 2000	< 50	< 2000	< 4000	< 10000
2,6-Dichlorophenol (ug/L)	< 250	< 1000		< 1000	< 2000	< 5000
2-Chlorophenol (ug/L)			< 10	< 1000	< 2000	< 5000
2-Methylphenol (ug/L)	< 250	< 1000	< 10	< 1000	< 2000	< 5000
2-Nitrophenol (ug/L)	< 250	< 1000	< 10	< 1000	< 2000	< 5000
3&4-Methylphenol (ug/L)	< 500	< 2000	< 20	< 2000	< 4000	< 10000
4,6-Dinitro-2-methylphenol (ug/L)	< 250	< 1000	< 50	2900	< 2000	< 5000
4-Chloro-3-methylphenol (ug/L)	< 250	< 1000	< 20	< 1000	< 2000	< 5000
4-Nitrophenol (ug/L)	< 500	2900	< 50	< 2000	< 4000	< 10000
Dinoseb (ug/L)	< 250	< 1000	< 25	< 1000	< 2000	< 5000
Pentachlorophenol (ug/L)	12000	14000	< 5000	4000	8200	1800
Phenol (ug/L)			< 10	< 1000	< 2000	< 5000
Phenol/2-Chlorophenol (ug/L)	< 500	< 2000				

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W27

1

Parameter	06/24/92	12/17/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)			710	3000	3000	< 1300	< 10000
2,3,5,6-Tetrachlorophenol (ug/L)	23.5	< 1					
2,4,5-Trichlorophenol (ug/L)			< 200	400	210	< 500	< 10000
2,4,6-Trichlorophenol (ug/L)	< 10.5	< 1	< 100	< 100	980	< 500	< 10000
2,4-Dichlorophenol (ug/L)	< 5.26	19	< 100	320	150	< 500	< 10000
2,4-Dimethylphenol (ug/L)	< 5.26	7.9	< 100	< 100	< 100	< 500	< 10000
2,4-Dinitrophenol (ug/L)	< 10.5	< 1	< 200	< 200	250	< 2500	< 20000
2,6-Dichlorophenol (ug/L)			< 100	< 100	< 100		< 10000
2-Chlorophenol (ug/L)	< 5.26	< .5				< 500	< 10000
2-Methylphenol (ug/L)			< 100	110	< 100	< 500	< 10000
2-Nitrophenol (ug/L)	32.3	< .5	< 100	< 100	< 100	< 500	< 10000
3&4-Methylphenol (ug/L)			< 200	< 200	< 200	< 1000	< 20000
4,6-Dinitro-2-methylphenol (ug/L)	< 10.5	< 1	< 100	370	< 100	< 2500	< 10000
4-Chloro-3-methylphenol (ug/L)	15.7	81.2	< 100	< 100	270	< 1000	< 10000
4-Nitrophenol (ug/L)	< 10.5	< 1	< 200	< 200	340	< 2500	< 20000
Dinoseb (ug/L)			< 100	< 100	< 100	< 1300	< 10000
Pentachlorophenol (ug/L)	16600	21300	10000	30000	33000	7700	3900
Phenol (ug/L)	74.4	105				< 500	< 10000
Phenol/2-Chlorophenol (ug/L)			< 200	240	< 200		

[illegible]

Summary of Analytical Data

SAMPLE ID: W28

Wauleco, Inc.

Wausau, Wisconsin



Parameter	04/27/89	07/27/89	10/26/89	01/25/90	05/03/90	09/20/90	12/11/90	01/29/91	05/01/91
3,4,6-Tetrachlorophenol (ug/L)									
2,3,5,6-Tetrachlorophenol (ug/L)									
2,4,5-Trichlorophenol (ug/L)									
2,4,6-Trichlorophenol (ug/L)									
2,4-Dichlorophenol (ug/L)									
2,4-Dimethylphenol (ug/L)									
2,4-Dinitrophenol (ug/L)									
2,6-Dichlorophenol (ug/L)									
2-Chlorophenol (ug/L)									
2-Methylphenol (ug/L)									
2-Nitrophenol (ug/L)									
3,4-Methylphenol (ug/L)									
4,6-Dinitro-2-methylphenol (ug/L)									
4-Chloro-3-methylphenol (ug/L)									
4-Nitrophenol (ug/L)									
Pinoseb (ug/L)									
Pentachlorophenol (ug/L)	3670	57.4	226	301	4460	2260	2120	3150	300
Phenol (ug/L)									
Phenol/2-Chlorophenol (ug/L)									

MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W28

3

Parameter	06/18/91	10/08/91	07/08/92	12/17/92	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)					120	46	53	87	< 100
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.49	4.29					
2,4,5-Trichlorophenol (ug/L)					< 20	< 20	< 20	< 10	< 100
2,4,6-Trichlorophenol (ug/L)			< 1.49	2.62	< 10	< 10	< 10	< 10	< 100
2,4-Dichlorophenol (ug/L)			< .746	< .5	< 10	< 10	< 10	< 10	< 100
2,4-Dimethylphenol (ug/L)			< .746	< .5	< 10	< 10	< 10	< 10	< 100
2,4-Dinitrophenol (ug/L)			< 1.49	< 1	< 20	< 20	< 20	< 50	< 200
2,6-Dichlorophenol (ug/L)					< 10	< 10	< 10		< 100
2-Chlorophenol (ug/L)			< .746	< .5				< 10	< 100
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 10	< 100
2-Nitrophenol (ug/L)			< .746	< .5	< 10	< 10	< 10	< 10	< 100
3&4-Methylphenol (ug/L)					< 20	< 20	< 20	< 20	< 200
4,6-Dinitro-2-methylphenol (ug/L)			< 1.49	< 1	< 10	< 10	< 10	< 50	< 100
4-Chloro-3-methylphenol (ug/L)			< .746	< .5	< 10	< 10	< 10	< 20	< 100
4-Nitrophenol (ug/L)			< 1.49	< 1	< 20	< 20	< 20	< 50	< 200
Dinoseb (ug/L)					< 10	< 10	< 10	< 25	< 100
Pentachlorophenol (ug/L)	4600	4270	793	6640	2300	800	660	380	83
Phenol (ug/L)			< .746	3.15				< 10	< 100
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

[illegible]

2

[illegible]

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W29

3

Parameter	06/19/91	06/25/92	12/18/92	06/30/93	12/28/93	06/22/94	07/05/95	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)				< 1	81	31	140	< 10
2,3,5,6-Tetrachlorophenol (ug/L)		< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)				< 1	66	30	< 10	93
2,4,6-Trichlorophenol (ug/L)		< 1.02	< 1	< 1	< 10	21	< 10	60
2,4-Dichlorophenol (ug/L)		< .51	< .5	< 1	< 10	< 10	< 10	24
2,4-Dimethylphenol (ug/L)		< .51	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)		< 1.02	< 1	< 1	< 20	< 20	< 50	73
2,6-Dichlorophenol (ug/L)				< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)		< .51	< .5				< 10	< 10
2-Methylphenol (ug/L)				< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)		< .51	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)				< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)		< 1.02	< 1	< 1	< 10	< 10	< 50	450
4-Chloro-3-methylphenol (ug/L)		< .51	< .5	< 10	< 10	< 10	< 20	24
4-Nitrophenol (ug/L)		< 1.02	< 1	< 1	< 20	< 20	< 50	55
Dinoseb (ug/L)				< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	41	120	1100	65	440	120	210	2300
Phenol (ug/L)		.714	3.31				< 10	38
Phenol/2-Chlorophenol (ug/L)				< 20	< 20	< 20		

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W31

1

Parameter	01/08/87	06/04/87	09/03/87	12/03/87	03/03/88	04/07/88	08/10/88	11/15/88	01/26/89
Pentachlorophenol (ug/L)	2.62	< 1	< 1	< 1	< 1	< 1	3.35	1.58	3.06

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W31

2

Parameter	04/27/89	07/27/89	10/26/89	01/25/90	05/03/90	09/21/90	12/11/90	01/30/91	05/01/91
Pentachlorophenol (ug/L)	1.18	< 1	< 1	3.52	1.4	5.42	1.5	10	1.14

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W31

3

Parameter	06/19/91	10/08/91
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Pentachloropheno1 (ug/L)	1.82	4.64

[illegible]

2

[illegible]

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W32

3

Parameter	06/19/91	10/08/91	06/24/92	12/19/92	06/29/93	12/28/93	06/22/94	07/05/95	07/08/96
2,3,4,6-Tetrachlorophenol (ug/L)					< 1	< 10	< 10	< 25	< 10
2,3,5,6-Tetrachlorophenol (ug/L)			< 1.02	< 1					
2,4,5-Trichlorophenol (ug/L)					< 1	< 20	< 20	< 10	< 10
2,4,6-Trichlorophenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 10	< 10
2,4-Dichlorophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
2,4-Dimethylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 10	< 10
2,4-Dinitrophenol (ug/L)			2.05	< 1	< 1	< 20	< 20	< 50	< 20
2,6-Dichlorophenol (ug/L)					< 1	< 10	< 10		< 10
2-Chlorophenol (ug/L)			< .51	< .5				< 10	< 10
2-Methylphenol (ug/L)					< 10	< 10	< 10	< 10	< 10
2-Nitrophenol (ug/L)			< .51	< .5	< 1	< 10	< 10	< 10	< 10
3&4-Methylphenol (ug/L)					< 20	< 20	< 20	< 20	< 20
4,6-Dinitro-2-methylphenol (ug/L)			< 1.02	< 1	< 1	< 10	< 10	< 50	< 10
4-Chloro-3-methylphenol (ug/L)			< .51	< .5	< 10	< 10	< 10	< 20	< 10
4-Nitrophenol (ug/L)			< 1.02	< 1	< 1	< 20	< 20	< 50	< 20
Dinoseb (ug/L)					< 1	< 10	< 10	< 25	< 10
Pentachlorophenol (ug/L)	1.33	3.61	2.08	< 1	< 1	10	15	< 50	5.1
Phenol (ug/L)			.583	< .5				< 10	< 10
Phenol/2-Chlorophenol (ug/L)					< 20	< 20	< 20		

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W33

1

Parameter	06/30/93	10/04/94	09/13/95	12/18/95	03/21/96	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)	6800	3200	< 1000	< 1000	< 2000	< 5000
2,4,5-Trichlorophenol (ug/L)	< 2000	< 2000	< 1000	< 1000	< 2000	< 5000
2,4,6-Trichlorophenol (ug/L)	< 1000	< 1000	< 1000	< 1000	< 2000	< 5000
2,4-Dichlorophenol (ug/L)	< 1000	< 1000	< 1000	< 1000	< 2000	< 5000
2,4-Dimethylphenol (ug/L)	< 1000	< 1000	6800	2200	< 2000	< 5000
2,4-Dinitrophenol (ug/L)	< 2000	< 2000	< 2000	< 2000	< 4000	< 10000
2,6-Dichlorophenol (ug/L)	< 1000	< 1000	1200	< 1000	< 2000	< 5000
2-Chlorophenol (ug/L)			41000	< 1000	2100	< 5000
2-Methylphenol (ug/L)	2600	< 1000	< 1000	5800	< 2000	< 5000
2-Nitrophenol (ug/L)	< 1000	< 1000	< 1000	5400	2100	< 5000
3&4-Methylphenol (ug/L)	< 2000	6300	9800	4100	< 4000	< 10000
4,6-Dinitro-2-methylphenol (ug/L)	< 1000	< 1000	2900	1700	< 2000	< 5000
4-Chloro-3-methylphenol (ug/L)	< 1000	< 1000	1400	< 1000	< 2000	< 5000
4-Nitrophenol (ug/L)	< 2000	< 2000	< 2000	< 2000	< 4000	< 10000
Dinoseb (ug/L)	< 1000	< 1000	< 1000	< 1000	< 2000	< 5000
Pentachlorophenol (ug/L)	36000	19000	94000	13000	2300	1400
Phenol (ug/L)			< 10000	< 1000	3200	< 5000
Phenol/2-Chlorophenol (ug/L)	< 2000	< 2000				

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W36

1

Parameter	02/20/92	08/03/92	09/17/92	09/13/95	07/10/96
2,3,4,6-Tetrachlorophenol (ug/L)				< 1000	< 500
2,3,5,6-Tetrachlorophenol (ug/L)	< 1	< 1	26		
2,4,5-Trichlorophenol (ug/L)				< 1000	< 500
2,4,6-Trichlorophenol (ug/L)	< 1	< 10	< 1	< 1000	< 500
2,4-Dichlorophenol (ug/L)	< .5	11.3	132	< 1000	< 500
2,4-Dimethylphenol (ug/L)	22.1	< .5	29.2	< 1000	< 500
2,4-Dinitrophenol (ug/L)	< 1	< 10	15.2	< 2000	< 1000
2,6-Dichlorophenol (ug/L)				< 1000	< 500
2-Chlorophenol (ug/L)	< .5	< 5	< .5	< 1000	< 500
2-Methylphenol (ug/L)				< 1000	< 500
2-Nitrophenol (ug/L)	< .5	< 5	240	< 1000	< 500
3&4-Methylphenol (ug/L)				< 2000	< 1000
4,6-Dinitro-2-methylphenol (ug/L)	< 1	< 1	< 1	< 1000	< 500
4-Chloro-3-methylphenol (ug/L)	< .5	< .5	< .5	< 1000	< 500
4-Nitrophenol (ug/L)	< 1	< 1	67	< 2000	< 1000
Dinoseb (ug/L)				< 1000	< 500
Pentachlorophenol (ug/L)	7180	14800	8350	1700	1800
Phenol (ug/L)	< .5	155	< .5	< 1000	< 500

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W37

1

Parameter	02/20/92	06/24/92	09/17/92	12/18/92	03/24/93
2,3,5,6-Tetrachlorophenol (ug/L)	< 1	129	59.3	< 1	< 10000
2,4,6-Trichlorophenol (ug/L)	121	< 10.2	< 1	< 1	< 3000
2,4-Dichlorophenol (ug/L)	< .5	158	< .5	< .5	< 1000
2,4-Dimethylphenol (ug/L)	23.2	< 5.1	22.4	< .5	< 1000
2,4-Dinitrophenol (ug/L)	< 1	< 10.2	10.1	< 1	< 3000
2-Chlorophenol (ug/L)	< .5	< 5.1	< .5	< .5	< 1000
2-Nitrophenol (ug/L)	< .5	< 5.1	< .5	< .5	< 1000
4,6-Dinitro-2-methylphenol (ug/L)	< 1	< 10.2	4.96	< 1	< 5000
4-Chloro-3-methylphenol (ug/L)	< .5	< 5.1	< .5	3.49	< 5000
4-Nitrophenol (ug/L)	< 1	< 10.2	65.5	19.4	< 5000
Pentachlorophenol (ug/L)	10600	20300	8570	6260	28768
Phenol (ug/L)	< .5	949	< .5	401	< 1000

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W38

1

Parameter	02/22/92	07/29/92
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2,3,5,6-Tetrachlorophenol (ug/L)	< 10	< 100
2,4,6-Trichlorophenol (ug/L)	19.1	< 100
2,4-Dichlorophenol (ug/L)	35.1	104
2,4-Dimethylphenol (ug/L)	50.7	< 50
2,4-Dinitrophenol (ug/L)	< 10	< 100
2-Chlorophenol (ug/L)	< 5	< 50
2-Nitrophenol (ug/L)	< 5	< 50
4,6-Dinitro-2-methylphenol (ug/L)	< 10	< 100
4-Chloro-3-methylphenol (ug/L)	< 5	< 50
4-Nitrophenol (ug/L)	15.1	< 100
Pentachlorophenol (ug/L)	6510	16400
Phenol (ug/L)	< 5	< 50

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W39

1

Parameter	06/17/92	12/18/92	06/21/94	03/10/95	09/13/95	12/18/95	03/20/96	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)			2900	< 1000	< 1000	< 1000	< 1000	< 1000
2,3,5,6-Tetrachlorophenol (ug/L)	360	403						
2,4,5-Trichlorophenol (ug/L)			1000	< 2000	< 1000	< 1000	< 1000	< 1000
2,4,6-Trichlorophenol (ug/L)	236	267	3500	< 1000	< 1000	< 1000	< 1000	< 1000
2,4-Dichlorophenol (ug/L)	835	1710	6900	< 1000	< 1000	< 1000	1100	< 1000
2,4-Dimethylphenol (ug/L)	569	50	2700	1500	1500	< 1000	1500	< 1000
2,4-Dinitrophenol (ug/L)	< 10.3	100	420	< 2000	< 2000	< 2000	< 2000	< 2000
2,6-Dichlorophenol (ug/L)			1500	< 1000	< 1000	< 1000	< 1000	< 1000
2-Chlorophenol (ug/L)	< 25.8	50			< 1000	< 1000	5000	< 1000
2-Methylphenol (ug/L)			< 100	3600	3300	2100	2300	< 1000
2-Nitrophenol (ug/L)	< 25.8	50	5200	10000	< 1000	2800	6700	< 1000
3&4-Methylphenol (ug/L)			8400	3100	< 2000	4400	< 2000	< 2000
4,6-Dinitro-2-methylphenol (ug/L)	13.3	100	310	< 1000	< 1000	< 1000	< 1000	< 1000
4-Chloro-3-methylphenol (ug/L)	33.9	50	550	< 1000	< 1000	< 1000	< 1000	< 1000
4-Nitrophenol (ug/L)	171	178	1300	< 2000	< 2000	< 2000	< 2000	< 2000
Dinoseb (ug/L)			< 100	< 1000	< 1000	< 1000	< 1000	< 1000
Pentachlorophenol (ug/L)	9290	13900	6900	3700	1200	2400	1900	170
Phenol (ug/L)	< 25.8	50			< 1000	< 1000	6900	1000
Phenol/2-Chlorophenol (ug/L)			< 200	11000				

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

1

Parameter	02/25/92	06/16/92	09/17/92	12/19/92	03/24/93	06/30/93	12/28/93	04/25/94	06/21/94
2,3,4,6-Tetrachlorophenol (ug/L)						3600	710	1000	930
2,3,5,6-Tetrachlorophenol (ug/L)	< 20	441	< 1	< 1	< 8000				
2,4,5-Trichlorophenol (ug/L)						< 200	< 200	< 2000	980
2,4,6-Trichlorophenol (ug/L)	< 20	703	< 1	< 1	< 2400	< 100	150	< 1000	820
2,4-Dichlorophenol (ug/L)	119	227	< .5	< .5	< 800	< 100	320	< 1000	430
2,4-Dimethylphenol (ug/L)	< 10	60.9	< .5	< .5	< 800	< 100	260	< 1000	110
2,4-Dinitrophenol (ug/L)	< 20	170	223	< 1	< 2400	< 200	< 200	< 2000	1100
2,6-Dichlorophenol (ug/L)						3600	140	< 1000	210
2-Chlorophenol (ug/L)	< 10	< 5.1	< .5	< .5	< 800				
2-Methylphenol (ug/L)						< 100	180	< 1000	< 100
2-Nitrophenol (ug/L)	85.9	143	< .5	< .5	< 800	< 100	150	< 1000	330
3&4-Methylphenol (ug/L)						< 200	< 200	< 2000	< 200
4,6-Dinitro-2-methylphenol (ug/L)	< 20	< 51	< 1	< 1	< 4000	< 100	< 100	< 1000	230
4-Chloro-3-methylphenol (ug/L)	68	44.1	< .5	< .5	< 4000	1600	< 100	< 1000	250
4-Nitrophenol (ug/L)	< 20	< 51	109	< 1	< 4000	< 200	< 200	< 2000	500
Dinoseb (ug/L)						< 100	< 100	< 1000	< 100
Pentachlorophenol (ug/L)	8610	16600	6070	16400	14300	32000	9500	12000	4900
Phenol (ug/L)	< 10	< 5.1	< .5	< .5	< 800				
Phenol/2-Chlorophenol (ug/L)						3600	280	< 2000	< 200

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

2

Parameter	10/04/94	03/10/95	07/06/95	09/13/95	03/20/96	07/09/96
2,3,4,6-Tetrachlorophenol (ug/L)	< 500	< 1000	480	< 1000	< 1000	< 2500
2,3,5,6-Tetrachlorophenol (ug/L)						
2,4,5-Trichlorophenol (ug/L)	< 1000	< 2000	< 11	< 1000	< 1000	< 2500
2,4,6-Trichlorophenol (ug/L)	< 500	< 1000	< 11	3400	< 1000	< 2500
2,4-Dichlorophenol (ug/L)	< 500	< 1000	< 11	< 1000	< 1000	< 2500
2,4-Dimethylphenol (ug/L)	< 500	< 1000	< 11	< 1000	< 1000	< 2500
2,4-Dinitrophenol (ug/L)	< 1000	< 2000	< 53	< 2000	< 2000	< 5000
2,6-Dichlorophenol (ug/L)	< 500	< 1000		< 1000	< 1000	< 2500
2-Chlorophenol (ug/L)			< 11	< 1000	< 1000	< 2500
2-Methylphenol (ug/L)	< 500	< 1000	< 10.65	< 1000	< 1000	< 2500
2-Nitrophenol (ug/L)	< 500	< 1000	< 11	< 1000	< 1000	< 2500
3&4-Methylphenol (ug/L)	< 1000	< 2000	< 21.3	< 2000	< 2000	< 5000
4,6-Dinitro-2-methylphenol (ug/L)	< 500	< 1000	< 53	< 1000	< 1000	< 2500
4-Chloro-3-methylphenol (ug/L)	< 500	< 1000	< 21	< 1000	< 1000	< 2500
4-Nitrophenol (ug/L)	< 1000	< 2000	< 53	< 2000	< 2000	< 5000
Dinoseb (ug/L)	< 500	< 1000	< 27	< 1000	< 1000	< 2500
Pentachlorophenol (ug/L)	690	3600	3400	9600	7000	10000
Phenol (ug/L)			< 11	< 1000	< 1000	< 2500
Phenol/2-Chlorophenol (ug/L)	< 1000	< 2000				

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W66

1

Parameter	06/30/93
2,3,4,6-Tetrachlorophenol (ug/L)	230
2,4,5-Trichlorophenol (ug/L)	160
2,4,6-Trichlorophenol (ug/L)	< 10
2,4-Dichlorophenol (ug/L)	< 10
2,4-Dimethylphenol (ug/L)	< 10
2,4-Dinitrophenol (ug/L)	150
2,6-Dichlorophenol (ug/L)	< 10
2-Methylphenol (ug/L)	58
2-Nitrophenol (ug/L)	< 10
3&4-Methylphenol (ug/L)	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 10
4-Chloro-3-methylphenol (ug/L)	< 10
4-Nitrophenol (ug/L)	< 20
Dinoseb (ug/L)	< 10
Pentachlorophenol (ug/L)	9300
Phenol/2-Chlorophenol (ug/L)	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W67

1

Parameter	06/29/93
2,3,4,6-Tetrachlorophenol (ug/L)	40
2,4,5-Trichlorophenol (ug/L)	< 20
2,4,6-Trichlorophenol (ug/L)	< 10
2,4-Dichlorophenol (ug/L)	< 10
2,4-Dimethylphenol (ug/L)	< 10
2,4-Dinitrophenol (ug/L)	57
2,6-Dichlorophenol (ug/L)	< 10
2-Methylphenol (ug/L)	< 10
2-Nitrophenol (ug/L)	< 10
3&4-Methylphenol (ug/L)	< 20
4,6-Dinitro-2-methylphenol (ug/L)	< 10
4-Chloro-3-methylphenol (ug/L)	< 10
4-Nitrophenol (ug/L)	21
Dinoseb (ug/L)	< 10
Pentachlorophenol (ug/L)	5300
Phenol/2-Chlorophenol (ug/L)	< 20

A3

VOLATILES

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

1

Parameter	02/19/92	06/14/92	09/17/92	12/18/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	1.1
1,1,2-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					140	430	68	320	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					38	110	21	130	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 10	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 10	< 10	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 10	< 100	< 10					
Acetone (ug/L)	< 10	< 10	2230	11.7					
Benzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)					< 1	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1
Bromomethane (ug/L)	< 10	< 10	< 100	< 10	< 2		< 2	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 5	< 50	< 5					
Carbon tetrachloride (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 5	6.19	< 50	< 5	5.2	5.2	4.2	1.4	1.2
Chloromethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

2

Parameter	07/10/96
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1,1,1,2-Tetrachloroethane (ug/L)	< 1
1,1,1-Trichloroethane (ug/L)	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 1
1,1,2-Trichloroethane (ug/L)	< 1
1,1-Dichloroethane (ug/L)	< 1
1,1-Dichloroethene (ug/L)	< 1
1,1-Dichloropropene (ug/L)	< 1
1,2,3-Trichlorobenzene (ug/L)	< 1
1,2,3-Trichloropropane (ug/L)	< 1
1,2,4-Trichlorobenzene (ug/L)	< 1
1,2,4-Trimethylbenzene (ug/L)	86.778
1,2-Dibromo-3-chloropropane (ug/L)	< 3
1,2-Dibromoethane (ug/L)	< 2
1,2-Dichlorobenzene (ug/L)	< 1
1,2-Dichloroethane (ug/L)	< 1
1,2-Dichloropropane (ug/L)	< 1
1,3,5-Trimethylbenzene (ug/L)	11.096
1,3-Dichlorobenzene (ug/L)	< 1
1,3-Dichloropropane (ug/L)	< 1
1,4-Dichlorobenzene (ug/L)	< 1
2,2-Dichloropropane (ug/L)	< 1
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 1
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 1
Bromobenzene (ug/L)	< 1
Bromochloromethane (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Bromoform (ug/L)	< 1
Bromomethane (ug/L)	< 2
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	1.768
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

3

Parameter	02/19/92	06/14/92	09/17/92	12/18/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95
Dichlorodifluoromethane (ug/L)					< 2	< 2	< 2	< 2	
Ethylbenzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)					< 1	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					26	25	4.2	27	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	< 5	116	14.1	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 11	< 10	< 10	6	38	4.2	19	3.4
Styrene (ug/L)	< 5	< 5	< 50	< 5	4.4		< 1	< 1	
Tetrachloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	6.3	< 1
Toluene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)					< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 10	< 10	< 100	< 10					
Vinyl chloride (ug/L)	< 10	< 10	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 5	5.88	< 50	18.3					
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1
m + p-Xylene (ug/L)					< 2	15	2.8	15	< 2
n-Butylbenzene (ug/L)					34	130	28	140	
n-Propylbenzene (ug/L)					7	25	5.2	23	
o-Xylene (ug/L)					8.9	30	6.3	49	1.7
p-Isopropyltoluene (ug/L)					< 1	39	9.7	50	
sec-Butylbenzene (ug/L)					12	24	8.7	32	
tert-Butylbenzene (ug/L)					< 1	< 1	< 1	48	
trans-1,2-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W01A

4

Parameter	07/10/96
Dichlorodifluoromethane (ug/L)	< 2
Ethylbenzene (ug/L)	< 1
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	2.957
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	1.214
Styrene (ug/L)	< 1
Tetrachloroethene (ug/L)	< 1
Toluene (ug/L)	< 1
Trichloroethene (ug/L)	< 1
Trichlorofluoromethane (ug/L)	< 1
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 1
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 1
cis-1,3-Dichloropropene (ug/L)	< 1
m + p-Xylene (ug/L)	4.909
n-Butylbenzene (ug/L)	10.658
n-Propylbenzene (ug/L)	5.337
o-Xylene (ug/L)	7.933
p-Isopropyltoluene (ug/L)	< 1
sec-Butylbenzene (ug/L)	< 1
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1
trans-1,3-Dichloropropene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W02

1

Parameter	02/20/92	06/14/92	09/17/92	12/18/92	03/24/93	06/22/94	07/06/95	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)					< 1	< 1		< 10
1,1,1-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,1,2-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,1-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,1-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,1-Dichloropropene (ug/L)					< 1	< 1		< 10
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1		< 10
1,2,3-Trichloropropane (ug/L)					< 1	< 1		< 10
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1		< 10
1,2,4-Trimethylbenzene (ug/L)					490	850		623.6
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3		< 30
1,2-Dibromoethane (ug/L)					< 2	< 2		< 20
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 20	< 10
1,2-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,2-Dichloropropane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
1,3,5-Trimethylbenzene (ug/L)					120	200		21.291
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 20	< 10
1,3-Dichloropropane (ug/L)					< 1	< 1		< 10
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 20	< 10
2,2-Dichloropropane (ug/L)					< 1	< 1		< 10
2-Butanone (MEK) (ug/L)	< 10	< 10	< 100	< 10				
2-Chloroethyl vinyl ether (ug/L)							< 200	
2-Chlorotoluene (ug/L)					< 1	< 1		< 10
2-Hexanone (ug/L)	< 10	< 10	< 100	< 10				
4-Chlorotoluene (ug/L)					< 1	< 1		< 10
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 10	< 100	< 10				
Acetone (ug/L)	< 10	< 10	1620	16.8				
Benzene (ug/L)	< 5	< 5	< 50	< 5	2.8	4	< 20	< 10
Bromobenzene (ug/L)					< 1	< 1		< 10
Bromochloromethane (ug/L)					< 1	< 1		< 10
Bromodichloromethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
Bromoform (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
Bromomethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 40	< 20
Carbon disulfide (ug/L)	< 5	< 5	< 50	< 5				
Carbon tetrachloride (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
Chlorobenzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
Chlorodibromomethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
Chloroethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 40	< 20
Chloroform (ug/L)	< 5	6.24	< 50	< 5	3.2	4.3	< 20	< 10
Chloromethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 40	< 20
Dibromomethane (ug/L)					< 1	< 1		< 10
Dichlorodifluoromethane (ug/L)					< 2	< 2		< 20

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W02

2

Parameter	02/20/92	06/14/92	09/17/92	12/18/92	03/24/93	06/22/94	07/06/95	07/10/96
Ethylbenzene (ug/L)	28	25.1	< 50	25.2	17	18	< 20	< 10
Hexachlorobutadiene (ug/L)					< 1	< 1		< 10
Isopropylbenzene (ug/L)					38	35		11.404
Methylene chloride (ug/L)	< 5	< 5	745	10.4	< 3	< 3	< 60	< 30
Naphthalene (ug/L)	130	55.4	84.6	74	140	49	73	84.929
Styrene (ug/L)	< 5	< 5	< 50	< 5	16	< 1		< 10
Tetrachloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	7.6	< 20	< 10
Toluene (ug/L)	9	5.61	< 50	< 5	3.5	3.8	< 20	< 10
Trichloroethene (ug/L)	26	51.1	< 50	27.6	16	10	< 20	< 10
Trichlorofluoromethane (ug/L)					< 1	< 1	< 20	< 10
Vinyl acetate (ug/L)		< 10	< 100	< 10				
Vinyl chloride (ug/L)	< 10	< 10	< 100	< 10	< 1	< 1	< 20	< 10
Xylenes, Total (ug/L)	< 5	181	257	292				
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 20	< 10
cis-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
m + p-Xylene (ug/L)					83	52	< 40	155.203
n-Butylbenzene (ug/L)					85	140		91.59
n-Propylbenzene (ug/L)					43	49		67.52
o-Xylene (ug/L)					170	200	97	217.759
p-Isopropyltoluene (ug/L)					< 1	< 1		< 10
sec-Butylbenzene (ug/L)					36	43		< 10
tert-Butylbenzene (ug/L)					< 1	< 1		< 10
trans-1,2-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10
trans-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 20	< 10

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

1

Parameter	02/25/92	06/17/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	06/22/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 100		< 10	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	3.2
1,1,2-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,1-Dichloropropene (ug/L)					< 100		< 10	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 100	< 10	< 10	< 1	
1,2,3-Trichloropropane (ug/L)					< 100		< 10	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 100	< 10	< 10	< 1	
1,2,4-Trimethylbenzene (ug/L)					32000	2700	3800	5800	
1,2-Dibromo-3-chloropropane (ug/L)					< 300	< 30	< 30	< 3	
1,2-Dibromoethane (ug/L)					< 200	< 20	< 20	< 2	
1,2-Dichlorobenzene (ug/L)					< 100	< 10	< 10	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					63000	1000	4900	1400	
1,3-Dichlorobenzene (ug/L)					< 100	< 10	< 10	< 1	< 1
1,3-Dichloropropane (ug/L)					< 100	< 10	< 10	< 1	
1,4-Dichlorobenzene (ug/L)					< 100	< 10	< 10	< 1	< 1
2,2-Dichloropropane (ug/L)					< 100	< 10	< 10	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 100	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 100	< 10	< 10	< 1	
2-Hexanone (ug/L)	< 10	< 100	< 100	< 10					
4-Chlorotoluene (ug/L)					< 100	< 10	< 10	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100	< 100	< 10					
Acetone (ug/L)	12	< 100	1780	11.6					
Benzene (ug/L)	15.9	< 50	< 50	< 5	< 100	18	20	< 1	< 1
Bromobenzene (ug/L)					< 100	< 10	< 10	< 1	
Bromochloromethane (ug/L)					< 100		< 10	< 1	
Bromodichloromethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
Bromoform (ug/L)	< 5	< 50	< 50	< 5	< 100		< 10	< 1	< 1
Bromomethane (ug/L)	< 10	< 100	< 100	< 10	< 200		< 20	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 50	< 50	< 5					
Carbon tetrachloride (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	11
Chlorodibromomethane (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
Chloroethane (ug/L)	< 10	< 100	< 100	< 10	< 200	< 20	< 20	< 2	< 2
Chloroform (ug/L)	7.92	< 50	< 50	7.27	< 100	< 10	< 10	< 1	< 1
Chloromethane (ug/L)	< 10	< 100	< 100	< 10	< 200	< 20	< 20	< 2	< 2
Di-isopropyl ether (ug/L)						< 10			
Dibromomethane (ug/L)					< 100		< 10	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

2

Parameter	07/10/96
-----	-----
1,1,1,2-Tetrachloroethane (ug/L)	< 100
1,1,1-Trichloroethane (ug/L)	< 100
1,1,2,2-Tetrachloroethane (ug/L)	< 100
1,1,2-Trichloroethane (ug/L)	< 100
1,1-Dichloroethane (ug/L)	< 100
1,1-Dichloroethene (ug/L)	< 100
1,1-Dichloropropene (ug/L)	< 100
1,2,3-Trichlorobenzene (ug/L)	< 100
1,2,3-Trichloropropane (ug/L)	< 100
1,2,4-Trichlorobenzene (ug/L)	< 100
1,2,4-Trimethylbenzene (ug/L)	1888.51
1,2-Dibromo-3-chloropropane (ug/L)	< 300
1,2-Dibromoethane (ug/L)	< 200
1,2-Dichlorobenzene (ug/L)	< 100
1,2-Dichloroethane (ug/L)	< 100
1,2-Dichloropropane (ug/L)	< 100
1,3,5-Trimethylbenzene (ug/L)	350.9
1,3-Dichlorobenzene (ug/L)	< 100
1,3-Dichloropropane (ug/L)	< 100
1,4-Dichlorobenzene (ug/L)	< 100
2,2-Dichloropropane (ug/L)	< 100
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 100
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 100
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 100
Bromobenzene (ug/L)	< 100
Bromochloromethane (ug/L)	< 100
Bromodichloromethane (ug/L)	< 100
Bromoform (ug/L)	< 100
Bromomethane (ug/L)	< 200
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 100
Chlorobenzene (ug/L)	< 100
Chlorodibromomethane (ug/L)	< 100
Chloroethane (ug/L)	< 200
Chloroform (ug/L)	< 100
Chloromethane (ug/L)	< 200
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 100

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

3

Parameter	02/25/92	06/17/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	06/22/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 200	< 20	< 20	< 2	
Ethylbenzene (ug/L)	63.9	< 50	< 50	76.8	450	38	52	920	88
Hexachlorobutadiene (ug/L)					< 100	< 10	< 10	< 1	
Isopropylbenzene (ug/L)					21000	81	140	1400	
Methyl tert-butyl ether (ug/L)						< 10			
Methylene chloride (ug/L)	< 5	< 50	848	10.9	< 300	< 30	< 30	< 3	< 3
Naphthalene (ug/L)	212	105	126	498	800	150	200	800	70
Styrene (ug/L)	< 5	< 50	< 50	< 5	1400		< 10	< 1000	
Tetrachloroethene (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	31	7.4	8.9
Toluene (ug/L)	33.8	< 50	< 50	22.6	< 100	22	33	< 1	48
Trichloroethene (ug/L)	36.7	< 50	< 50	58.2	< 100	18	37	28	34
Trichlorofluoromethane (ug/L)					< 100	< 10	< 10	< 1	< 1
Vinyl acetate (ug/L)	< 10	< 100	< 100	< 10					
Vinyl chloride (ug/L)	< 10	< 100	< 100	< 10	< 100	< 10	< 10	< 1	< 1
Xylenes, Total (ug/L)	1180	549	635	920					
cis-1,2-Dichloroethene (ug/L)					< 100	< 10	< 10	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 100		< 10	< 1	< 1
m + p-Xylene (ug/L)					790	300	390	1200	91
n-Butylbenzene (ug/L)					26000	240	1600	2200	
n-Propylbenzene (ug/L)					460	120	210	1600	
o-Xylene (ug/L)					3200	410	2800	2100	53
p-Isopropyltoluene (ug/L)					< 100	< 10	180	< 1000	
sec-Butylbenzene (ug/L)					1300	56	88	1600	
tert-Butylbenzene (ug/L)					< 100	< 10	170	< 1000	
trans-1,2-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 100	< 10	< 10	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 100		< 10	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03A

4

Parameter	07/10/96
Dichlorodifluoromethane (ug/L)	< 200
Ethylbenzene (ug/L)	< 100
Hexachlorobutadiene (ug/L)	< 100
Isopropylbenzene (ug/L)	149.83
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 300
Naphthalene (ug/L)	177.33
Styrene (ug/L)	< 100
Tetrachloroethene (ug/L)	< 100
Toluene (ug/L)	< 100
Trichloroethene (ug/L)	< 100
Trichlorofluoromethane (ug/L)	< 100
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 100
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 100
cis-1,3-Dichloropropene (ug/L)	< 100
m + p-Xylene (ug/L)	323.65
n-Butylbenzene (ug/L)	419.38
n-Propylbenzene (ug/L)	156.35
o-Xylene (ug/L)	477.66
p-Isopropyltoluene (ug/L)	180.06
sec-Butylbenzene (ug/L)	164.08
tert-Butylbenzene (ug/L)	< 100
trans-1,2-Dichloroethene (ug/L)	< 100
trans-1,3-Dichloropropene (ug/L)	< 100

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03B

1

Parameter	06/17/91	02/22/92	09/17/92	12/18/92	03/23/93	06/29/93	12/28/93	06/22/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					< 1	5	3.8	8.2	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					< 1	2.4	1.8	3.3	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 100	< 10	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 100	< 10	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10	< 100	< 10					
Acetone (ug/L)	< 100	12.3	1040	< 10					
Benzene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)					< 1	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5	< 50	< 5	< 1		< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10	< 100	< 10	< 2		< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 100	< 10	< 2	< 10	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 100	< 10	< 2	< 20	< 2	< 2	< 2
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W03B

2

Parameter	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)	< 1
1,1,1-Trichloroethane (ug/L)	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 1
1,1,2-Trichloroethane (ug/L)	< 1
1,1-Dichloroethane (ug/L)	< 1
1,1-Dichloroethene (ug/L)	< 1
1,1-Dichloropropene (ug/L)	< 1
1,2,3-Trichlorobenzene (ug/L)	< 1
1,2,3-Trichloropropane (ug/L)	< 1
1,2,4-Trichlorobenzene (ug/L)	< 1
1,2,4-Trimethylbenzene (ug/L)	4.627
1,2-Dibromo-3-chloropropane (ug/L)	< 3
1,2-Dibromoethane (ug/L)	< 2
1,2-Dichlorobenzene (ug/L)	< 1
1,2-Dichloroethane (ug/L)	< 1
1,2-Dichloropropane (ug/L)	< 1
1,3,5-Trimethylbenzene (ug/L)	2.399
1,3-Dichlorobenzene (ug/L)	< 1
1,3-Dichloropropane (ug/L)	< 1
1,4-Dichlorobenzene (ug/L)	< 1
2,2-Dichloropropane (ug/L)	< 1
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 1
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 1
Bromobenzene (ug/L)	< 1
Bromochloromethane (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Bromoform (ug/L)	< 1
Bromomethane (ug/L)	< 2
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	< 1
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03B

3

Parameter	06/17/91	02/22/92	09/17/92	12/18/92	03/23/93	06/29/93	12/28/93	06/22/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 2	< 40	< 2	< 2	
Ethylbenzene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)					< 1	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					< 1	< 1	< 1	< 1	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 50	< 5	534	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	91.6	< 10	< 1	1.5	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5	< 50	< 5	< 1		< 1	< 1	
Tetrachloroethene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	1.3
Toluene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 50	< 5	< 1	8.9	< 1	2.2	1.8
Trichlorofluoromethane (ug/L)					< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5	< 50	< 5	< 1		< 1	< 1	< 1
m + p-Xylene (ug/L)					< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)					< 1	< 1	1.6	3	
n-Propylbenzene (ug/L)					< 1	< 1	< 1	< 1	
o-Xylene (ug/L)					< 1	6.4	< 1	1.9	< 1
p-Isopropyltoluene (ug/L)					< 1	< 1	< 1	< 1	
sec-Butylbenzene (ug/L)					< 1	1.6	< 1	< 1	
tert-Butylbenzene (ug/L)					< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5	< 50	< 5	< 1		< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W03B

4

Parameter	07/10/96
Dichlorodifluoromethane (ug/L)	< 2
Ethylbenzene (ug/L)	< 1
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	< 1
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	1.371
Styrene (ug/L)	< 1
Tetrachloroethene (ug/L)	< 1
Toluene (ug/L)	< 1
Trichloroethene (ug/L)	4.429
Trichlorofluoromethane (ug/L)	< 1
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 1
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 1
cis-1,3-Dichloropropene (ug/L)	< 1
m + p-Xylene (ug/L)	< 2
n-Butylbenzene (ug/L)	3.567
n-Propylbenzene (ug/L)	1.051
o-Xylene (ug/L)	2.243
p-Isopropyltoluene (ug/L)	1.62
sec-Butylbenzene (ug/L)	1.117
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1
trans-1,3-Dichloropropene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W06

1

Parameter	02/20/92	09/17/92
1,1,1-Trichloroethane (ug/L)	< 5	< 50
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50
1,1,2-Trichloroethane (ug/L)	< 5	< 50
1,1-Dichloroethane (ug/L)	< 5	< 50
1,1-Dichloroethene (ug/L)	< 5	< 50
1,2-Dichloroethane (ug/L)	< 5	< 50
1,2-Dichloropropane (ug/L)	< 5	< 50
2-Butanone (MEK) (ug/L)	< 10	< 100
2-Hexanone (ug/L)	< 10	< 100
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100
Acetone (ug/L)	< 10	1300
Benzene (ug/L)	< 5	< 50
Bromodichloromethane (ug/L)	< 5	< 50
Bromoform (ug/L)	< 5	< 50
Bromomethane (ug/L)	< 10	< 100
Carbon disulfide (ug/L)	< 5	< 50
Carbon tetrachloride (ug/L)	< 5	< 50
Chlorobenzene (ug/L)	< 5	< 50
Chlorodibromomethane (ug/L)	< 5	< 50
Chloroethane (ug/L)	< 10	< 100
Chloroform (ug/L)	< 5	< 50
Chloromethane (ug/L)	< 10	< 100
Ethylbenzene (ug/L)	13	< 50
Methylene chloride (ug/L)	< 5	1230
Naphthalene (ug/L)	46	11.3
Styrene (ug/L)	< 5	< 50
Tetrachloroethene (ug/L)	< 5	< 50
Toluene (ug/L)	< 5	< 50
Trichloroethene (ug/L)	< 5	< 50
Vinyl acetate (ug/L)	< 10	< 100
Vinyl chloride (ug/L)	< 10	< 100
Xylenes, Total (ug/L)	< 5	< 50
cis-1,3-Dichloropropene (ug/L)	< 5	< 50
trans-1,2-Dichloroethene (ug/L)	< 5	< 50
trans-1,3-Dichloropropene (ug/L)	< 5	< 50

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W06R

1

Parameter	12/28/93	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)	< 10	< 1
1,1,1-Trichloroethane (ug/L)	< 10	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 10	< 1
1,1,2-Trichloroethane (ug/L)	< 10	< 1
1,1-Dichloroethane (ug/L)	< 10	< 1
1,1-Dichloroethene (ug/L)	< 10	< 1
1,1-Dichloropropene (ug/L)	< 10	< 1
1,2,3-Trichlorobenzene (ug/L)	< 10	< 1
1,2,3-Trichloropropane (ug/L)	< 10	< 1
1,2,4-Trichlorobenzene (ug/L)	< 10	< 1
1,2,4-Trimethylbenzene (ug/L)	4400	1511.01
1,2-Dibromo-3-chloropropane (ug/L)	< 30	< 3
1,2-Dibromoethane (ug/L)	< 20	< 2
1,2-Dichlorobenzene (ug/L)	< 10	< 1
1,2-Dichloroethane (ug/L)	< 10	< 1
1,2-Dichloropropane (ug/L)	< 10	< 1
1,3,5-Trimethylbenzene (ug/L)	2900	479.12
1,3-Dichlorobenzene (ug/L)	< 10	< 1
1,3-Dichloropropane (ug/L)	< 10	< 1
1,4-Dichlorobenzene (ug/L)	< 10	< 1
2,2-Dichloropropane (ug/L)	< 10	< 1
2-Chlorotoluene (ug/L)	< 10	< 1
4-Chlorotoluene (ug/L)	< 10	< 1
Benzene (ug/L)	< 10	< 1
Bromobenzene (ug/L)	< 10	< 1
Bromochloromethane (ug/L)	< 10	< 1
Bromodichloromethane (ug/L)	< 10	< 1
Bromoform (ug/L)	< 10	< 1
Bromomethane (ug/L)	< 20	< 2
Carbon tetrachloride (ug/L)	< 10	< 1
Chlorobenzene (ug/L)	< 10	< 1
Chlorodibromomethane (ug/L)	< 10	< 1
Chloroethane (ug/L)	< 20	< 2
Chloroform (ug/L)	< 10	7.475
Chloromethane (ug/L)	< 20	< 2
Dibromomethane (ug/L)	< 10	< 1
Dichlorodifluoromethane (ug/L)	< 20	< 2
Ethylbenzene (ug/L)	64	< 100
Hexachlorobutadiene (ug/L)	< 10	< 1
Isopropylbenzene (ug/L)	200	< 100
Methylene chloride (ug/L)	< 30	< 3
Naphthalene (ug/L)	150	174.17
Styrene (ug/L)	< 10	< 100

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W06R

2

Parameter	12/28/93	07/10/96
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Tetrachloroethene (ug/L)	< 10	< 100
Toluene (ug/L)	15	< 1
Trichloroethene (ug/L)	< 10	11.175
Trichlorofluoromethane (ug/L)	< 10	< 1
Vinyl chloride (ug/L)	< 10	< 1
cis-1,2-Dichloroethene (ug/L)	< 10	< 1
cis-1,3-Dichloropropene (ug/L)	< 10	< 1
m + p-Xylene (ug/L)	180	< 200
n-Butylbenzene (ug/L)	2400	212.83
n-Propylbenzene (ug/L)	380	111.85
o-Xylene (ug/L)	490	242.66
p-Isopropyltoluene (ug/L)	200	122.12
sec-Butylbenzene (ug/L)	190	148.44
tert-Butylbenzene (ug/L)	260	< 100
trans-1,2-Dichloroethene (ug/L)	< 10	< 1
trans-1,3-Dichloropropene (ug/L)	< 10	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

1

Parameter	02/20/92	06/14/92	09/17/92	12/19/92	03/23/93	06/28/93	12/27/93	06/21/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					< 1	< 1	< 1	< 1	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 10	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 10	< 10	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)		< 10	< 100	< 10					
Acetone (ug/L)	< 10	< 10	1980	< 10					
Benzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)					< 1	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1
Bromomethane (ug/L)	< 10	< 10	< 100	< 10	< 2		< 2	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 5	< 50	< 5					
Carbon tetrachloride (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	14	8.76	< 50	< 5	1.8	1.6	< 1	1.3	< 1
Chloromethane (ug/L)	< 10	< 10	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

2

Parameter	07/08/96
1.1.1.2-Tetrachloroethane (ug/L)	< 1
1.1.1-Trichloroethane (ug/L)	< 1
1.1.2.2-Tetrachloroethane (ug/L)	< 1
1.1.2-Trichloroethane (ug/L)	< 1
1.1-Dichloroethane (ug/L)	< 1
1.1-Dichloroethene (ug/L)	< 1
1.1-Dichloropropene (ug/L)	< 1
1.2.3-Trichlorobenzene (ug/L)	< 1
1.2.3-Trichloropropane (ug/L)	< 1
1.2.4-Trichlorobenzene (ug/L)	< 1
1.2.4-Trimethylbenzene (ug/L)	< 1
1.2-Dibromo-3-chloropropane (ug/L)	< 3
1.2-Dibromoethane (ug/L)	< 2
1.2-Dichlorobenzene (ug/L)	< 1
1.2-Dichloroethane (ug/L)	< 1
1.2-Dichloropropane (ug/L)	< 1
1.3.5-Trimethylbenzene (ug/L)	< 1
1.3-Dichlorobenzene (ug/L)	< 1
1.3-Dichloropropane (ug/L)	< 1
1.4-Dichlorobenzene (ug/L)	< 1
2.2-Dichloropropane (ug/L)	< 1
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 1
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 1
Bromobenzene (ug/L)	< 1
Bromochloromethane (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Bromoform (ug/L)	< 1
Bromomethane (ug/L)	< 2
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	< 1
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

3

Parameter	02/20/92	06/14/92	09/17/92	12/19/92	03/23/93	06/28/93	12/27/93	06/21/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 2	< 2	< 2	< 2	
Ethylbenzene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)					< 1	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					< 1	< 1	< 1	< 1	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	< 5	1210	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 11	< 10	< 10	< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)		6.24	< 50	< 5	< 1		< 1	< 1	
Tetrachloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)					< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)		< 10	< 100	< 10					
Vinyl chloride (ug/L)	< 10	< 10	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)		< 5	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1
m + p-Xylene (ug/L)					< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)					< 1	< 1	< 1	< 1	
n-Propylbenzene (ug/L)					< 1	< 1	< 1	< 1	
o-Xylene (ug/L)					< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)					< 1	< 1	< 1	< 1	
sec-Butylbenzene (ug/L)					< 1	< 1	< 1	< 1	
tert-Butylbenzene (ug/L)					< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethene (ug/L)	< 5	< 5	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 5	< 1		< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W08

4

Parameter	07/08/96
Dichlorodifluoromethane (ug/L)	< 2
Ethylbenzene (ug/L)	< 1
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	< 1
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	< 1
Styrene (ug/L)	< 1
Tetrachloroethene (ug/L)	< 1
Toluene (ug/L)	< 1
Trichloroethene (ug/L)	< 1
Trichlorofluoromethane (ug/L)	< 1
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 1
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 1
cis-1,3-Dichloropropene (ug/L)	< 1
m + p-Xylene (ug/L)	< 2
n-Butylbenzene (ug/L)	< 1
n-Propylbenzene (ug/L)	< 1
o-Xylene (ug/L)	< 1
p-Isopropyltoluene (ug/L)	< 1
sec-Butylbenzene (ug/L)	< 1
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1
trans-1,3-Dichloropropene (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W09

1

Parameter	06/18/92	12/17/92	06/28/93	12/28/93	06/22/94	07/05/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	1.3		1.758
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	2.2	< 1	< 1	1.652
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W09

2

Parameter	06/18/92	12/17/92	06/28/93	12/28/93	06/22/94	07/05/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	3.1	< 1	3.987
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			2.5	5.7	5.6		10.883
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)			< 1	< 1	2.2	< 1	3.067
Styrene (ug/L)	< 50	< 5	< 1	< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	1.3	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			2.9	1.6	1.8		3.751
n-Propylbenzene (ug/L)			1.7	< 1	3.2		7.79
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	1.054
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			2	9.4	7.7		8.383
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		1.005
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10A

1

Parameter	07/08/92	12/18/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 10
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	11	< 10
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloropropene (ug/L)				< 1	< 1		< 10
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 10
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 10
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 10
1,2,4-Trimethylbenzene (ug/L)			500	900	700		524.84
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 30
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 20
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,3,5-Trimethylbenzene (ug/L)			170	140	60		27.746
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 10
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 10
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 100	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 10
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 10
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	122	< 10					
Benzene (ug/L)	< 50	< 5	3.3	5.2	5	< 10	< 10
Bromobenzene (ug/L)			< 1	< 1	< 1		< 10
Bromochloromethane (ug/L)				< 1	< 1		< 10
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	41	< 10
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 20	< 20
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 20	< 20
Chloroform (ug/L)	< 50	< 5	1.4	< 1	1.7	< 10	< 10
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 20	< 20
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 10

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10A

2

Parameter	07/08/92	12/18/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 20
Ethylbenzene (ug/L)	< .006	35.2	20	38	33	40	34.616
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 10
Isopropylbenzene (ug/L)			23	41	39		< 10
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	1370	< 10	< 3	< 3	< 3	< 30	< 30
Naphthalene (ug/L)	20.9	62.6	70	100	12	110	79.385
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 10
Tetrachloroethene (ug/L)	< 50	< 5	< 1	3.6	2.8	< 10	< 10
Toluene (ug/L)	< 50	11.3	8.9	12	10	57	< 10
Trichloroethene (ug/L)	< 50	31.5	22	30	25	20	25.604
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 10	< 10
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 10	< 10
Xylenes, Total (ug/L)		252					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 10	< 10
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10
m + p-Xylene (ug/L)			65	61	16	300	92.122
n-Butylbenzene (ug/L)			110	58	85		71.212
n-Propylbenzene (ug/L)			38	57	< 1		63.515
o-Xylene (ug/L)			180	200	210	350	172.776
p-Isopropyltoluene (ug/L)			< 1	< 1	3.4		< 10
sec-Butylbenzene (ug/L)			14	24	< 1		< 10
tert-Butylbenzene (ug/L)			< 1	< 1	250		< 10
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10B

1

Parameter	07/08/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/09/96
1.1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1.1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.1-Dichloropropene (ug/L)				< 1	< 1		< 1
1.2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1.2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1.2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1.2,4-Trimethylbenzene (ug/L)			< 1	1.8	< 1		1.027
1.2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1.2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1.2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1.2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1.3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1.3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1.3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1.4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2.2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W10B

2

Parameter	07/08/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	694	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W11

1

Parameter	06/18/92	12/17/92	06/30/93	12/28/93	06/21/94	07/05/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	2.141
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	17	15	34.729
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W11

2

Parameter	06/18/92	12/17/92	06/30/93	12/28/93	06/21/94	07/05/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	1.4	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	1.3	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)		< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W12

1

Parameter	06/18/92	12/17/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		2.136
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W12

2

Parameter	06/18/92	12/17/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	22.4	7.6	8.1	4.2	5.3	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W13

1

Parameter	06/22/92	12/19/92	06/30/93	12/27/93	06/22/94	07/06/95	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			3.2	< 1	1.4		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			1.8	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W13

2

Parameter	06/22/92	12/19/92	06/30/93	12/27/93	06/22/94	07/06/95	07/10/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	1.4	6.6	4.4	1.2	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	1.5	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	10.6	2.3	4.9	3.4	4.6	1.98
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			2.6	< 1	< 1		< 1
n-Propylbenzene (ug/L)			1.7	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	1.5	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W14

1

Parameter	06/24/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 100	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	13.3					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	30	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 10	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 10	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 20	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 20	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W14

2

Parameter	06/24/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	33	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 30	< 3
Naphthalene (ug/L)			< 1	< 1	< 1	110	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	2	1.8	1.4	< 10	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	41	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 10	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 10	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 10	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	120	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	200	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W16

1

Parameter	06/16/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	18.3					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	2.957
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	2.1	48.947
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W16

2

Parameter	06/16/92	12/18/92	06/29/93	12/28/93	06/21/94	07/06/95	07/08/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)			< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	1.3	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

1

Parameter	02/25/92	07/08/92	09/17/92	12/17/92	03/23/93	06/29/93	12/28/93	06/22/94	07/05/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	1.3
1,1,2-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					600	330	600	480	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					3.4	28	11	10	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 100	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 10	< 100	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100	< 100	< 10					
Acetone (ug/L)	< 10	< 100	1950	25					
Benzene (ug/L)	< 5	< 50	< 50	< 5	2.1	1.7	3.2	2.3	< 1
Bromobenzene (ug/L)					< 1	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1
Bromomethane (ug/L)	< 10	< 100	< 100	< 10	< 2		< 2	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 50	< 50	< 5					
Carbon tetrachloride (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 10	< 100	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 10	< 100	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

2

Parameter	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)	< 1
1,1,1-Trichloroethane (ug/L)	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 1
1,1,2-Trichloroethane (ug/L)	< 1
1,1-Dichloroethane (ug/L)	< 1
1,1-Dichloroethene (ug/L)	< 1
1,1-Dichloropropene (ug/L)	< 1
1,2,3-Trichlorobenzene (ug/L)	< 1
1,2,3-Trichloropropane (ug/L)	< 1
1,2,4-Trichlorobenzene (ug/L)	< 1
1,2,4-Trimethylbenzene (ug/L)	204.055
1,2-Dibromo-3-chloropropane (ug/L)	< 3
1,2-Dibromoethane (ug/L)	< 2
1,2-Dichlorobenzene (ug/L)	< 1
1,2-Dichloroethane (ug/L)	< 1
1,2-Dichloropropane (ug/L)	< 1
1,3,5-Trimethylbenzene (ug/L)	5.366
1,3-Dichlorobenzene (ug/L)	< 1
1,3-Dichloropropane (ug/L)	< 1
1,4-Dichlorobenzene (ug/L)	< 1
2,2-Dichloropropane (ug/L)	< 1
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 1
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 1
Bromobenzene (ug/L)	< 1
Bromochloromethane (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Bromoform (ug/L)	< 1
Bromomethane (ug/L)	< 2
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	< 1
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

3

Parameter	02/25/92	07/08/92	09/17/92	12/17/92	03/23/93	06/29/93	12/28/93	06/22/94	07/05/95
Dichlorodifluoromethane (ug/L)					< 2	< 5	< 2	< 2	
Ethylbenzene (ug/L)	28	< 50	< 50	29.8	21	18	34	20	8.3
Hexachlorobutadiene (ug/L)					< 1	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					36	19	33	28	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	742	644	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	74	44	46.3	59.3	100	70	90	18	75
Styrene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	
Tetrachloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	2.5	2.2	< 1
Toluene (ug/L)	7	< 50	< 50	6.47	< 1	4.1	3.3	1.3	1.2
Trichloroethene (ug/L)	6.36	< 50	< 50	< 5	6.3	4.3	7.4	4.4	2.8
Trichlorofluoromethane (ug/L)					< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 10	< 100	< 100	< 10					
Vinyl chloride (ug/L)	< 10	< 100	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	230	123	122	195					
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1
m + p-Xylene (ug/L)					19	34	39	32	12
n-Butylbenzene (ug/L)					100	40	45	41	
n-Propylbenzene (ug/L)					33	30	54	40	
o-Xylene (ug/L)					160	120	170	16	29
p-Isopropyltoluene (ug/L)					< 1	5.7	< 1	1.8	
sec-Butylbenzene (ug/L)					28	14	21	21	
tert-Butylbenzene (ug/L)					< 1	< 1	< 1	180	
trans-1,2-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W18

4

Parameter	07/09/96
Dichlorodifluoromethane (ug/L)	< 2
Ethylbenzene (ug/L)	8.274
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	15.054
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	68.079
Styrene (ug/L)	< 1
Tetrachloroethene (ug/L)	1.336
Toluene (ug/L)	< 1
Trichloroethene (ug/L)	2.884
Trichlorofluoromethane (ug/L)	< 1
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 1
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 1
cis-1,3-Dichloropropene (ug/L)	< 1
m + p-Xylene (ug/L)	10.719
n-Butylbenzene (ug/L)	27.093
n-Propylbenzene (ug/L)	20.228
o-Xylene (ug/L)	34.527
p-Isopropyltoluene (ug/L)	< 1
sec-Butylbenzene (ug/L)	16.118
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1
trans-1,3-Dichloropropene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W19

1

Parameter	06/24/92	12/18/92	06/30/93	12/28/93	06/21/94	07/06/95	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 5
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,1-Dichloropropene (ug/L)				< 1	< 1		< 5
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 5
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 5
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 5
1,2,4-Trimethylbenzene (ug/L)			500	520	1200		72.986
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 15
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 10
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 20	< 5
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
1,3,5-Trimethylbenzene (ug/L)			200	200	420		10.411
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 20	< 5
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 5
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 20	< 5
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 5
2-Butanone (MEK) (ug/L)	< 100	21.8					
2-Chloroethyl vinyl ether (ug/L)						< 200	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 5
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 5
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	18.6					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	40	< 5
Bromobenzene (ug/L)			< 1	< 1	< 1		< 5
Bromochloromethane (ug/L)				< 1	< 1		< 5
Bromodichloromethane (ug/L)	< 50	< 5	1.4	< 1	< 1	30	< 5
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 20	< 5
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 40	< 10
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 40	< 10
Chloroform (ug/L)	< 50	10.6	50	41	55	< 20	35.777
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 40	< 10
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 5

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W19

2

Parameter	06/24/92	12/18/92	06/30/93	12/28/93	06/21/94	07/06/95	07/10/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 10
Ethylbenzene (ug/L)	< 50	6.07	4.9	8.5	21	77	< 5
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 5
Isopropylbenzene (ug/L)			41	22	90		6.095
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3.9	< 60	< 15
Naphthalene (ug/L)	21.2	21.9	28	31	60	140	6.487
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 5
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
Toluene (ug/L)	< 50	< 5	2	4.3	7.7	110	< 5
Trichloroethene (ug/L)	80.8	34.8	8.6	9.4	10	66	< 5
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 20	< 5
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 20	< 5
Xylenes, Total (ug/L)	151	120					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 20	< 5
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 20	< 5
m + p-Xylene (ug/L)			42	70	140	520	< 10
n-Butylbenzene (ug/L)			95	65	210		20.604
n-Propylbenzene (ug/L)			23	38	140		10.627
o-Xylene (ug/L)			90	100	300	560	8.799
p-Isopropyltoluene (ug/L)			< 1	22	75		9.425
sec-Butylbenzene (ug/L)			19	17	72		7.249
tert-Butylbenzene (ug/L)			< 1	21	90		< 5
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 20	< 5
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 20	< 5

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W21

1

Parameter	06/24/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/08/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	22.3					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W21

2

Parameter	06/24/92	12/18/92	06/29/93	12/28/93	06/22/94	07/06/95	07/08/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)			< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W22

1

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	06/22/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 10		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,1,2-Trichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,1-Dichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,1-Dichloroethene (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,1-Dichloropropene (ug/L)					< 10		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 10	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 10		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 10	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					1500	3.8	1500	1000	
1,2-Dibromo-3-chloropropane (ug/L)					< 30	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 20	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 10	< 1	< 1	< 1	< 20
1,2-Dichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,2-Dichloropropane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
1,3,5-Trimethylbenzene (ug/L)					310	2.9	360	220	
1,3-Dichlorobenzene (ug/L)					< 10	< 1	< 1	< 1	< 20
1,3-Dichloropropane (ug/L)					< 10	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 10	< 1	< 1	< 1	< 20
2,2-Dichloropropane (ug/L)					< 10	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 10	< 100	< 100					
2-Chloroethyl vinyl ether (ug/L)									< 200
2-Chlorotoluene (ug/L)					< 10	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 10	< 10	< 100	< 100					
4-Chlorotoluene (ug/L)					< 10	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 10	< 100	< 100					
Acetone (ug/L)	< 10	11.1	2120	< 100					
Benzene (ug/L)	31.8	26.1	< 50	< 50	42	< 1	34	21	< 20
Bromobenzene (ug/L)					< 10	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 10		< 1	< 1	
Bromodichloromethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
Bromoform (ug/L)	< 5	< 5	< 50	< 50	< 10		< 1	< 1	< 20
Bromomethane (ug/L)	< 10	< 10	< 100	< 100	< 20		< 2	< 2	< 40
Carbon disulfide (ug/L)	< 5	< 5	< 50	< 50					
Carbon tetrachloride (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
Chlorobenzene (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
Chlorodibromomethane (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
Chloroethane (ug/L)	< 10	< 10	< 100	< 100	< 20	< 2	< 2	< 2	< 40
Chloroform (ug/L)	7.14	6.55	< 50	< 50	< 10	< 1	2.6	< 1	< 20
Chloromethane (ug/L)	< 10	< 10	< 100	< 100	< 20	< 2	< 2	< 2	< 40
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 10		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W22

2

Parameter	07/10/96
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1,1,1,2-Tetrachloroethane (ug/L)	< 5
1,1,1-Trichloroethane (ug/L)	< 5
1,1,2,2-Tetrachloroethane (ug/L)	< 5
1,1,2-Trichloroethane (ug/L)	< 5
1,1-Dichloroethane (ug/L)	< 5
1,1-Dichloroethene (ug/L)	< 5
1,1-Dichloropropene (ug/L)	< 5
1,2,3-Trichlorobenzene (ug/L)	< 5
1,2,3-Trichloropropane (ug/L)	< 5
1,2,4-Trichlorobenzene (ug/L)	< 5
1,2,4-Trimethylbenzene (ug/L)	121.088
1,2-Dibromo-3-chloropropane (ug/L)	< 15
1,2-Dibromoethane (ug/L)	< 10
1,2-Dichlorobenzene (ug/L)	< 5
1,2-Dichloroethane (ug/L)	< 5
1,2-Dichloropropane (ug/L)	< 5
1,3,5-Trimethylbenzene (ug/L)	22.769
1,3-Dichlorobenzene (ug/L)	< 5
1,3-Dichloropropane (ug/L)	< 5
1,4-Dichlorobenzene (ug/L)	< 5
2,2-Dichloropropane (ug/L)	< 5
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 5
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 5
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	6.794
Bromobenzene (ug/L)	< 5
Bromochloromethane (ug/L)	< 5
Bromodichloromethane (ug/L)	< 5
Bromoform (ug/L)	< 5
Bromomethane (ug/L)	< 10
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 5
Chlorobenzene (ug/L)	< 5
Chlorodibromomethane (ug/L)	< 5
Chloroethane (ug/L)	< 10
Chloroform (ug/L)	< 5
Chloromethane (ug/L)	< 10
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 5

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W22

3

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/28/93	06/22/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 20	< 2	< 2	< 2	
Ethylbenzene (ug/L)	111	91.6	< 50	86.7	110	< 1	77	60	28
Hexachlorobutadiene (ug/L)					< 10	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					100	3.3	63	50	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	< 5	946	142	< 30	< 3	< 3	< 3	< 60
Naphthalene (ug/L)	207	122	< 10	108	260	< 1	140	110	130
Styrene (ug/L)	< 5	< 5	< 50	< 50	< 10		< 1	< 25	
Tetrachloroethene (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	3.9	4	< 20
Toluene (ug/L)	111	100	< 50	114	140	< 1	90	55	< 20
Trichloroethene (ug/L)	71.8	72	< 50	92	85	< 1	71	28	< 20
Trichlorofluoromethane (ug/L)					< 10	< 1	< 1	< 1	< 20
Vinyl acetate (ug/L)	< 10	< 10	< 100	< 100					
Vinyl chloride (ug/L)	< 10	< 10	< 100	< 100	< 10	< 1	< 1	< 1	< 20
Xylenes, Total (ug/L)	713	472	< 50	871					
cis-1,2-Dichloroethene (ug/L)					< 10	< 1	1.4	< 1	< 20
cis-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 50	< 10		< 1	< 1	< 20
m + p-Xylene (ug/L)					700	< 2	440	350	110
n-Butylbenzene (ug/L)					210	2.1	73	100	
n-Propylbenzene (ug/L)					120	1.6	120	120	
o-Xylene (ug/L)					640	2.3	590	400	260
p-Isopropyltoluene (ug/L)					< 10	< 1	28	58	
sec-Butylbenzene (ug/L)					43	< 1	29	58	
tert-Butylbenzene (ug/L)					< 10	< 1	< 1	350	
trans-1,2-Dichloroethene (ug/L)	< 5	< 5	< 50	< 50	< 10	< 1	< 1	< 1	< 20
trans-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 50	< 10		< 1	< 1	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W22

4

Parameter	07/10/96
Dichlorodifluoromethane (ug/L)	< 10
Ethylbenzene (ug/L)	10.119
Hexachlorobutadiene (ug/L)	< 5
Isopropylbenzene (ug/L)	15.304
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 15
Naphthalene (ug/L)	69.863
Styrene (ug/L)	< 5
Tetrachloroethene (ug/L)	< 5
Toluene (ug/L)	5.508
Trichloroethene (ug/L)	14.754
Trichlorofluoromethane (ug/L)	< 5
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 5
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 5
cis-1,3-Dichloropropene (ug/L)	< 5
m + p-Xylene (ug/L)	22.349
n-Butylbenzene (ug/L)	47.917
n-Propylbenzene (ug/L)	25.073
o-Xylene (ug/L)	61.002
p-Isopropyltoluene (ug/L)	12.97
sec-Butylbenzene (ug/L)	18.723
tert-Butylbenzene (ug/L)	< 5
trans-1,2-Dichloroethene (ug/L)	< 5
trans-1,3-Dichloropropene (ug/L)	< 5

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W25

1

Parameter	02/19/92	07/29/92	09/17/92	12/17/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					8.8	5.2	5.2	47	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					2.6	3.7	< 1	12	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 100	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
2-Hexanone (ug/L)	< 10	< 100	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100	< 100	< 10					
Acetone (ug/L)	< 10	< 100	108	13.1					
Benzene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)					< 1	< 1	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 5	< 50	< 50	< 5	5.4	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1
Bromomethane (ug/L)	< 10	< 100	< 100	< 10	< 2		< 2	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 50	< 50	< 5					
Carbon tetrachloride (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 10	< 100	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 5	< 50	< 50	< 5	2.3	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 10	< 100	< 100	< 10	< 2	< 2	< 2	< 2	< 10
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W25

2

Parameter	02/19/92	07/29/92	09/17/92	12/17/92	03/23/93	06/28/93	12/28/93	06/21/94	07/05/95
Dichlorodifluoromethane (ug/L)					< 2	< 2	< 2	< 2	
Ethylbenzene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	3.4	2.1
Hexachlorobutadiene (ug/L)					< 1	< 1	< 1	< 1	
Isopropylbenzene (ug/L)					4.2	6.3	< 1	16	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	< 50	128	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	28	< 10	< 10	< 10	3.2	< 1	< 1	19	30
Styrene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	
Tetrachloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	1.1	1.2
Trichloroethene (ug/L)	221	< 50	< 50	41.3	380	11	130	95	51
Trichlorofluoromethane (ug/L)					< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 10	< 100	< 100	< 10					
Vinyl chloride (ug/L)	< 10	< 100	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	62	< 50	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)					44	< 1	17	3	< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1
m + p-Xylene (ug/L)					< 2	< 2	< 2	16	8.4
n-Butylbenzene (ug/L)					6.8	3.8	2	6	
n-Propylbenzene (ug/L)					< 1	2.1	< 1	11	
o-Xylene (ug/L)					3.1	2.4	1.6	100	29
p-Isopropyltoluene (ug/L)					< 1	< 1	< 1	< 1	
sec-Butylbenzene (ug/L)					1.9	2.6	< 1	9.3	
tert-Butylbenzene (ug/L)					< 1	< 1	< 1	< 1	
trans-1,2-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 1		< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

1

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/27/93	06/22/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 5	< 1	
1,1,1-Trichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	1.5
1,1,2-Trichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,1-Dichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,1-Dichloroethene (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,1-Dichloropropene (ug/L)					< 1		< 5	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 1	< 5	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 5	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 1	< 5	< 1	
1,2,4-Trimethylbenzene (ug/L)					960	550	600	500	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 3	< 15	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 2	< 10	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 1	< 5	< 1	< 1
1,2-Dichloroethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,2-Dichloropropane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)					340	160	80	88	
1,3-Dichlorobenzene (ug/L)					< 1	< 1	< 5	< 1	< 1
1,3-Dichloropropane (ug/L)					< 1	< 1	< 5	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 1	< 5	< 1	< 1
2,2-Dichloropropane (ug/L)					< 1	< 1	< 5	< 1	
2-Butanone (MEK) (ug/L)	< 10	< 10	< 100	< 100					
2-Chloroethyl vinyl ether (ug/L)									< 10
2-Chlorotoluene (ug/L)					< 1	< 1	< 5	< 1	
2-Hexanone (ug/L)	< 10	< 10	< 100	< 100					
4-Chlorotoluene (ug/L)					< 1	< 1	< 5	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 10	< 100	< 100					
Acetone (ug/L)	< 10	10.5	< 100	< 100					
Benzene (ug/L)	20	27.5	< 50	< 50	24	18	25	13	34
Bromobenzene (ug/L)					< 1	< 1	< 5	< 1	
Bromochloromethane (ug/L)					< 1		< 5	< 1	
Bromodichloromethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
Bromoform (ug/L)	< 5	< 5	< 50	< 50	< 1		< 5	< 1	< 1
Bromomethane (ug/L)	< 10	< 10	< 100	< 100	< 2		< 10	< 2	< 2
Carbon disulfide (ug/L)	< 5	< 5	< 50	< 50					
Carbon tetrachloride (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
Chlorobenzene (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	1.1
Chlorodibromomethane (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
Chloroethane (ug/L)	< 10	< 10	< 100	< 100	< 2	< 2	< 10	< 2	< 2
Chloroform (ug/L)	18.1	12.7	< 50	< 50	7.2	4.4	< 5	2.6	< 1
Chloromethane (ug/L)	< 10	< 10	< 100	< 100	< 2	< 2	< 10	< 2	7.9
Di-isopropyl ether (ug/L)						< 1			
Dibromomethane (ug/L)					< 1		< 5	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

2

Parameter	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)	< 1
1,1,1-Trichloroethane (ug/L)	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 1
1,1,2-Trichloroethane (ug/L)	< 1
1,1-Dichloroethane (ug/L)	< 1
1,1-Dichloroethene (ug/L)	< 1
1,1-Dichloropropene (ug/L)	< 1
1,2,3-Trichlorobenzene (ug/L)	< 1
1,2,3-Trichloropropane (ug/L)	< 1
1,2,4-Trichlorobenzene (ug/L)	< 1
1,2,4-Trimethylbenzene (ug/L)	80.817
1,2-Dibromo-3-chloropropane (ug/L)	< 3
1,2-Dibromoethane (ug/L)	< 2
1,2-Dichlorobenzene (ug/L)	< 1
1,2-Dichloroethane (ug/L)	< 1
1,2-Dichloropropane (ug/L)	< 1
1,3,5-Trimethylbenzene (ug/L)	6.349
1,3-Dichlorobenzene (ug/L)	< 1
1,3-Dichloropropane (ug/L)	< 1
1,4-Dichlorobenzene (ug/L)	< 1
2,2-Dichloropropane (ug/L)	< 1
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 1
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	2.8
Bromobenzene (ug/L)	< 5
Bromochloromethane (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Bromoform (ug/L)	< 1
Bromomethane (ug/L)	< 2
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	< 1
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

3

Parameter	02/25/92	06/14/92	09/17/92	12/18/92	03/24/93	06/30/93	12/27/93	06/22/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 2	< 2	< 10	< 2	
Ethylbenzene (ug/L)	30.7	79.3	54.5	< 50	49	31	42	27	58
Hexachlorobutadiene (ug/L)					< 1	< 1	< 5	< 1	
Isopropylbenzene (ug/L)					58	26	32	22	
Methyl tert-butyl ether (ug/L)						< 1			
Methylene chloride (ug/L)	< 5	< 5	82.7	103	< 3	< 3	< 15	< 3	< 3
Naphthalene (ug/L)	150	38.5	84.9	55.2	150	70	75	80	89
Styrene (ug/L)	< 5	< 5	< 50	< 50	< 1		< 5	< 25	
Tetrachloroethene (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	1.5	1.4
Toluene (ug/L)	46.9	102	107	77.5	85	45	65	42	87
Trichloroethene (ug/L)	48.5	72.7	56.8	63.3	60	35	38	20	26
Trichlorofluoromethane (ug/L)					< 1	< 1	< 5	< 1	< 1
Vinyl acetate (ug/L)	< 10	< 10	< 100	< 100					
Vinyl chloride (ug/L)	< 10	< 10	< 100	< 100	< 1	< 1	< 5	< 1	< 1
Xylenes, Total (ug/L)	298	569	993	523					
cis-1,2-Dichloroethene (ug/L)					< 1	< 1	< 5	< 1	2.2
cis-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 50	< 1		< 5	< 1	< 1
m + p-Xylene (ug/L)					280	190	220	170	49
n-Butylbenzene (ug/L)					190	65	21	26	
n-Propylbenzene (ug/L)					58	46	55	39	
o-Xylene (ug/L)					460	260	300	220	83
p-Isopropyltoluene (ug/L)					< 1	21	12	< 1	
sec-Butylbenzene (ug/L)					27	12	15	13	
tert-Butylbenzene (ug/L)					< 1	< 1	< 5	< 25	
trans-1,2-Dichloroethene (ug/L)	< 5	< 5	< 50	< 50	< 1	< 1	< 5	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 5	< 50	< 50	< 1		< 5	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W26

4

Parameter	07/09/96
Dichlorodifluoromethane (ug/L)	< 2
Ethylbenzene (ug/L)	5.121
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	5
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	18.375
Styrene (ug/L)	< 1
Tetrachloroethene (ug/L)	< 1
Toluene (ug/L)	4.083
Trichloroethene (ug/L)	9.093
Trichlorofluoromethane (ug/L)	< 1
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 1
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 1
cis-1,3-Dichloropropene (ug/L)	< 1
m + p-Xylene (ug/L)	29.361
n-Butylbenzene (ug/L)	8.283
n-Propylbenzene (ug/L)	8.482
o-Xylene (ug/L)	36.296
p-Isopropyltoluene (ug/L)	4.4
sec-Butylbenzene (ug/L)	3.544
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1
trans-1,3-Dichloropropene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W27

1

Parameter	06/24/92	12/17/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 10
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,1-Dichloropropene (ug/L)				< 1	< 1		< 10
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 10
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 10
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 10
1,2,4-Trimethylbenzene (ug/L)			190	1100	540		387.89
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 30
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 20
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
1,3,5-Trimethylbenzene (ug/L)			95	230	130		86.512
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 10
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 10	< 10
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 10
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 100	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 10
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 10
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	20.1					
Benzene (ug/L)	< 50	12.9	2.4	11	7.5	39	< 10
Bromobenzene (ug/L)			< 1	< 1	< 1		< 10
Bromochloromethane (ug/L)				< 1	< 1		< 10
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	31	< 10
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 20	< 20
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 20	< 20
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
Chloromethane (ug/L)	< 100	35.1	< 10	< 2	< 2	48	< 20
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 10

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W27

2

Parameter	06/24/92	12/17/92	06/30/93	12/28/93	06/22/94	07/06/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 25	< 2	< 2		< 20
Ethylbenzene (ug/L)	< 50	35.4	4.8	40	32	71	< 10
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 10
Isopropylbenzene (ug/L)			6.4	36	31		15.65
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	11	< 3	< 3	< 3	< 30	< 30
Naphthalene (ug/L)	67.3	89.8	42	120	10	150	50.976
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 10
Tetrachloroethene (ug/L)	< 50	< 5	< 1	3.2	2.8	< 10	< 10
Toluene (ug/L)	< 50	63.9	8.9	71	36	100	< 10
Trichloroethene (ug/L)	< 50	20.8	4.4	17	12	61	< 10
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 10	< 10
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 10	< 10
Xylenes, Total (ug/L)	304	620					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 10	< 10
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10
m + p-Xylene (ug/L)			36	300	240	480	42.639
n-Butylbenzene (ug/L)			34	86	77		64.466
n-Propylbenzene (ug/L)			8.8	63	46		23.708
o-Xylene (ug/L)			200	380	300	510	93.45
p-Isopropyltoluene (ug/L)			< 1	17	< 1		20.275
sec-Butylbenzene (ug/L)			5.2	17	18		16.829
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 10
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 10	< 10
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 10	< 10

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W28

1

Parameter	07/08/92	12/17/92	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	7	15		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	1.4	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W28

2

Parameter	07/08/92	12/17/92	06/29/93	12/28/93	06/22/94	07/05/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	786	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	< 1	2.5	4.2	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	1.3	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	11.4	7	5.5	4.5	6.5	4.85
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	1.6		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W29

1

Parameter	06/25/92	12/18/92	06/30/93	12/28/93	06/22/94	07/05/95	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	10	4.8		126.828
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	13.6					
Benzene (ug/L)	< 50	< 5	< 1	1.5	< 1	2.3	2.939
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W29

2

Parameter	06/25/92	12/18/92	06/30/93	12/28/93	06/22/94	07/05/95	07/09/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	1.2	3.902
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	1.7	< 1		8.724
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)	< 10	< 10	< 1	1.6	< 1	2.3	16.176
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	13.5	3.4	10	3.1	20	34.444
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	1.375
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	6.527
n-Butylbenzene (ug/L)			< 1	1.4	< 1		8.422
n-Propylbenzene (ug/L)			< 1	1.7	< 1		11.196
o-Xylene (ug/L)			< 1	3.7	< 1	6.5	40.164
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		5.862
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W32

1

Parameter	06/24/92	12/19/92	06/29/93	12/28/93	06/22/94	07/05/95	07/08/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1	< 1		< 1
1,1,1-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene (ug/L)				< 1	< 1		< 1
1,2,3-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,3-Trichloropropane (ug/L)				< 1	< 1		< 1
1,2,4-Trichlorobenzene (ug/L)			< 1	< 1	< 1		< 1
1,2,4-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 3	< 3		< 3
1,2-Dibromoethane (ug/L)			< 2	< 2	< 2		< 2
1,2-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene (ug/L)			< 1	< 1	< 1		< 1
1,3-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
1,4-Dichlorobenzene (ug/L)			< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane (ug/L)			< 1	< 1	< 1		< 1
2-Butanone (MEK) (ug/L)	< 100	< 10					
2-Chloroethyl vinyl ether (ug/L)						< 10	
2-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
2-Hexanone (ug/L)	< 100	< 10					
4-Chlorotoluene (ug/L)			< 1	< 1	< 1		< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 10					
Acetone (ug/L)	< 100	< 10					
Benzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromobenzene (ug/L)			< 1	< 1	< 1		< 1
Bromochloromethane (ug/L)				< 1	< 1		< 1
Bromodichloromethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Bromoform (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
Bromomethane (ug/L)	< 100	< 10		< 2	< 2	< 2	< 2
Carbon disulfide (ug/L)	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorobenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloroethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Chloroform (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Chloromethane (ug/L)	< 100	< 10	< 2	< 2	< 2	< 2	< 2
Di-isopropyl ether (ug/L)			< 1				
Dibromomethane (ug/L)				< 1	< 1		< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W32

2

Parameter	06/24/92	12/19/92	06/29/93	12/28/93	06/22/94	07/05/95	07/08/96
Dichlorodifluoromethane (ug/L)			< 2	< 2	< 2		< 2
Ethylbenzene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene (ug/L)			< 1	< 1	< 1		< 1
Isopropylbenzene (ug/L)			< 1	< 1	< 1		< 1
Methyl tert-butyl ether (ug/L)			< 1				
Methylene chloride (ug/L)	< 50	< 10	< 3	< 3	< 3	< 3	< 3
Naphthalene (ug/L)			< 1	< 1	< 1	< 1	< 1
Styrene (ug/L)	< 50	< 5		< 1	< 1		< 1
Tetrachloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Toluene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane (ug/L)			< 1	< 1	< 1	< 1	< 1
Vinyl acetate (ug/L)	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 10	< 1	< 1	< 1	< 1	< 1
Xylenes, Total (ug/L)	< 50	< 5					
cis-1,2-Dichloroethene (ug/L)			< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1
m + p-Xylene (ug/L)			< 2	< 2	< 2	< 2	< 2
n-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
n-Propylbenzene (ug/L)			< 1	< 1	< 1		< 1
o-Xylene (ug/L)			< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene (ug/L)			< 1	< 1	< 1		< 1
sec-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
tert-Butylbenzene (ug/L)			< 1	< 1	< 1		< 1
trans-1,2-Dichloroethene (ug/L)	< 50	< 5	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene (ug/L)	< 50	< 5		< 1	< 1	< 1	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W33

1

Parameter	06/30/93	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)		< 1
1,1,1-Trichloroethane (ug/L)	< 20	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 20	< 1
1,1,2-Trichloroethane (ug/L)	< 20	< 1
1,1-Dichloroethane (ug/L)	< 20	< 1
1,1-Dichloroethene (ug/L)	< 20	< 1
1,1-Dichloropropene (ug/L)		< 1
1,2,3-Trichlorobenzene (ug/L)	< 20	< 1
1,2,3-Trichloropropane (ug/L)		< 1
1,2,4-Trichlorobenzene (ug/L)	< 20	< 1
1,2,4-Trimethylbenzene (ug/L)	3700	2318.91
1,2-Dibromo-3-chloropropane (ug/L)	< 60	< 3
1,2-Dibromoethane (ug/L)	< 40	< 2
1,2-Dichlorobenzene (ug/L)	< 20	< 1
1,2-Dichloroethane (ug/L)	< 20	< 1
1,2-Dichloropropane (ug/L)	< 20	< 1
1,3,5-Trimethylbenzene (ug/L)	880	694.41
1,3-Dichlorobenzene (ug/L)	< 20	< 1
1,3-Dichloropropane (ug/L)	< 20	< 1
1,4-Dichlorobenzene (ug/L)	< 20	< 1
2,2-Dichloropropane (ug/L)	< 20	< 1
2-Chlorotoluene (ug/L)	< 20	< 1
4-Chlorotoluene (ug/L)	< 20	< 1
Benzene (ug/L)	56	2.288
Bromobenzene (ug/L)	< 20	< 1
Bromochloromethane (ug/L)		< 1
Bromodichloromethane (ug/L)	< 20	< 1
Bromoform (ug/L)		< 1
Bromomethane (ug/L)		< 2
Carbon tetrachloride (ug/L)	< 20	< 1
Chlorobenzene (ug/L)	< 20	< 1
Chlorodibromomethane (ug/L)	< 20	< 1
Chloroethane (ug/L)	< 40	< 2
Chloroform (ug/L)	< 20	44.288
Chloromethane (ug/L)	< 40	< 2
Di-isopropyl ether (ug/L)	< 20	
Dibromomethane (ug/L)		< 1
Dichlorodifluoromethane (ug/L)	< 200	< 2
Ethylbenzene (ug/L)	100	< 100
Hexachlorobutadiene (ug/L)	< 20	< 1
Isopropylbenzene (ug/L)	190	223.84
Methyl tert-butyl ether (ug/L)	< 20	
Methylene chloride (ug/L)	< 60	< 3

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W33

2

Parameter	06/30/93	07/09/96
Naphthalene (ug/L)	190	199.06
Styrene (ug/L)		172.61
Tetrachloroethene (ug/L)	< 20	< 100
Toluene (ug/L)	240	36.653
Trichloroethene (ug/L)	32	9.112
Trichlorofluoromethane (ug/L)	< 20	< 1
Vinyl chloride (ug/L)	< 20	< 1
cis-1,2-Dichloroethene (ug/L)	< 20	< 1
cis-1,3-Dichloropropene (ug/L)		< 1
m + p-Xylene (ug/L)	800	318.69
n-Butylbenzene (ug/L)	380	549.8
n-Propylbenzene (ug/L)	260	374.99
o-Xylene (ug/L)	920	492.88
p-Isopropyltoluene (ug/L)	< 20	224.2
sec-Butylbenzene (ug/L)	72	240.49
tert-Butylbenzene (ug/L)	< 20	856.4
trans-1,2-Dichloroethene (ug/L)	< 20	< 1
trans-1,3-Dichloropropene (ug/L)		< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W36

1

Parameter	02/20/92	08/03/92	09/17/92	07/10/96
1,1,1,2-Tetrachloroethane (ug/L)				< 1
1,1,1-Trichloroethane (ug/L)	< 5	< 50	< 50	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50	< 50	< 1
1,1,2-Trichloroethane (ug/L)	< 5	< 50	< 50	< 1
1,1-Dichloroethane (ug/L)	< 5	< 50	< 50	< 1
1,1-Dichloroethene (ug/L)	< 5	< 50	< 50	< 1
1,1-Dichloropropene (ug/L)				< 1
1,2,3-Trichlorobenzene (ug/L)				< 1
1,2,3-Trichloropropane (ug/L)				< 1
1,2,4-Trichlorobenzene (ug/L)				< 1
1,2,4-Trimethylbenzene (ug/L)				637.52
1,2-Dibromo-3-chloropropane (ug/L)				< 3
1,2-Dibromoethane (ug/L)				< 2
1,2-Dichlorobenzene (ug/L)				< 1
1,2-Dichloroethane (ug/L)	< 5	< 50	< 50	< 1
1,2-Dichloropropane (ug/L)	< 5	< 50	< 50	< 1
1,3,5-Trimethylbenzene (ug/L)				122.17
1,3-Dichlorobenzene (ug/L)				< 1
1,3-Dichloropropane (ug/L)				< 1
1,4-Dichlorobenzene (ug/L)				< 1
2,2-Dichloropropane (ug/L)				< 1
2-Butanone (MEK) (ug/L)	< 10	< 100	< 100	
2-Chlorotoluene (ug/L)				< 1
2-Hexanone (ug/L)	< 10	< 100	< 100	
4-Chlorotoluene (ug/L)				< 1
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100	< 100	
Acetone (ug/L)	< 10	< 100	< 100	
Benzene (ug/L)	7	< 50	< 50	< 1
Bromobenzene (ug/L)				< 1
Bromochloromethane (ug/L)				< 1
Bromodichloromethane (ug/L)	< 5	< 50	< 50	< 1
Bromoform (ug/L)	< 5	< 50	< 50	< 1
Bromomethane (ug/L)	< 10	< 100	< 100	< 2
Carbon disulfide (ug/L)	< 5	< 50	< 50	
Carbon tetrachloride (ug/L)	< 5	< 50	< 50	< 1
Chlorobenzene (ug/L)	< 5	< 50	< 50	< 1
Chlorodibromomethane (ug/L)	< 5	< 50	< 50	< 1
Chloroethane (ug/L)	< 10	< 100	< 100	< 2
Chloroform (ug/L)	< 5	< 50	< 50	12.508
Chloromethane (ug/L)	< 10	< 100	< 100	< 2
Dibromomethane (ug/L)				< 1
Dichlorodifluoromethane (ug/L)				< 2
Ethylbenzene (ug/L)	17	< 50	< 50	< 1

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W36

2

Parameter	02/20/92	08/03/92	09/17/92	07/10/96
Hexachlorobutadiene (ug/L)				< 1
Isopropylbenzene (ug/L)				36.015
Methylene chloride (ug/L)	< 5	< 50	113	< 3
Naphthalene (ug/L)	70	71.8	< 10	122.42
Styrene (ug/L)	< 5	< 50	< 50	< 1
Tetrachloroethene (ug/L)	< 5	< 50	< 50	< 1
Toluene (ug/L)	13	< 50	< 50	< 1
Trichloroethene (ug/L)	31	< 50	< 50	4.398
Trichlorofluoromethane (ug/L)				< 1
Vinyl acetate (ug/L)	< 10	< 100	< 100	
Vinyl chloride (ug/L)	< 10	< 100	< 100	< 1
Xylenes, Total (ug/L)	< 5	297	447	
cis-1,2-Dichloroethene (ug/L)				< 1
cis-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 1
m + p-Xylene (ug/L)				< 200
n-Butylbenzene (ug/L)				137.25
n-Propylbenzene (ug/L)				123.05
o-Xylene (ug/L)				201.57
p-Isopropyltoluene (ug/L)				21.973
sec-Butylbenzene (ug/L)				22.717
tert-Butylbenzene (ug/L)				< 1
trans-1,2-Dichloroethene (ug/L)	< 5	< 50	< 50	< 1
trans-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 1

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W37

1

Parameter	02/20/92	06/24/92	09/17/92	12/18/92	03/24/93
1,1,1,2-Tetrachloroethane (ug/L)					< 10
1,1,1-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,1,2-Trichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,1-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,1-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 10
1,1-Dichloropropene (ug/L)					< 10
1,2,3-Trichlorobenzene (ug/L)					< 10
1,2,3-Trichloropropane (ug/L)					< 10
1,2,4-Trichlorobenzene (ug/L)					< 10
1,2,4-Trimethylbenzene (ug/L)					2600
1,2-Dibromo-3-chloropropane (ug/L)					< 30
1,2-Dibromoethane (ug/L)					< 20
1,2-Dichlorobenzene (ug/L)					< 10
1,2-Dichloroethane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,2-Dichloropropane (ug/L)	< 5	< 50	< 50	< 5	< 10
1,3,5-Trimethylbenzene (ug/L)					1000
1,3-Dichlorobenzene (ug/L)					< 10
1,3-Dichloropropane (ug/L)					< 10
1,4-Dichlorobenzene (ug/L)					< 10
2,2-Dichloropropane (ug/L)					< 10
2-Butanone (MEK) (ug/L)	< 10	< 100	< 100	81.9	
2-Chlorotoluene (ug/L)					< 10
2-Hexanone (ug/L)	< 10	< 100	< 100	< 10	
4-Chlorotoluene (ug/L)					< 10
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100	< 100	< 10	
Acetone (ug/L)	< 10	< 100	< 100	25.9	
Benzene (ug/L)	< 5	< 50	< 50	< 5	< 10
Bromobenzene (ug/L)					< 10
Bromochloromethane (ug/L)					< 10
Bromodichloromethane (ug/L)	< 5	< 50	< 50	< 5	< 10
Bromoform (ug/L)	< 5	< 50	< 50	< 5	< 10
Bromomethane (ug/L)	< 10	< 100	< 100	< 10	< 20
Carbon disulfide (ug/L)	< 5	< 50	< 50	< 5	
Carbon tetrachloride (ug/L)	< 5	< 50	< 50	< 5	< 10
Chlorobenzene (ug/L)	< 5	< 50	< 50	< 5	< 10
Chlorodibromomethane (ug/L)	< 5	< 50	< 50	< 5	< 10
Chloroethane (ug/L)	< 10	< 100	< 100	< 10	< 20
Chloroform (ug/L)	< 5	< 50	< 50	< 5	< 10
Chloromethane (ug/L)	< 10	< 100	< 100	< 10	< 20
Dibromomethane (ug/L)					< 10
Dichlorodifluoromethane (ug/L)					< 20
Ethylbenzene (ug/L)	112	71.3	< 50	59.2	54

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W37

2

Parameter	02/20/92	06/24/92	09/17/92	12/18/92	03/24/93
Hexachlorobutadiene (ug/L)					< 10
Isopropylbenzene (ug/L)					150
Methylene chloride (ug/L)	< 5	< 50	< 50	< 10	< 30
Naphthalene (ug/L)	78	91	82.4	130	110
Styrene (ug/L)	< 5	< 50	< 50	< 5	< 10
Tetrachloroethene (ug/L)	< 5	< 50	< 50	< 5	< 10
Toluene (ug/L)	16	< 50	< 50	19.2	24
Trichloroethene (ug/L)	10	82.4	< 50	205	200
Trichlorofluoromethane (ug/L)					< 10
Vinyl acetate (ug/L)	< 10	< 100	< 100	< 10	
Vinyl chloride (ug/L)	< 10	< 100	< 100	< 10	< 10
Xylenes, Total (ug/L)	860	1060	< 50	691	
cis-1,2-Dichloroethene (ug/L)					< 10
cis-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 10
m + p-Xylene (ug/L)					280
n-Butylbenzene (ug/L)					380
n-Propylbenzene (ug/L)					220
o-Xylene (ug/L)					500
p-Isopropyltoluene (ug/L)					< 10
sec-Butylbenzene (ug/L)					82
tert-Butylbenzene (ug/L)					< 10
trans-1,2-Dichloroethene (ug/L)	< 5	< 50	< 50	< 5	< 10
trans-1,3-Dichloropropene (ug/L)	< 5	< 50	< 50	< 5	< 10

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W38

1

Parameter	02/22/92	07/29/92
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1,1,1-Trichloroethane (ug/L)	< 5	< 50
1,1,2,2-Tetrachloroethane (ug/L)	< 5	< 50
1,1,2-Trichloroethane (ug/L)	< 5	< 50
1,1-Dichloroethane (ug/L)	< 5	< 50
1,1-Dichloroethene (ug/L)	< 5	< 50
1,2-Dichloroethane (ug/L)	< 5	< 50
1,2-Dichloropropane (ug/L)	< 5	< 50
2-Butanone (MEK) (ug/L)	< 10	< 100
2-Hexanone (ug/L)	< 10	< 100
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 10	< 100
Acetone (ug/L)	< 10	< 100
Benzene (ug/L)	< 5	< 50
Bromodichloromethane (ug/L)	< 5	< 50
Bromoform (ug/L)	< 5	< 50
Bromomethane (ug/L)	< 10	< 100
Carbon disulfide (ug/L)	< 5	< 50
Carbon tetrachloride (ug/L)	< 5	< 50
Chlorobenzene (ug/L)	< 5	< 50
Chlorodibromomethane (ug/L)	< 5	< 50
Chloroethane (ug/L)	< 10	< 100
Chloroform (ug/L)	< 5	< 50
Chloromethane (ug/L)	< 10	< 100
Ethylbenzene (ug/L)	33.2	< 50
Methylene chloride (ug/L)	< 5	< 50
Naphthalene (ug/L)	105	124
Styrene (ug/L)	< 5	< 50
Tetrachloroethene (ug/L)	< 5	< 50
Toluene (ug/L)	11.7	< 50
Trichloroethene (ug/L)	11.8	< 50
Vinyl acetate (ug/L)	< 10	< 100
Vinyl chloride (ug/L)	< 10	< 100
Xylenes, Total (ug/L)	392	859
cis-1,3-Dichloropropene (ug/L)	< 5	< 50
trans-1,2-Dichloroethene (ug/L)	< 5	< 50
trans-1,3-Dichloropropene (ug/L)	< 5	< 50

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W39

1

Parameter	06/17/92	12/18/92	06/21/94	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)			< 1	< 100
1,1,1-Trichloroethane (ug/L)	< 50	64.6	< 1	< 100
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 50	< 1	< 100
1,1,2-Trichloroethane (ug/L)	< 50	< 50	< 1	< 100
1,1-Dichloroethane (ug/L)	< 50	< 50	< 1	< 100
1,1-Dichloroethene (ug/L)	< 50	< 50	< 1	< 100
1,1-Dichloropropene (ug/L)			< 1	< 100
1,2,3-Trichlorobenzene (ug/L)			< 1	< 100
1,2,3-Trichloropropane (ug/L)			< 1	< 100
1,2,4-Trichlorobenzene (ug/L)			< 1	< 100
1,2,4-Trimethylbenzene (ug/L)			2400	606.2
1,2-Dibromo-3-chloropropane (ug/L)			< 3	< 300
1,2-Dibromoethane (ug/L)			< 2	< 200
1,2-Dichlorobenzene (ug/L)			< 1	< 100
1,2-Dichloroethane (ug/L)	< 50	< 50	< 1	< 100
1,2-Dichloropropane (ug/L)	< 50	< 50	< 1	< 100
1,3,5-Trimethylbenzene (ug/L)			600	328.24
1,3-Dichlorobenzene (ug/L)			< 1	< 100
1,3-Dichloropropane (ug/L)			< 1	< 100
1,4-Dichlorobenzene (ug/L)			< 1	< 100
2,2-Dichloropropane (ug/L)			< 1	< 100
2-Butanone (MEK) (ug/L)	< 100	< 100		
2-Chlorotoluene (ug/L)			< 1	< 100
2-Hexanone (ug/L)	< 100	< 100		
4-Chlorotoluene (ug/L)			< 1	< 100
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 100		
Acetone (ug/L)	190	271		
Benzene (ug/L)	< 50	< 50	5.3	< 100
Bromobenzene (ug/L)			< 1	< 100
Bromochloromethane (ug/L)			< 1	< 100
Bromodichloromethane (ug/L)	< 50	< 50	< 1	< 100
Bromoform (ug/L)	< 50	< 50	< 1	< 100
Bromomethane (ug/L)	< 100	< 100	< 2	< 200
Carbon disulfide (ug/L)	< 50	< 50		
Carbon tetrachloride (ug/L)	< 50	< 50	< 1	< 100
Chlorobenzene (ug/L)	< 50	< 50	< 1	< 100
Chlorodibromomethane (ug/L)	< 50	< 50	< 1	< 100
Chloroethane (ug/L)	< 100	< 100	< 2	< 200
Chloroform (ug/L)	< 50	< 50	3.5	< 100
Chloromethane (ug/L)	< 100	< 100	< 2	< 200
Dibromomethane (ug/L)			< 1	< 100
Dichlorodifluoromethane (ug/L)			< 2	< 200
Ethylbenzene (ug/L)	69.5	59.8	75	< 100

Summary of Analytical Data
 Wauleco, Inc.
 Wausau, Wisconsin

SAMPLE ID: W39

2

Parameter	06/17/92	12/18/92	06/21/94	07/09/96
Hexachlorobutadiene (ug/L)			< 1	< 100
Isopropylbenzene (ug/L)			180	180.87
Methylene chloride (ug/L)	< 50	142	< 3	< 300
Naphthalene (ug/L)	632	732	160	121.68
Styrene (ug/L)	< 50	< 50	< 25	309.43
Tetrachloroethene (ug/L)	< 50	< 50	3	< 100
Toluene (ug/L)	189	154	< 1	< 100
Trichloroethene (ug/L)	< 50	< 50	19	< 100
Trichlorofluoromethane (ug/L)			< 1	< 100
Vinyl acetate (ug/L)	< 100	< 100		
Vinyl chloride (ug/L)	< 100	< 100	< 1	< 100
Xylenes, Total (ug/L)	1000	784		
cis-1,2-Dichloroethene (ug/L)			< 1	< 100
cis-1,3-Dichloropropene (ug/L)	< 50	< 50	< 1	< 100
m + p-Xylene (ug/L)			450	< 200
n-Butylbenzene (ug/L)			320	631.4
n-Propylbenzene (ug/L)			280	< 100
o-Xylene (ug/L)			600	< 100
p-Isopropyltoluene (ug/L)			< 25	< 100
sec-Butylbenzene (ug/L)			160	238.33
tert-Butylbenzene (ug/L)			< 25	< 100
trans-1,2-Dichloroethene (ug/L)	< 50	< 50	< 1	< 100
trans-1,3-Dichloropropene (ug/L)	< 50	< 50	< 1	< 100

Summary of Analytical Data
Waukeco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

1

Parameter	02/25/92	06/16/92	09/17/92	12/19/92	03/24/93	06/30/93	12/28/93	06/21/94	07/06/95
1,1,1,2-Tetrachloroethane (ug/L)					< 1		< 1	< 1	
1,1,1-Trichloroethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,1,2,2-Tetrachloroethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,1,2-Trichloroethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,1-Dichloroethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,1-Dichloroethene (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,1-Dichloropropene (ug/L)					< 1		< 1	< 1	
1,2,3-Trichlorobenzene (ug/L)					< 1	< 100	< 1	< 1	
1,2,3-Trichloropropane (ug/L)					< 1		< 1	< 1	
1,2,4-Trichlorobenzene (ug/L)					< 1	< 100	< 1	< 1	
1,2,4-Trimethylbenzene (ug/L)					620	2200	110	20	
1,2-Dibromo-3-chloropropane (ug/L)					< 3	< 300	< 3	< 3	
1,2-Dibromoethane (ug/L)					< 2	< 200	< 2	< 2	
1,2-Dichlorobenzene (ug/L)					< 1	< 100	< 1	< 1	< 20
1,2-Dichloroethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,2-Dichloropropane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
1,3,5-Trimethylbenzene (ug/L)					230	2400	130	400	
1,3-Dichlorobenzene (ug/L)					< 1	< 100	< 1	< 1	< 20
1,3-Dichloropropane (ug/L)					< 1	< 100	< 1	< 1	
1,4-Dichlorobenzene (ug/L)					< 1	< 100	< 1	< 1	< 20
2,2-Dichloropropane (ug/L)					< 1	< 100	< 1	< 1	
2-Butanone (MEK) (ug/L)	< 100	< 100	< 100	38.5					
2-Chloroethyl vinyl ether (ug/L)									< 200
2-Chlorotoluene (ug/L)					< 1	< 100	< 1	< 1	
2-Hexanone (ug/L)	< 100	< 100	< 100	< 10					
4-Chlorotoluene (ug/L)					< 1	< 100	< 1	< 1	
4-Methyl-2-Pentanone (MIBK) (ug/L)	< 100	< 100	< 100	< 10					
Acetone (ug/L)	< 100	191	123	170					
Benzene (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
Bromobenzene (ug/L)					< 1	< 100	< 1	< 1	
Bromochloromethane (ug/L)					< 1		< 1	< 1	
Bromodichloromethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
Bromoform (ug/L)	< 50	< 50	< 50	< 5	< 1		< 1	< 1	< 20
Bromomethane (ug/L)	< 100	< 100	< 100	< 10	< 2		< 2	< 2	< 40
Carbon disulfide (ug/L)	< 50	< 50	< 50	< 5					
Carbon tetrachloride (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
Chlorobenzene (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
Chlorodibromomethane (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
Chloroethane (ug/L)	< 100	< 100	< 100	< 10	< 2	< 200	< 2	< 2	< 40
Chloroform (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	2.8	< 20
Chloromethane (ug/L)	< 100	< 100	< 100	< 10	< 2	< 200	< 2	< 2	< 40
Di-isopropyl ether (ug/L)						< 100			
Dibromomethane (ug/L)					< 1		< 1	< 1	

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

2

Parameter	07/09/96
1,1,1,2-Tetrachloroethane (ug/L)	< 10
1,1,1-Trichloroethane (ug/L)	< 10
1,1,2,2-Tetrachloroethane (ug/L)	< 10
1,1,2-Trichloroethane (ug/L)	< 10
1,1-Dichloroethane (ug/L)	< 10
1,1-Dichloroethene (ug/L)	< 10
1,1-Dichloropropene (ug/L)	< 10
1,2,3-Trichlorobenzene (ug/L)	< 10
1,2,3-Trichloropropane (ug/L)	< 10
1,2,4-Trichlorobenzene (ug/L)	< 10
1,2,4-Trimethylbenzene (ug/L)	137.69
1,2-Dibromo-3-chloropropane (ug/L)	< 30
1,2-Dibromoethane (ug/L)	< 20
1,2-Dichlorobenzene (ug/L)	< 10
1,2-Dichloroethane (ug/L)	< 10
1,2-Dichloropropane (ug/L)	< 10
1,3,5-Trimethylbenzene (ug/L)	85.039
1,3-Dichlorobenzene (ug/L)	< 10
1,3-Dichloropropane (ug/L)	< 10
1,4-Dichlorobenzene (ug/L)	< 10
2,2-Dichloropropane (ug/L)	< 10
2-Butanone (MEK) (ug/L)	
2-Chloroethyl vinyl ether (ug/L)	
2-Chlorotoluene (ug/L)	< 10
2-Hexanone (ug/L)	
4-Chlorotoluene (ug/L)	< 10
4-Methyl-2-Pentanone (MIBK) (ug/L)	
Acetone (ug/L)	
Benzene (ug/L)	< 10
Bromobenzene (ug/L)	< 10
Bromochloromethane (ug/L)	< 10
Bromodichloromethane (ug/L)	< 10
Bromoform (ug/L)	< 10
Bromomethane (ug/L)	< 20
Carbon disulfide (ug/L)	
Carbon tetrachloride (ug/L)	< 10
Chlorobenzene (ug/L)	< 10
Chlorodibromomethane (ug/L)	< 10
Chloroethane (ug/L)	< 20
Chloroform (ug/L)	< 10
Chloromethane (ug/L)	< 20
Di-isopropyl ether (ug/L)	
Dibromomethane (ug/L)	< 10

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

3

Parameter	02/25/92	06/16/92	09/17/92	12/19/92	03/24/93	06/30/93	12/28/93	06/21/94	07/06/95
Dichlorodifluoromethane (ug/L)					< 2	< 200	< 2	< 2	
Ethylbenzene (ug/L)	< 50	< 50	< 50	< 5	6.3	600	< 1	< 1	< 20
Hexachlorobutadiene (ug/L)					< 1	< 100	< 1	< 1	
Isopropylbenzene (ug/L)					57	2000	7.1	14	
Methyl tert-butyl ether (ug/L)						< 100			
Methylene chloride (ug/L)	85.3	< 50	53.7	< 10	< 3	< 300	< 3	< 3	< 60
Naphthalene (ug/L)	130	< 103	48.1	52.3	95	630	44	27	52
Styrene (ug/L)	< 50	< 50	< 50	< 5	5.9		< 1	< 1	
Tetrachloroethene (ug/L)	< 50	< 50	< 50	< 5	1.3	< 100	3.8	6.5	< 20
Toluene (ug/L)	< 50	< 50	< 50	< 5	7.5	< 100	3.6	< 1	< 20
Trichloroethene (ug/L)	< 50	< 50	< 50	< 5	3.8	< 100	4	4.4	< 20
Trichlorofluoromethane (ug/L)					< 1	< 100	< 1	< 1	< 20
Vinyl acetate (ug/L)	< 100	< 100	< 100	< 10					
Vinyl chloride (ug/L)	< 100	< 100	< 100	< 10	< 1	< 100	< 1	< 1	< 20
Xylenes, Total (ug/L)	125	66.2	135	67.3					
cis-1,2-Dichloroethene (ug/L)					< 1	< 100	< 1	< 1	< 20
cis-1,3-Dichloropropene (ug/L)	< 50	< 50	< 50	< 5	< 1		< 1	< 1	< 20
m + p-Xylene (ug/L)					60	500	5	5.8	77
n-Butylbenzene (ug/L)					230	4800	120	280	
n-Propylbenzene (ug/L)					36	2400	6.6	< 1	
o-Xylene (ug/L)					190	2700	18	160	140
p-Isopropyltoluene (ug/L)					< 1	1200	13	< 1	
sec-Butylbenzene (ug/L)					58	2900	12	13	
tert-Butylbenzene (ug/L)					< 1	< 100	< 1	< 1	
trans-1,2-Dichloroethene (ug/L)	< 50	< 50	< 50	< 5	< 1	< 100	< 1	< 1	< 20
trans-1,3-Dichloropropene (ug/L)	< 50	< 50	< 50	< 5	< 1		< 1	< 1	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W41

4

Parameter	07/09/96
Dichlorodifluoromethane (ug/L)	< 20
Ethylbenzene (ug/L)	< 10
Hexachlorobutadiene (ug/L)	< 10
Isopropylbenzene (ug/L)	21.889
Methyl tert-butyl ether (ug/L)	
Methylene chloride (ug/L)	< 30
Naphthalene (ug/L)	17.154
Styrene (ug/L)	< 10
Tetrachloroethene (ug/L)	< 10
Toluene (ug/L)	< 10
Trichloroethene (ug/L)	< 10
Trichlorofluoromethane (ug/L)	< 10
Vinyl acetate (ug/L)	
Vinyl chloride (ug/L)	< 10
Xylenes, Total (ug/L)	
cis-1,2-Dichloroethene (ug/L)	< 10
cis-1,3-Dichloropropene (ug/L)	< 10
m + p-Xylene (ug/L)	< 20
n-Butylbenzene (ug/L)	128.897
n-Propylbenzene (ug/L)	25.558
o-Xylene (ug/L)	< 10
p-Isopropyltoluene (ug/L)	56.038
sec-Butylbenzene (ug/L)	21.684
tert-Butylbenzene (ug/L)	< 10
trans-1,2-Dichloroethene (ug/L)	< 10
trans-1,3-Dichloropropene (ug/L)	< 10

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W66

1

Parameter	06/30/93
1,1,1-Trichloroethane (ug/L)	< 5
1,1,2,2-Tetrachloroethane (ug/L)	< 5
1,1,2-Trichloroethane (ug/L)	< 5
1,1-Dichloroethane (ug/L)	< 5
1,1-Dichloroethene (ug/L)	< 5
1,2,3-Trichlorobenzene (ug/L)	< 5
1,2,4-Trichlorobenzene (ug/L)	< 5
1,2,4-Trimethylbenzene (ug/L)	800
1,2-Dibromo-3-chloropropane (ug/L)	< 15
1,2-Dibromoethane (ug/L)	< 10
1,2-Dichlorobenzene (ug/L)	< 5
1,2-Dichloroethane (ug/L)	< 5
1,2-Dichloropropane (ug/L)	< 5
1,3,5-Trimethylbenzene (ug/L)	180
1,3-Dichlorobenzene (ug/L)	< 5
1,3-Dichloropropane (ug/L)	< 5
1,4-Dichlorobenzene (ug/L)	< 5
2,2-Dichloropropane (ug/L)	< 5
2-Chlorotoluene (ug/L)	< 5
4-Chlorotoluene (ug/L)	< 5
Benzene (ug/L)	< 5
Bromobenzene (ug/L)	< 5
Bromodichloromethane (ug/L)	< 5
Carbon tetrachloride (ug/L)	< 5
Chlorobenzene (ug/L)	< 5
Chlorodibromomethane (ug/L)	< 5
Chloroethane (ug/L)	< 10
Chloroform (ug/L)	< 5
Chloromethane (ug/L)	< 10
Di-isopropyl ether (ug/L)	18
Dichlorodifluoromethane (ug/L)	< 10
Ethylbenzene (ug/L)	< 5
Hexachlorobutadiene (ug/L)	< 5
Isopropylbenzene (ug/L)	32
Methyl tert-butyl ether (ug/L)	< 5
Methylene chloride (ug/L)	< 15
Naphthalene (ug/L)	80
Tetrachloroethene (ug/L)	< 5
Toluene (ug/L)	220
Trichloroethene (ug/L)	< 5
Trichlorofluoromethane (ug/L)	< 5
Vinyl chloride (ug/L)	< 5
cis-1,2-Dichloroethene (ug/L)	< 5

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W66

2

Parameter	06/30/93
m + p-Xylene (ug/L)	110
n-Butylbenzene (ug/L)	80
n-Propylbenzene (ug/L)	65
o-Xylene (ug/L)	140
p-Isopropyltoluene (ug/L)	< 5
sec-Butylbenzene (ug/L)	28
tert-Butylbenzene (ug/L)	< 5
trans-1,2-Dichloroethene (ug/L)	< 5

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W67

1

Parameter	06/29/93
1,1,1-Trichloroethane (ug/L)	< 1
1,1,2,2-Tetrachloroethane (ug/L)	< 1
1,1,2-Trichloroethane (ug/L)	< 1
1,1-Dichloroethane (ug/L)	< 1
1,1-Dichloroethene (ug/L)	< 1
1,2,3-Trichlorobenzene (ug/L)	< 1
1,2,4-Trichlorobenzene (ug/L)	< 1
1,2,4-Trimethylbenzene (ug/L)	16
1,2-Dibromo-3-chloropropane (ug/L)	< 3
1,2-Dibromoethane (ug/L)	< 2
1,2-Dichlorobenzene (ug/L)	< 1
1,2-Dichloroethane (ug/L)	< 1
1,2-Dichloropropane (ug/L)	< 1
1,3,5-Trimethylbenzene (ug/L)	8
1,3-Dichlorobenzene (ug/L)	< 1
1,3-Dichloropropane (ug/L)	< 1
1,4-Dichlorobenzene (ug/L)	< 1
2,2-Dichloropropane (ug/L)	< 1
2-Chlorotoluene (ug/L)	< 1
4-Chlorotoluene (ug/L)	< 1
Benzene (ug/L)	< 1
Bromobenzene (ug/L)	< 1
Bromodichloromethane (ug/L)	< 1
Carbon tetrachloride (ug/L)	< 1
Chlorobenzene (ug/L)	< 1
Chlorodibromomethane (ug/L)	< 1
Chloroethane (ug/L)	< 2
Chloroform (ug/L)	7.4
Chloromethane (ug/L)	< 2
Di-isopropyl ether (ug/L)	< 1
Dichlorodifluoromethane (ug/L)	< 20
Ethylbenzene (ug/L)	< 1
Hexachlorobutadiene (ug/L)	< 1
Isopropylbenzene (ug/L)	2.8
Methyl tert-butyl ether (ug/L)	< 1
Methylene chloride (ug/L)	< 3
Naphthalene (ug/L)	18
Tetrachloroethene (ug/L)	< 1
Toluene (ug/L)	29
Trichloroethene (ug/L)	23
Trichlorofluoromethane (ug/L)	< 1
Vinyl chloride (ug/L)	< 1
cis-1,2-Dichloroethene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W67

2

Parameter	06/29/93
m + p-Xylene (ug/L)	< 2
n-Butylbenzene (ug/L)	6.5
n-Propylbenzene (ug/L)	2.8
o-Xylene (ug/L)	11
p-Isopropyltoluene (ug/L)	1.4
sec-Butylbenzene (ug/L)	7.8
tert-Butylbenzene (ug/L)	< 1
trans-1,2-Dichloroethene (ug/L)	< 1

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W69

1

Parameter	12/29/93
-----	-----
1,1,1,2-Tetrachloroethane (ug/L)	< 20
1,1,1-Trichloroethane (ug/L)	< 20
1,1,2,2-Tetrachloroethane (ug/L)	< 20
1,1,2-Trichloroethane (ug/L)	< 20
1,1-Dichloroethane (ug/L)	< 20
1,1-Dichloroethene (ug/L)	< 20
1,1-Dichloropropene (ug/L)	< 20
1,2,3-Trichlorobenzene (ug/L)	< 20
1,2,3-Trichloropropane (ug/L)	< 20
1,2,4-Trichlorobenzene (ug/L)	< 20
1,2,4-Trimethylbenzene (ug/L)	2500
1,2-Dibromo-3-chloropropane (ug/L)	< 60
1,2-Dibromoethane (ug/L)	< 40
1,2-Dichlorobenzene (ug/L)	< 20
1,2-Dichloroethane (ug/L)	< 20
1,2-Dichloropropane (ug/L)	< 20
1,3,5-Trimethylbenzene (ug/L)	680
1,3-Dichlorobenzene (ug/L)	< 20
1,3-Dichloropropane (ug/L)	< 20
1,4-Dichlorobenzene (ug/L)	< 20
2,2-Dichloropropane (ug/L)	< 20
2-Chlorotoluene (ug/L)	< 20
4-Chlorotoluene (ug/L)	< 20
Benzene (ug/L)	< 20
Bromobenzene (ug/L)	< 20
Bromochloromethane (ug/L)	< 20
Bromodichloromethane (ug/L)	< 20
Bromoform (ug/L)	< 20
Bromomethane (ug/L)	< 40
Carbon tetrachloride (ug/L)	< 20
Chlorobenzene (ug/L)	< 20
Chlorodibromomethane (ug/L)	< 20
Chloroethane (ug/L)	< 40
Chloroform (ug/L)	< 20
Chloromethane (ug/L)	< 40
Dibromomethane (ug/L)	< 20
Dichlorodifluoromethane (ug/L)	< 40
Ethylbenzene (ug/L)	78
Hexachlorobutadiene (ug/L)	< 20
Isopropylbenzene (ug/L)	140
Methylene chloride (ug/L)	< 60
Naphthalene (ug/L)	72
Styrene (ug/L)	< 20

Summary of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

SAMPLE ID: W69

2

Parameter	12/29/93
-----	-----
Tetrachloroethene (ug/L)	< 20
Toluene (ug/L)	38
Trichloroethene (ug/L)	120
Trichlorofluoromethane (ug/L)	< 20
Vinyl chloride (ug/L)	< 20
cis-1,2-Dichloroethene (ug/L)	< 20
cis-1,3-Dichloropropene (ug/L)	< 20
m + p-Xylene (ug/L)	360
n-Butylbenzene (ug/L)	140
n-Propylbenzene (ug/L)	340
o-Xylene (ug/L)	600
p-Isopropyltoluene (ug/L)	60
sec-Butylbenzene (ug/L)	64
tert-Butylbenzene (ug/L)	< 20
trans-1,2-Dichloroethene (ug/L)	< 20
trans-1,3-Dichloropropene (ug/L)	< 20

A4

DIOXIN/FURANS

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid:W02

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/10/96</u>
1234678-HpCDD	999	510.868	331.141	180
1234678-HpCDF	285	184.49	184.245	60
123478-HxCDD	0.037	ND	ND	ND
123478-HxCDF	17.9	12.921	15.502	5.6
1234789-HpCDF	18.8	11.676	8.754	3.7
123678-HxCDD	24.1	19.782	21.325	9.9
123678-HxCDF	2.45	1.808	245.317	ND
12378-PeCDD	0.043	ND	ND	ND
12378-PeCDF	0.671	ND	41.677	ND
123789-HxCDD	3.49	1.297	ND	ND
123789-HxCDF	0.262	2.577	2.982	ND
234678-HxCDF	6.02	ND	9.71	ND
23478-PeCDF	1.39	ND	ND	ND
2378-TCDD	0.011	ND	ND	ND
2378-TCDF	0.103	ND	ND	ND
OCDD	5250	4308.834	4285.786	1400
OCDF	1850	1017.302	1273.765	420
Total HpCDD	1530	764.43	565.36	270
Total HpCDF	1790	1013.53	992.16	290
Total HxCDD	68.3	41.39	21.32	19
Total HxCDF	407.3	250.69	781.96	100
Total PeCDD	0.306	ND	ND	ND
Total PeCDF	17.3	9.3	183.44	ND
Total TCDD	0.366	ND	ND	ND
Total TCDF	1.38	ND	64.48	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid:W03A

Parameter (ng/L)	9/18/92	6/30/93	6/22/94	7/6/95	7/10/96
1234678-HpCDD	422	2082.462	22602.051	5502.558	3700
1234678-HpCDF	108	966.584	10396.106	6652.747	1600
123478-HxCDD	0.255	ND	17.622	ND	ND
123478-HxCDF	8.53	98.536	1110.846	1077.283	120
1234789-HpCDF	7.46	75.208	656.879	329.606	100
123678-HxCDD	10.8	141.598	1207.937	467.088	180
123678-HxCDF	1.49	14.053	53.782	18195.655	18
12378-PeCDD	0.025	0.197	1.354	ND	ND
12378-PeCDF	0.324	2.608	34.666	959.595	5.6
123789-HxCDD	1.49	10.861	97.574	33.653	11
123789-HxCDF	0.116	15.625	180.593	166.555	7.6
234678-HxCDF	2.51	41.895	289.538	249.625	11
23478-PeCDF	0.89	12.907	77.122	29.77	11
2378-TCDD	ND	0.056	0.586	ND	ND
2378-TCDF	0.073	2.568	21.316	ND	ND
OCDD	2460	3366.196	99621.522	39690.459	32000
OCDF	664	2102.479	150738.508	26948.508	27000
Total HpCDD	653	3651.206	32960.78	7874.67	5100
Total HpCDF	597	3657.721	59876	21812.96	7600
Total HxCDD	30.5	358.289	3080.5	687.53	360
Total HxCDF	165	1508.647	19291.24	35135.42	1800
Total PeCDD	0.247	2.032	1.35	5.73	ND
Total PeCDF	9.86	225.072	856.69	1672.16	100
Total TCDD	0.122	0.693	0.59	ND	ND
Total TCDF	1	24.559	80.66	1594.65	8

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W03B

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>6/29/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/10/96</u>
1234678-HpCDD	85.5	2.451	3.788	15.712	9
1234678-HpCDF	22	0.677	1.798	4.961	ND
123478-HxCDD	0.024	ND	ND	ND	ND
123478-HxCDF	1.34	0.046	ND	ND	ND
1234789-HpCDF	1.27	0.053	ND	ND	ND
123678-HxCDD	2.6	0.112	ND	ND	ND
123678-HxCDF	0.205	0.009	ND	4.94	ND
12378-PeCDD	0.017	ND	ND	ND	ND
12378-PeCDF	0.117	ND	ND	1.463	ND
123789-HxCDD	0.497	0.023	ND	ND	ND
123789-HxCDF	0.045	ND	ND	ND	ND
234678-HxCDF	0.216	0.06	ND	ND	ND
23478-PeCDF	0.189	ND	ND	ND	ND
2378-TCDD	ND	ND	ND	ND	ND
2378-TCDF	0.028	ND	ND	ND	ND
OCDD	618	22.814	35.59	150.323	82
OCDF	113	2.683	6.883	21.176	22
Total HpCDD	134	3.827	3.79	23.83	13
Total HpCDF	116	3.424	7.06	25.63	9.3
Total HxCDD	9.03	0.298	ND	ND	ND
Total HxCDF	30.1	1.106	ND	10.73	ND
Total PeCDD	0.044	0.001	ND	ND	ND
Total PeCDF	2.7	0.151	ND	3.43	ND
Total TCDD	0.03	0.004	ND	ND	ND
Total TCDF	0.224	0.044	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W08

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>6/28/93</u>	<u>6/21/94</u>	<u>7/6/95</u>	<u>7/8/96</u>
1234678-HpCDD	36.1	1.319	ND	25.914	ND
1234678-HpCDF	8.36	0.381	ND	10.055	ND
123478-HxCDD	0.044	ND	ND	ND	ND
123478-HxCDF	0.575	0.028	ND	ND	ND
1234789-HpCDF	0.594	0.027	ND	ND	ND
123678-HxCDD	1.32	0.066	ND	1.062	ND
123678-HxCDF	0.113	0.016	ND	10.571	ND
12378-PeCDD	0.006	0.015	ND	ND	ND
12378-PeCDF	0.057	0.016	ND	2.653	ND
123789-HxCDD	0.231	ND	ND	ND	ND
123789-HxCDF	0.008	0.013	ND	ND	ND
234678-HxCDF	0.123	0.012	ND	ND	ND
23478-PeCDF	0.092	0.005	ND	ND	ND
2378-TCDD	ND	0.015	ND	0.497	ND
2378-TCDF	0.016	0.009	ND	ND	ND
OCDD	272	12.466	4.249	223.085	2.8
OCDF	42.3	1.328	ND	40.119	ND
Total HpCDD	56.7	2.067	ND	38.97	ND
Total HpCDF	46	2.287	ND	10.05	ND
Total HxCDD	3.87	0.155	ND	1.06	ND
Total HxCDF	13.1	0.71	ND	29.92	ND
Total PeCDD	0.033	0.016	ND	ND	ND
Total PeCDF	1.1	0.126	ND	8.18	ND
Total TCDD	0.035	0.019	ND	0.5	ND
Total TCDF	0.074	0.027	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid:W10A

Parameter (ng/L)	9/18/92	6/30/93	6/22/94	7/6/95	7/9/96
1234678-HpCDD	14.1	6.462	ND	4.846	2.5
1234678-HpCDF	3.5	2.324	ND	1.756	0.81
123478-HxCDD	0.003	0.007	ND	ND	ND
123478-HxCDF	0.221	0.122	ND	ND	ND
1234789-HpCDF	0.246	0.169	ND	ND	ND
123678-HxCDD	0.428	0.195	ND	ND	ND
123678-HxCDF	0.048	0.021	ND	ND	ND
12378-PeCDD	ND	0.003	ND	ND	ND
12378-PeCDF	0.02	0.004	ND	ND	ND
123789-HxCDD	0.077	0.027	ND	ND	ND
123789-HxCDF	ND	0.044	ND	ND	ND
234678-HxCDF	0.047	0.064	ND	ND	ND
23478-PeCDF	0.035	0.01	ND	ND	ND
2378-TCDD	ND	0.002	ND	ND	ND
2378-TCDF	ND	0.044	ND	ND	ND
OCDD	189	59.61	12.164	53.873	32
OCDF	18.7	13.93	ND	8.13	12
Total HpCDD	22.5	10.107	ND	7.49	3.9
Total HpCDF	17.9	13.1	ND	8.2	4.4
Total HxCDD	1.23	0.544	ND	ND	ND
Total HxCDF	4.3	2.866	ND	ND	ND
Total PeCDD	0.02	0.003	ND	ND	ND
Total PeCDF	0.446	0.31	ND	ND	ND
Total TCDD	0.263	0.013	ND	ND	ND
Total TCDF	0.173	0.146	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid:W11

Parameter (ng/L)	9/18/92	6/30/93	6/21/94	7/5/95	7/9/96
1234678-HpCDD	10.2	5.738	ND	3.408	ND
1234678-HpCDF	2.57	1.549	ND	1.045	ND
123478-HxCDD	0.013	0.006	ND	ND	ND
123478-HxCDF	0.165	0.095	ND	ND	ND
1234789-HpCDF	0.148	0.1	ND	ND	ND
123678-HxCDD	0.367	0.253	ND	ND	ND
123678-HxCDF	0.035	0.021	ND	1.109	ND
12378-PeCDD	ND	0.004	ND	ND	ND
12378-PeCDF	0.017	0.006	ND	ND	ND
123789-HxCDD	0.139	0.029	ND	ND	ND
123789-HxCDF	ND	0.039	ND	ND	ND
234678-HxCDF	0.032	0.044	ND	ND	ND
23478-PeCDF	0.03	0.016	ND	ND	ND
2378-TCDD	ND	ND	ND	ND	ND
2378-TCDF	0.006	0.005	ND	ND	ND
OCDD	77.1	49.283	10.325	35.738	ND
OCDF	10.9	4.901	ND	3.41	ND
Total HpCDD	15.4	8.572	ND	5.21	ND
Total HpCDF	12	7.891	ND	4.02	ND
Total HxCDD	1.21	0.655	ND	ND	ND
Total HxCDF	3.24	2.338	ND	1.04	ND
Total PeCDD	0.035	0.006	ND	ND	ND
Total PeCDF	0.353	0.388	ND	ND	ND
Total TCDD	0.043	0.002	ND	ND	ND
Total TCDF	0.042	0.041	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W16

Parameter (ng/L)	9/18/92	6/29/93	6/21/94	7/6/95	7/8/96
1234678-HpCDD	14	0.98	ND	ND	ND
1234678-HpCDF	3.2	0.254	ND	ND	ND
123478-HxCDD	0.006	ND	ND	ND	ND
123478-HxCDF	0.183	0.02	ND	ND	ND
1234789-HpCDF	0.195	0.025	ND	ND	ND
123678-HxCDD	0.361	0.044	ND	ND	ND
123678-HxCDF	0.031	0.007	ND	ND	ND
12378-PeCDD	ND	0.003	ND	ND	ND
12378-PeCDF	0.016	0.004	ND	ND	ND
123789-HxCDD	0.118	ND	ND	ND	ND
123789-HxCDF	ND	0.008	ND	ND	ND
234678-HxCDF	0.081	0.009	ND	ND	ND
23478-PeCDF	0.026	0.005	ND	ND	ND
2378-TCDD	ND	ND	ND	ND	ND
2378-TCDF	0.008	ND	ND	ND	ND
OCDD	123	8.688	9.754	10.046	ND
OCDF	16.2	1.009	ND	ND	ND
Total HpCDD	21.7	1.473	ND	ND	ND
Total HpCDF	15.9	1.219	ND	ND	ND
Total HxCDD	1.41	0.061	ND	ND	ND
Total HxCDF	3.66	0.365	ND	ND	ND
Total PeCDD	0.027	0.003	ND	ND	ND
Total PeCDF	0.301	0.037	ND	ND	ND
Total TCDD	0.047	0.001	ND	ND	ND
Total TCDF	0.053	ND	0.542	ND	ND

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sampleid:W25

Parameter (ng/L)	9/18/92	6/28/93	6/21/94	7/5/95
1234678-HpCDD	2850	222.258	36.801	3.067
1234678-HpCDF	776	86.208	14.908	1.507
123478-HxCDD	1.16	ND	ND	ND
123478-HxCDF	38.4	3.73	ND	ND
1234789-HpCDF	47.8	5.105	0.664	ND
123678-HxCDD	43.7	8.846	ND	ND
123678-HxCDF	8.1	0.493	0.472	1.59
12378-PeCDD	0.101	0.013	ND	ND
12378-PeCDF	1.49	0.162	ND	ND
123789-HxCDD	9.06	0.574	ND	ND
123789-HxCDF	0.452	1.324	ND	ND
234678-HxCDF	13.3	1.417	ND	ND
23478-PeCDF	3.46	0.299	ND	ND
2378-TCDD	0.022	ND	ND	ND
2378-TCDF	0.277	0.091	ND	ND
OCDD	14000	1496.469	257.441	20.664
OCDF	5170	407.868	76.435	4.231
Total HpCDD	4350	339.489	55.21	4.6
Total HpCDF	5100	526.05	71.51	5.2
Total HxCDD	223	22.431	ND	ND
Total HxCDF	1200	136.281	12.69	2.4
Total PeCDD	0.84	0.062	ND	ND
Total PeCDF	43	16.327	ND	ND
Total TCDD	0.321	0.04	ND	ND
Total TCDF	3.54	2.893	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W26

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>6/30/93</u>	<u>6/22/94</u>	<u>7/6/95</u>	<u>7/9/96</u>
1234678-HpCDD	6.26	1.241	ND	1.565	ND
1234678-HpCDF	1.46	0.339	ND	ND	ND
123478-HxCDD	0.007	0.003	ND	ND	ND
123478-HxCDF	0.092	0.024	ND	ND	ND
1234789-HpCDF	0.095	0.025	ND	ND	ND
123678-HxCDD	0.25	0.056	ND	ND	ND
123678-HxCDF	0.021	0.007	ND	ND	ND
12378-PeCDD	0.003	0.003	ND	ND	ND
12378-PeCDF	0.008	0.002	ND	ND	ND
123789-HxCDD	0.05	0.005	ND	ND	ND
123789-HxCDF	0.002	0.014	ND	ND	ND
234678-HxCDF	0.022	0.014	ND	ND	ND
23478-PeCDF	0.017	0.005	ND	ND	ND
2378-TCDD	ND	ND	ND	ND	ND
2378-TCDF	ND	0.051	ND	ND	ND
OCDD	49.2	12.301	ND	15.758	ND
OCDF	6.76	1.591	ND	2.163	ND
Total HpCDD	9.83	2.008	ND	2.37	ND
Total HpCDF	7.29	2.024	ND	1.76	ND
Total HxCDD	0.673	0.144	ND	ND	ND
Total HxCDF	2.18	0.638	ND	ND	ND
Total PeCDD	0.021	0.003	ND	ND	ND
Total PeCDF	0.165	0.111	ND	ND	ND
Total TCDD	0.724	0.001	ND	ND	ND
Total TCDF	0.132	0.057	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W28

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>6/29/93</u>	<u>6/22/94</u>	<u>7/5/95</u>	<u>7/9/96</u>
1234678-HpCDD	10.1	0.942	ND	0.836	ND
1234678-HpCDF	2.85	0.245	ND	ND	ND
123478-HxCDD	0.008	ND	ND	ND	ND
123478-HxCDF	0.135	0.017	ND	ND	ND
1234789-HpCDF	0.194	0.025	ND	ND	ND
123678-HxCDD	0.279	0.04	ND	ND	ND
123678-HxCDF	0.021	0.006	ND	ND	ND
12378-PeCDD	ND	0.004	ND	ND	ND
12378-PeCDF	0.013	0.003	ND	ND	ND
123789-HxCDD	0.062	ND	ND	ND	ND
123789-HxCDF	ND	0.011	ND	ND	ND
234678-HxCDF	0.03	0.01	ND	ND	ND
23478-PeCDF	0.023	ND	ND	ND	ND
2378-TCDD	ND	ND	ND	ND	ND
2378-TCDF	ND	0.056	ND	ND	ND
OCDD	79.9	15.634	5.466	8.622	ND
OCDF	24.4	0.99	ND	1.335	ND
Total HpCDD	15.2	1.54	ND	0.84	ND
Total HpCDF	14.4	1.327	ND	ND	ND
Total HxCDD	0.948	0.103	ND	ND	ND
Total HxCDF	2.86	0.397	ND	ND	ND
Total PeCDD	0.019	0.005	ND	ND	ND
Total PeCDF	0.237	0.049	ND	ND	ND
Total TCDD	0.066	0.001	ND	ND	ND
Total TCDF	0.039	0.068	ND	ND	ND

Historical Summary Of Analytical Data

Wauleco, Inc.

Wausau, Wisconsin

Sampleid: W29

Parameter (ng/L)	9/18/92	6/30/93	7/5/95	7/9/96
1234678-HpCDD	7.45	0.618	0.678	ND
1234678-HpCDF	1.58	0.158	ND	ND
123478-HxCDD	0.01	0.004	ND	ND
123478-HxCDF	0.095	0.013	ND	ND
1234789-HpCDF	0.118	ND	ND	ND
123678-HxCDD	0.247	0.032	ND	ND
123678-HxCDF	0.016	0.005	ND	ND
12378-PeCDD	ND	ND	ND	ND
12378-PeCDF	0.009	0.002	ND	ND
123789-HxCDD	0.036	0.01	ND	ND
123789-HxCDF	0.01	0.015	ND	ND
234678-HxCDF	0.027	ND	ND	ND
23478-PeCDF	0.015	ND	ND	ND
2378-TCDD	ND	ND	ND	ND
2378-TCDF	ND	0.009	ND	ND
OCDD	52.8	7.613	6.783	ND
OCDF	7.32	0.497	ND	ND
Total HpCDD	11.4	1.05	0.68	ND
Total HpCDF	8.05	0.828	ND	ND
Total HxCDD	0.673	0.1	ND	ND
Total HxCDF	2.04	0.27	ND	ND
Total PeCDD	0.019	0.001	ND	ND
Total PeCDF	0.092	0.051	ND	ND
Total TCDD	0.043	0.002	ND	ND
Total TCDF	0.032	0.019	ND	ND

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

Sampleid:W33

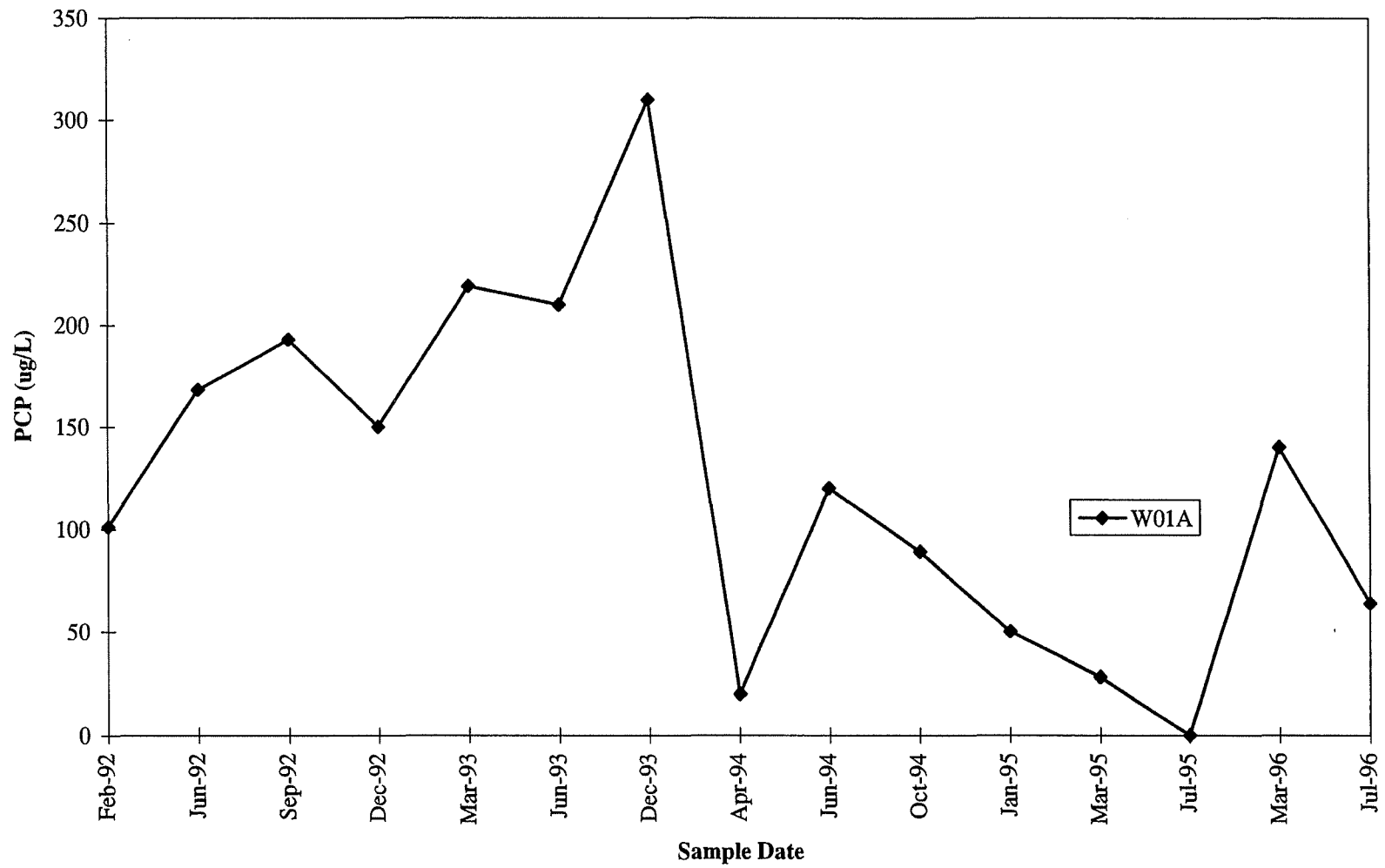
<u>Parameter (ng/L)</u>	<u>6/30/93</u>	<u>7/9/96</u>
1234678-HpCDD	2489.212	1500
1234678-HpCDF	1098.028	650
123478-HxCDD	ND	ND
123478-HxCDF	175.962	49
1234789-HpCDF	114.601	37
123678-HxCDD	283.526	97
123678-HxCDF	27.605	ND
12378-PeCDD	0.573	ND
12378-PeCDF	8.906	4.9
123789-HxCDD	44.527	10
123789-HxCDF	27.478	ND
234678-HxCDF	62.15	5.8
23478-PeCDF	40.396	8.5
2378-TCDD	ND	ND
2378-TCDF	11.603	ND
OCDD	3795.085	13000
OCDF	2493.375	8600
Total HpCDD	4372.31	2100
Total HpCDF	4712.778	2800
Total HxCDD	915.659	230
Total HxCDF	2325.545	920
Total PeCDD	4.972	ND
Total PeCDF	573.111	96
Total TCDD	0.302	ND
Total TCDF	65.51	11

Historical Summary Of Analytical Data
Wauleco, Inc.
Wausau, Wisconsin

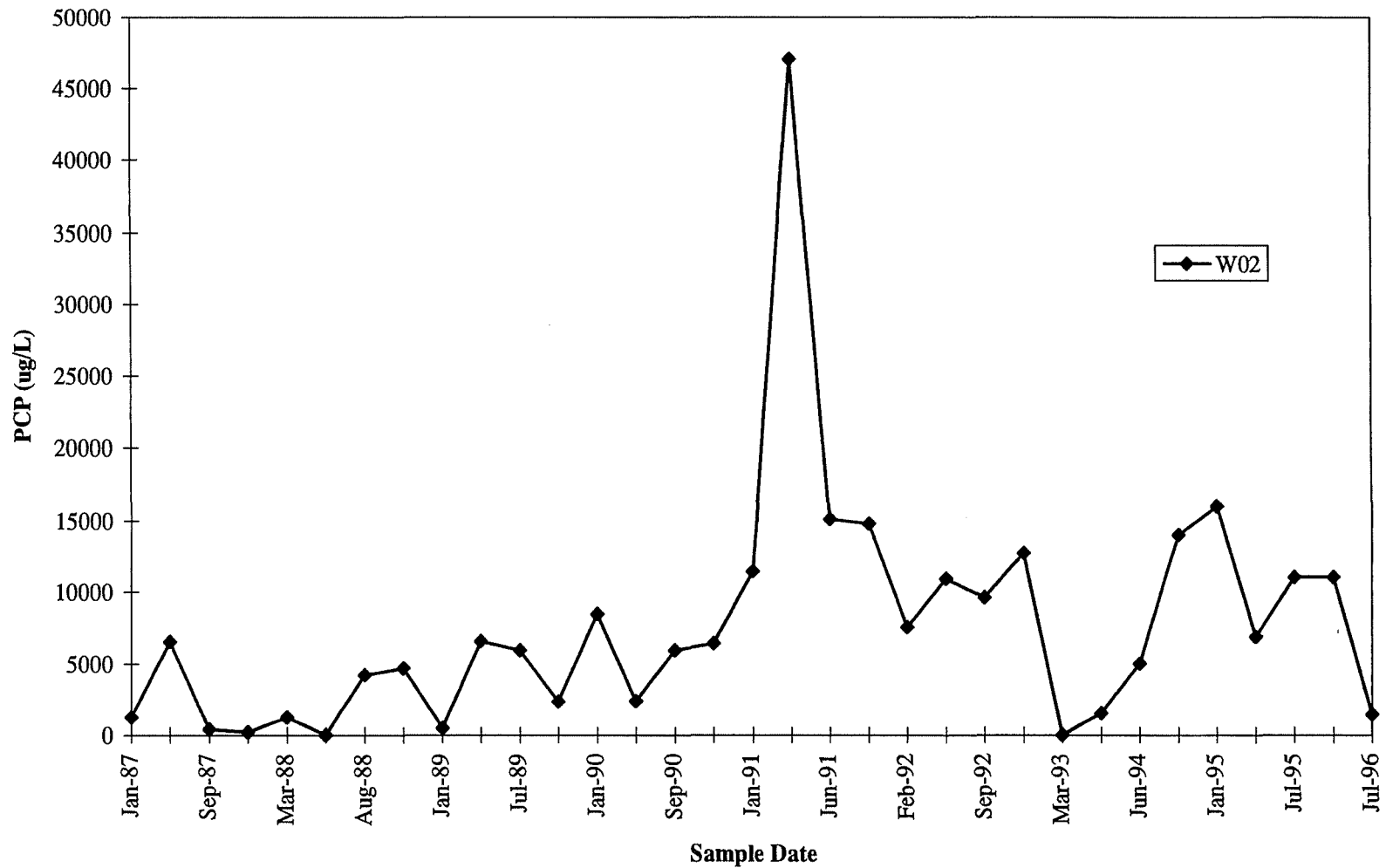
Sampleid: W36

<u>Parameter (ng/L)</u>	<u>9/18/92</u>	<u>7/10/96</u>
1234678-HpCDD	3320	650
1234678-HpCDF	634	150
123478-HxCDD	1.43	ND
123478-HxCDF	41.4	13
1234789-HpCDF	39.8	7.8
123678-HxCDD	61.2	38
123678-HxCDF	7.05	ND
12378-PeCDD	0.168	ND
12378-PeCDF	3.86	ND
123789-HxCDD	9.02	ND
123789-HxCDF	0.763	ND
234678-HxCDF	7.73	ND
23478-PeCDF	6.18	ND
2378-TCDD	0.011	ND
2378-TCDF	1.07	ND
OCDD	14700	5500
OCDF	2480	1200
Total HpCDD	4990	970
Total HpCDF	4070	690
Total HxCDD	162	75
Total HxCDF	1030	250
Total PeCDD	1.4	ND
Total PeCDF	79.8	15
Total TCDD	0.353	ND
Total TCDF	7.46	ND

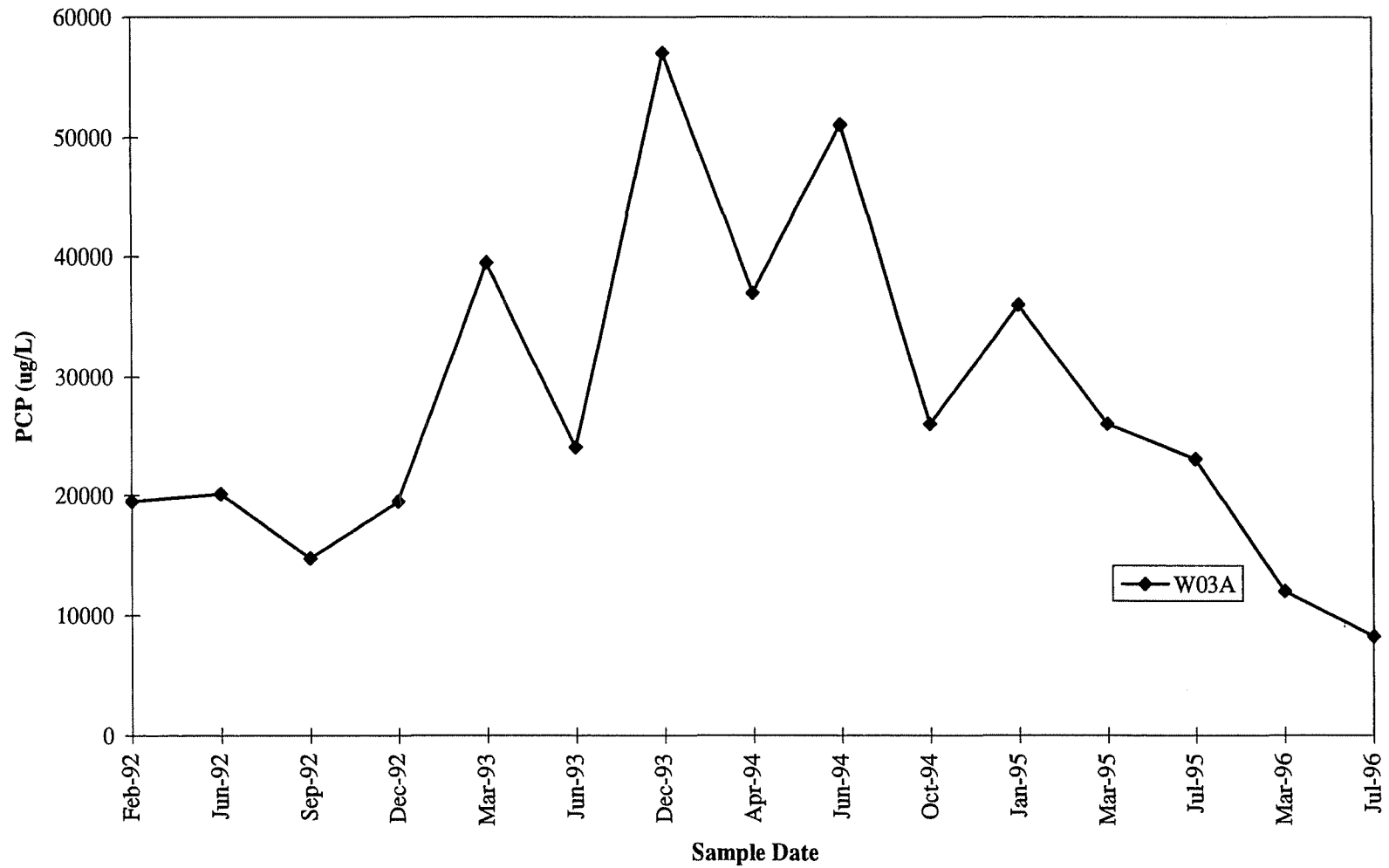
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



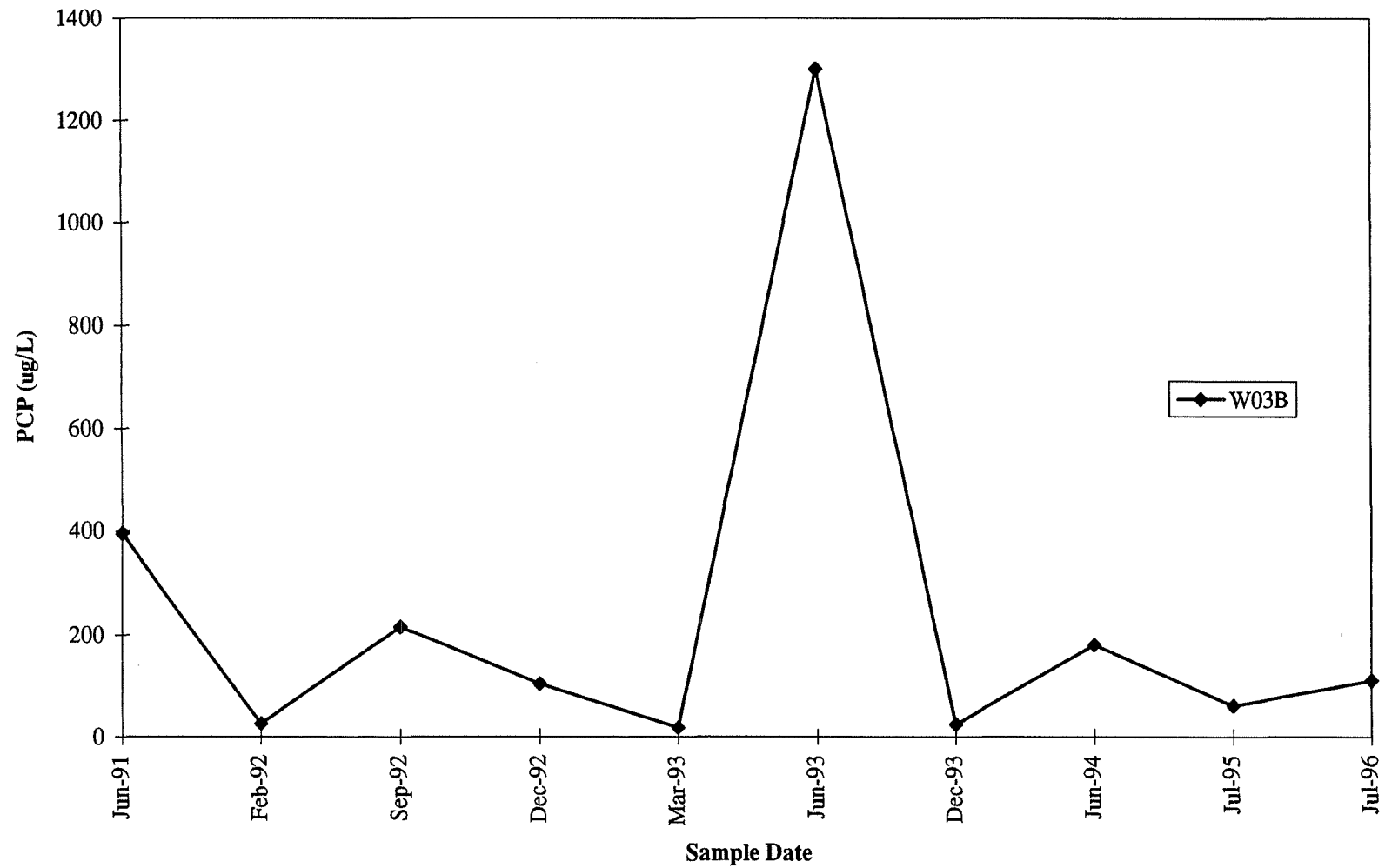
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



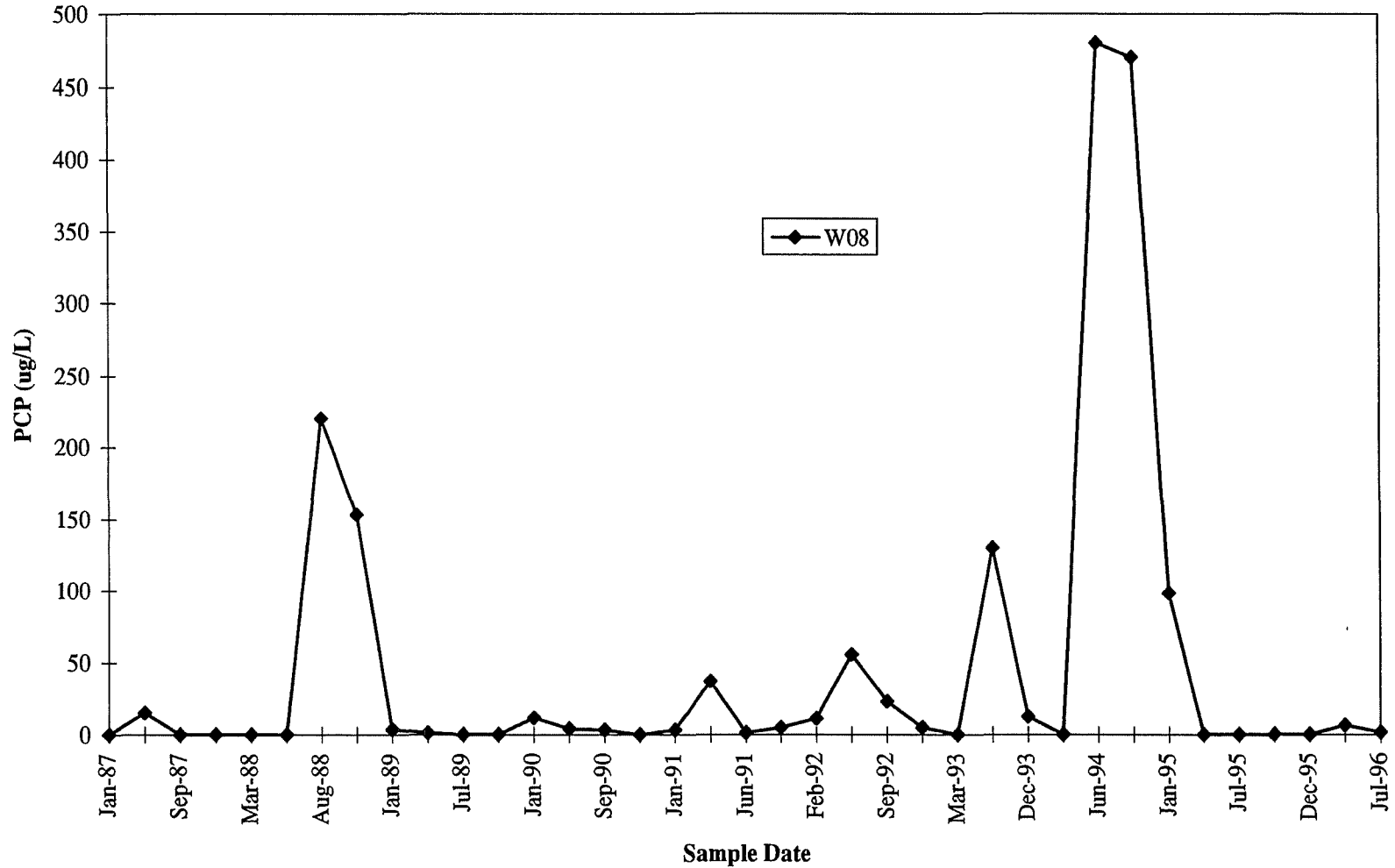
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



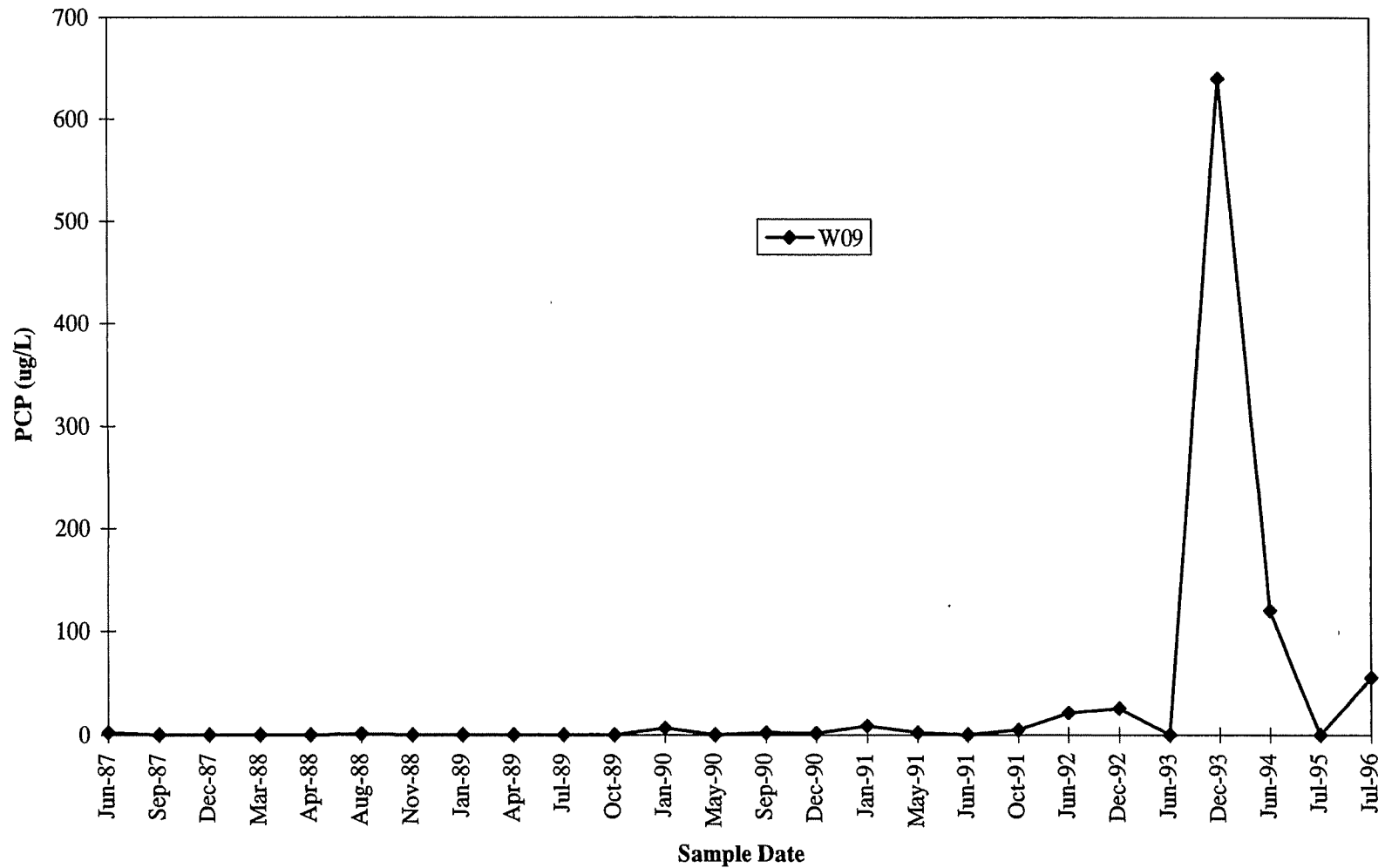
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



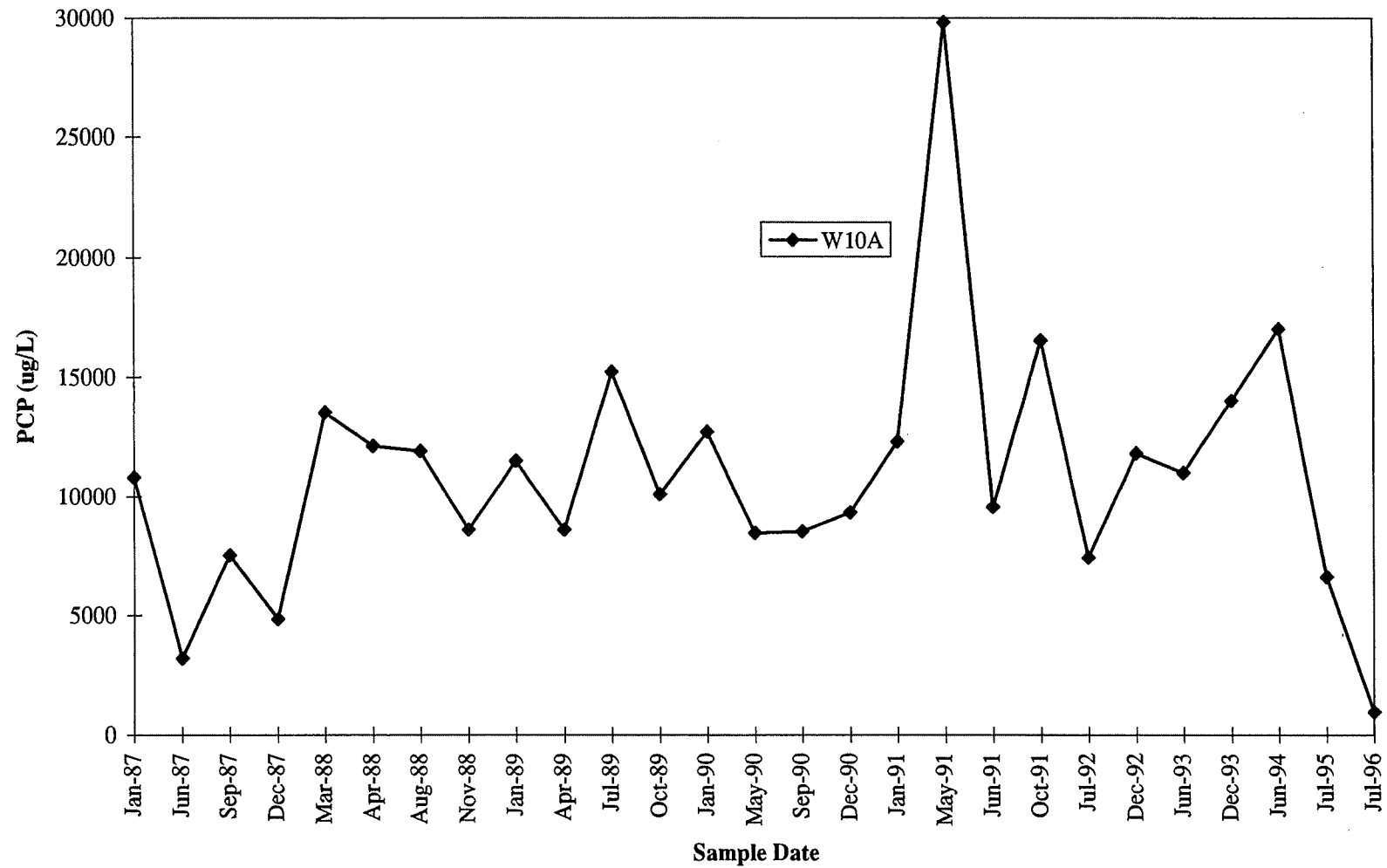
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



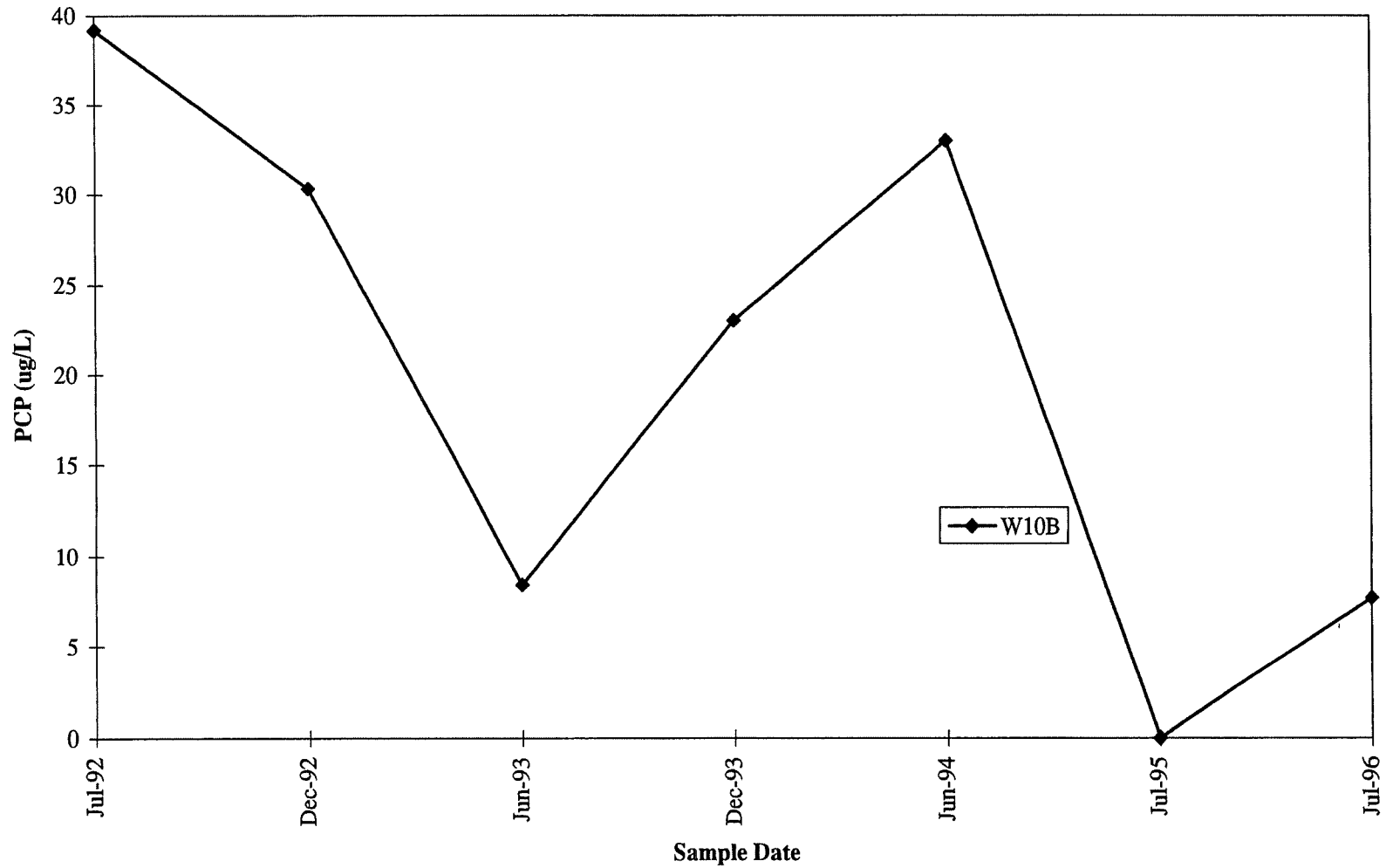
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



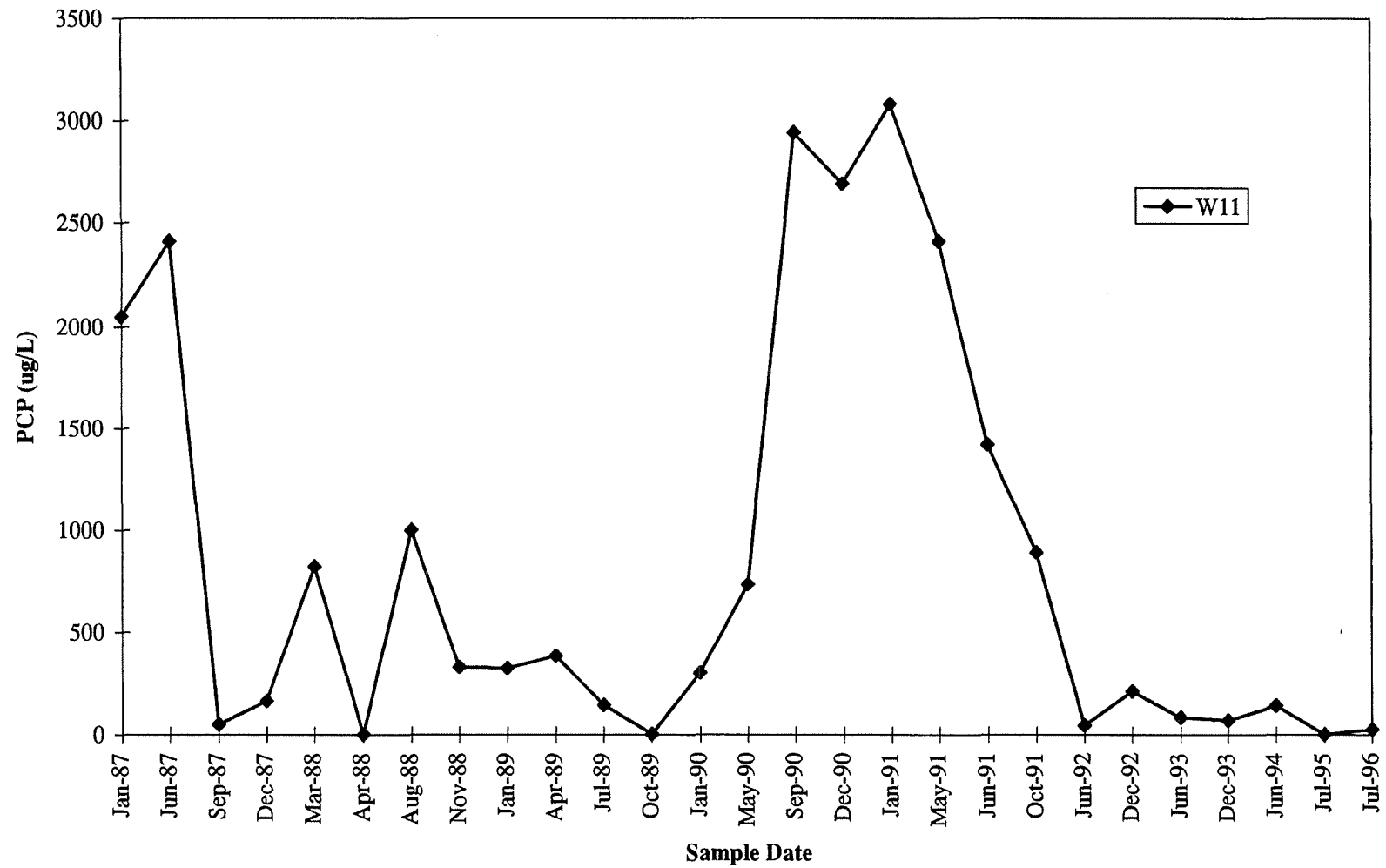
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



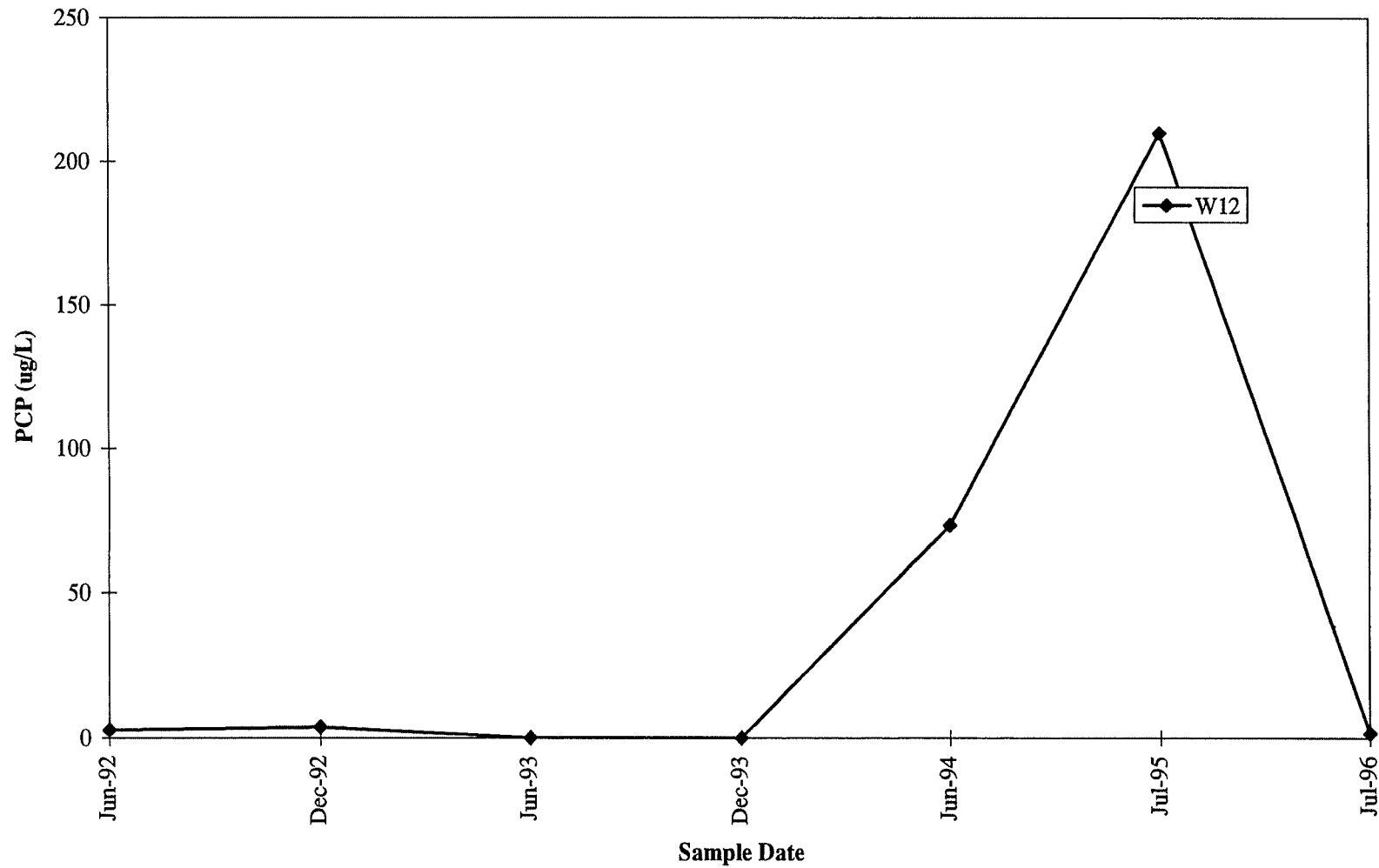
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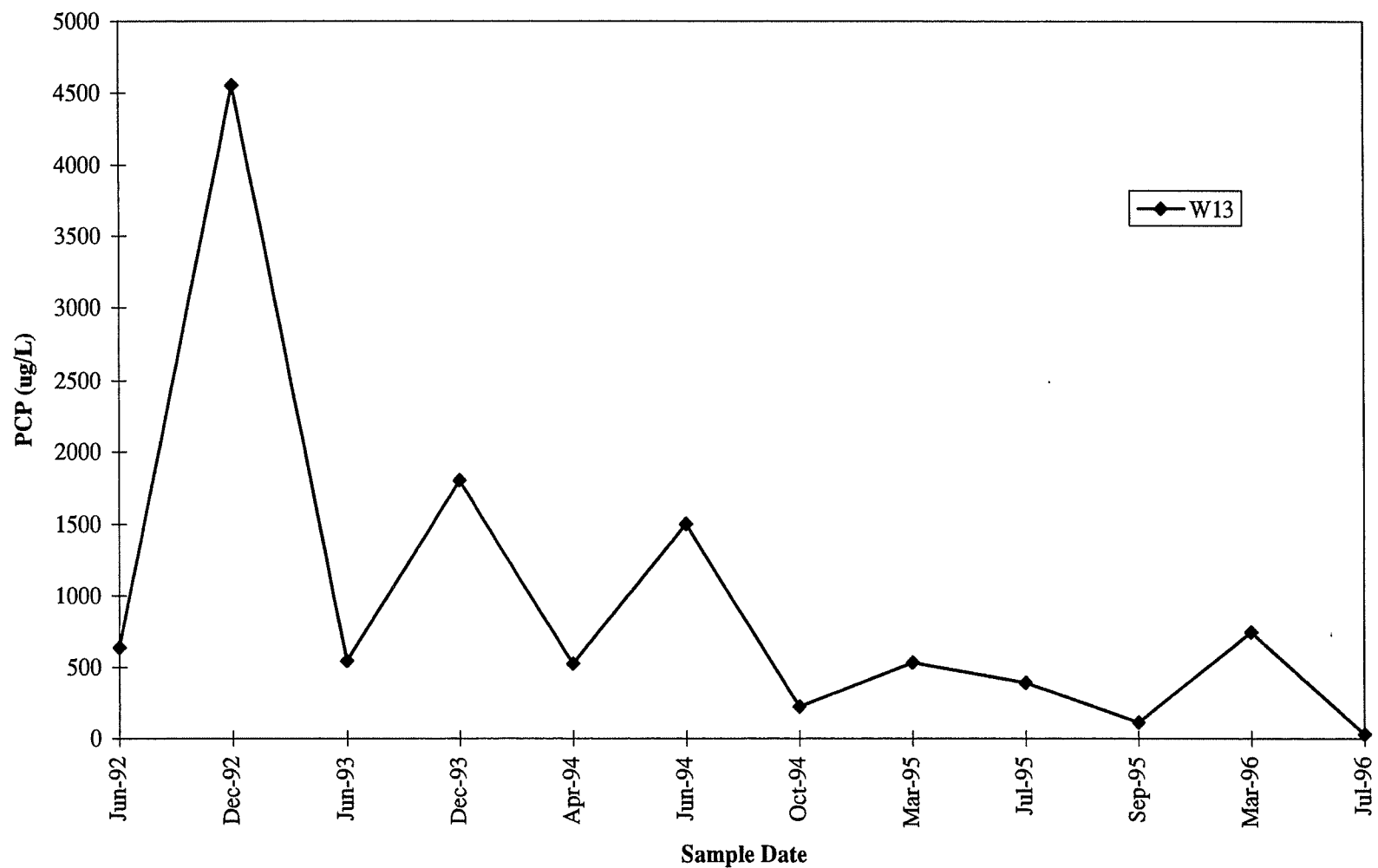
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



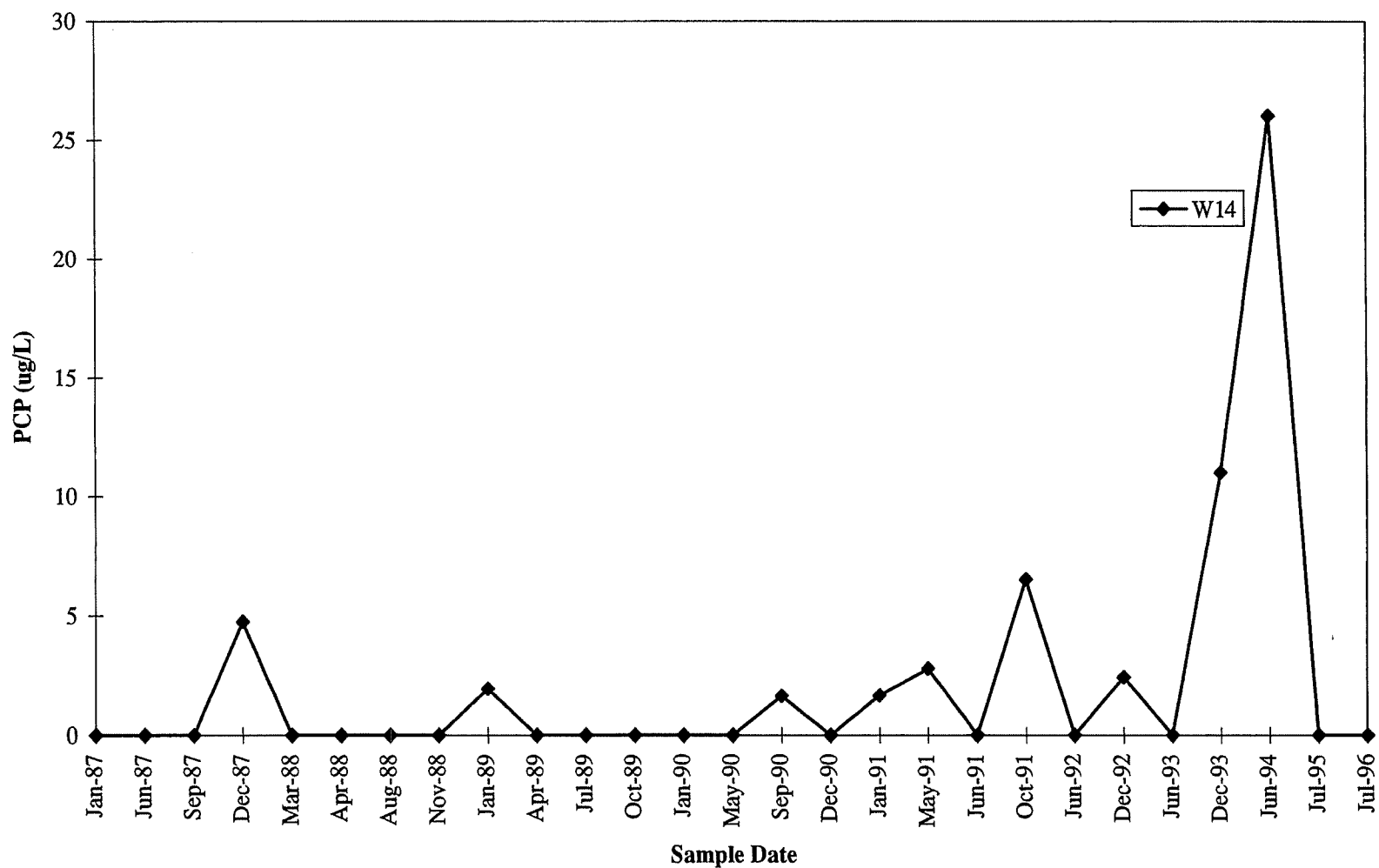
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



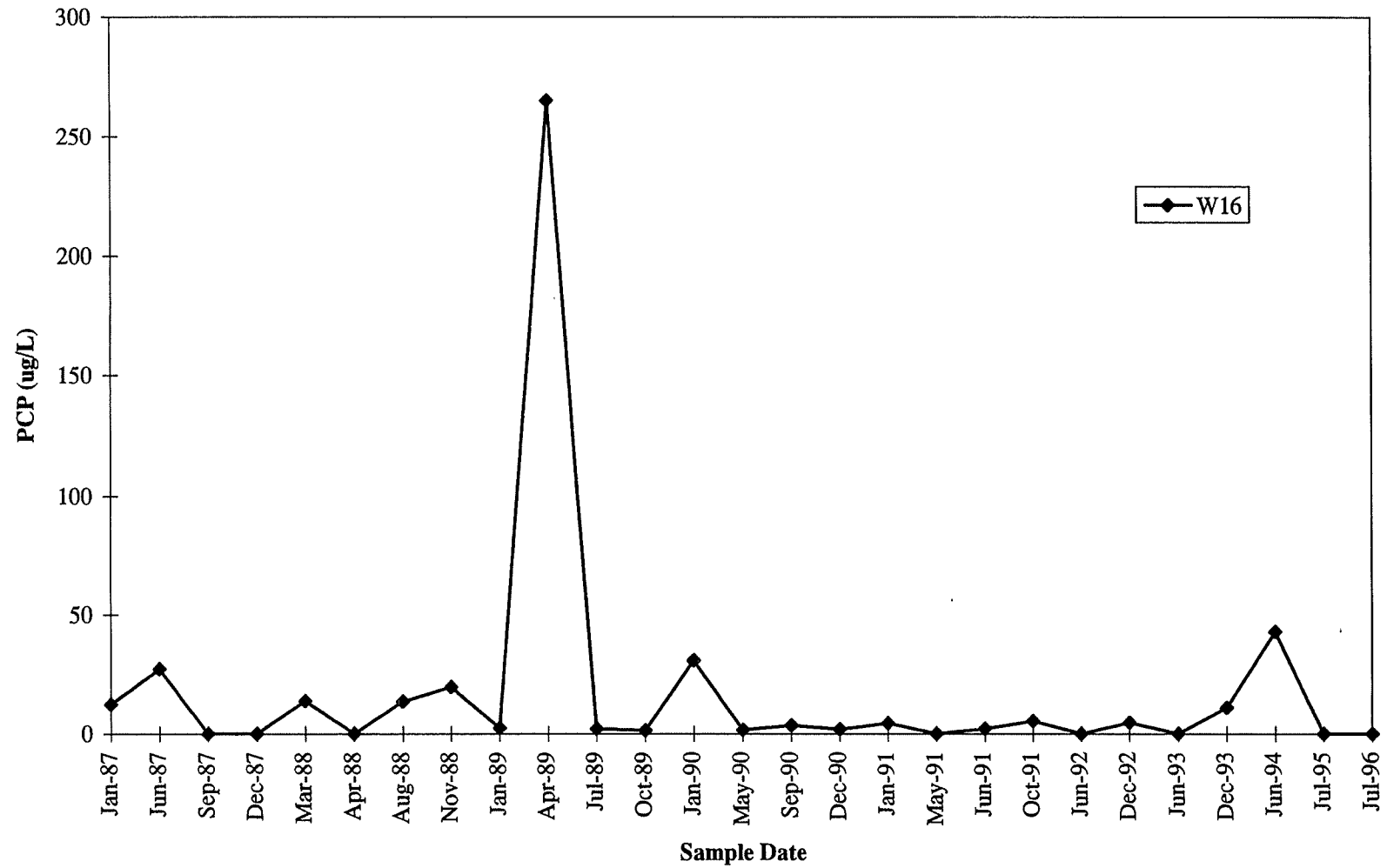
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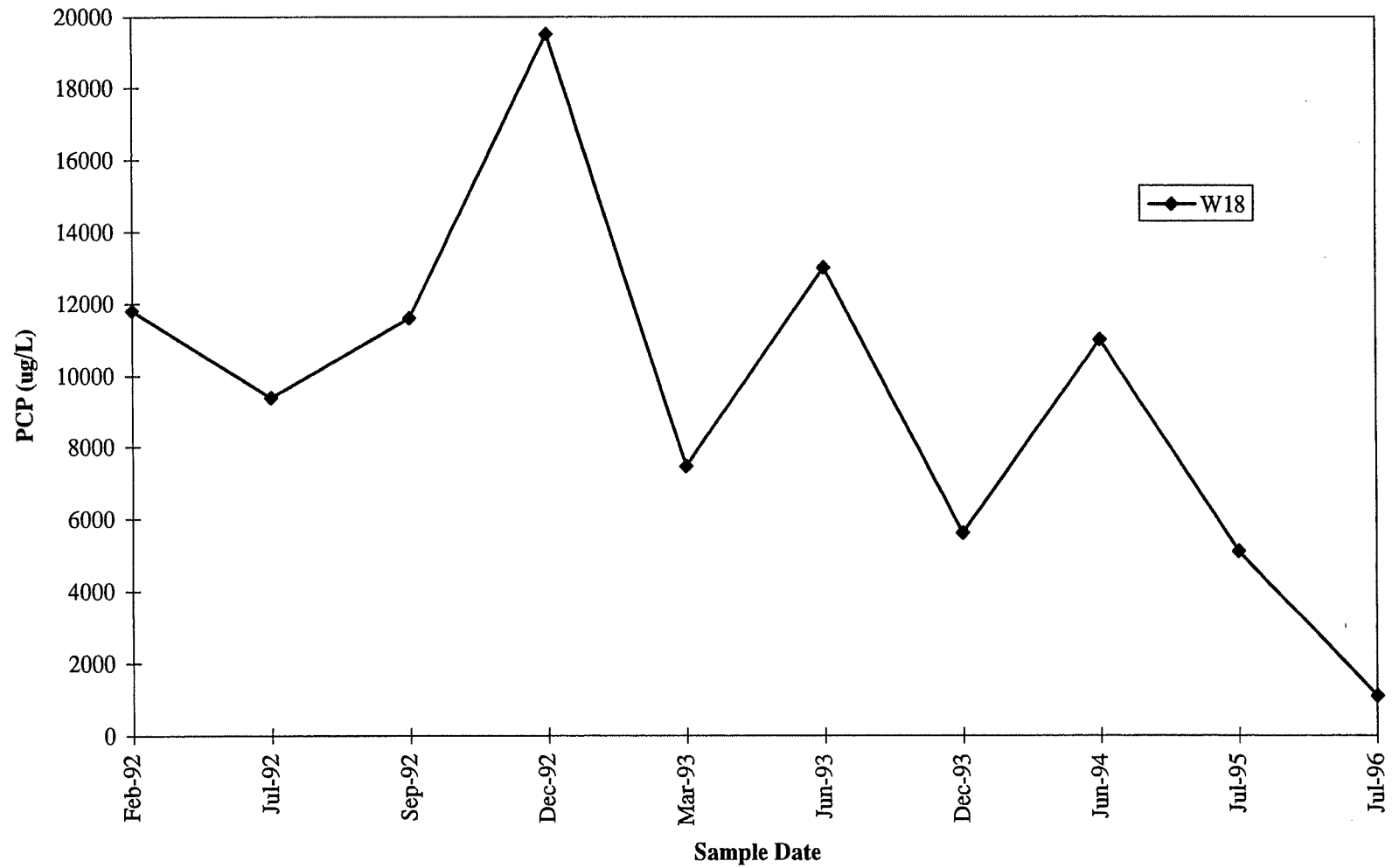
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



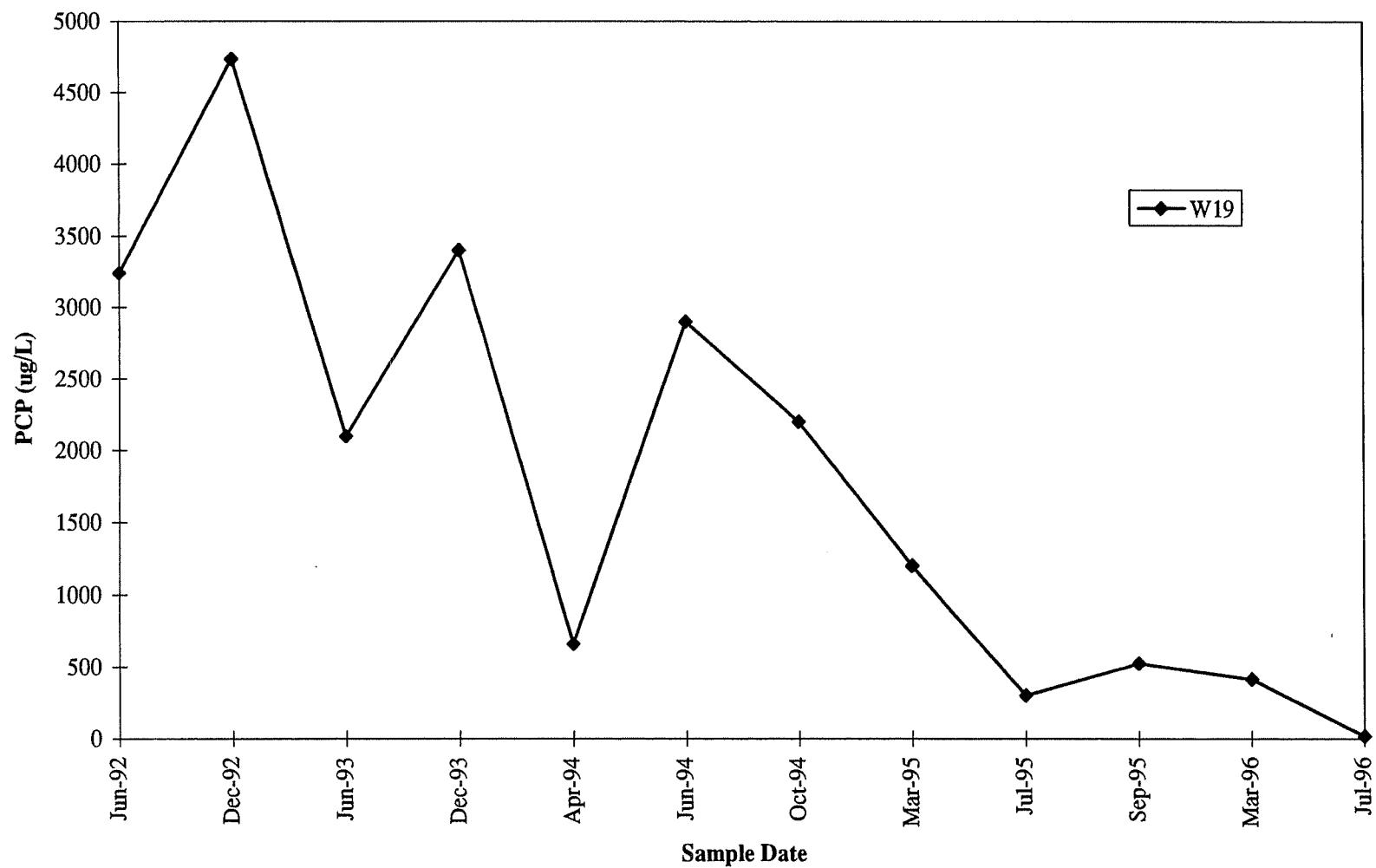
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



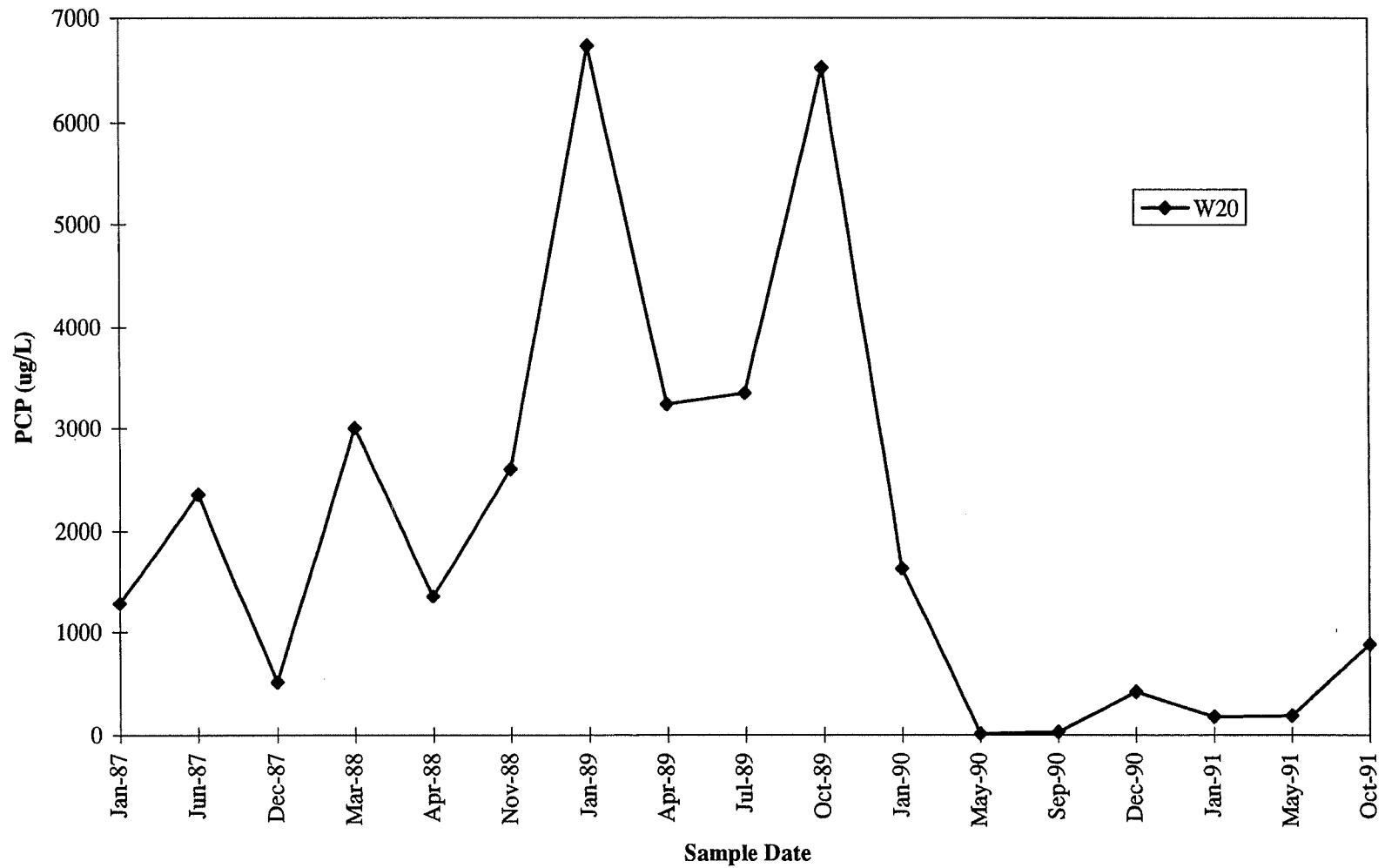
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



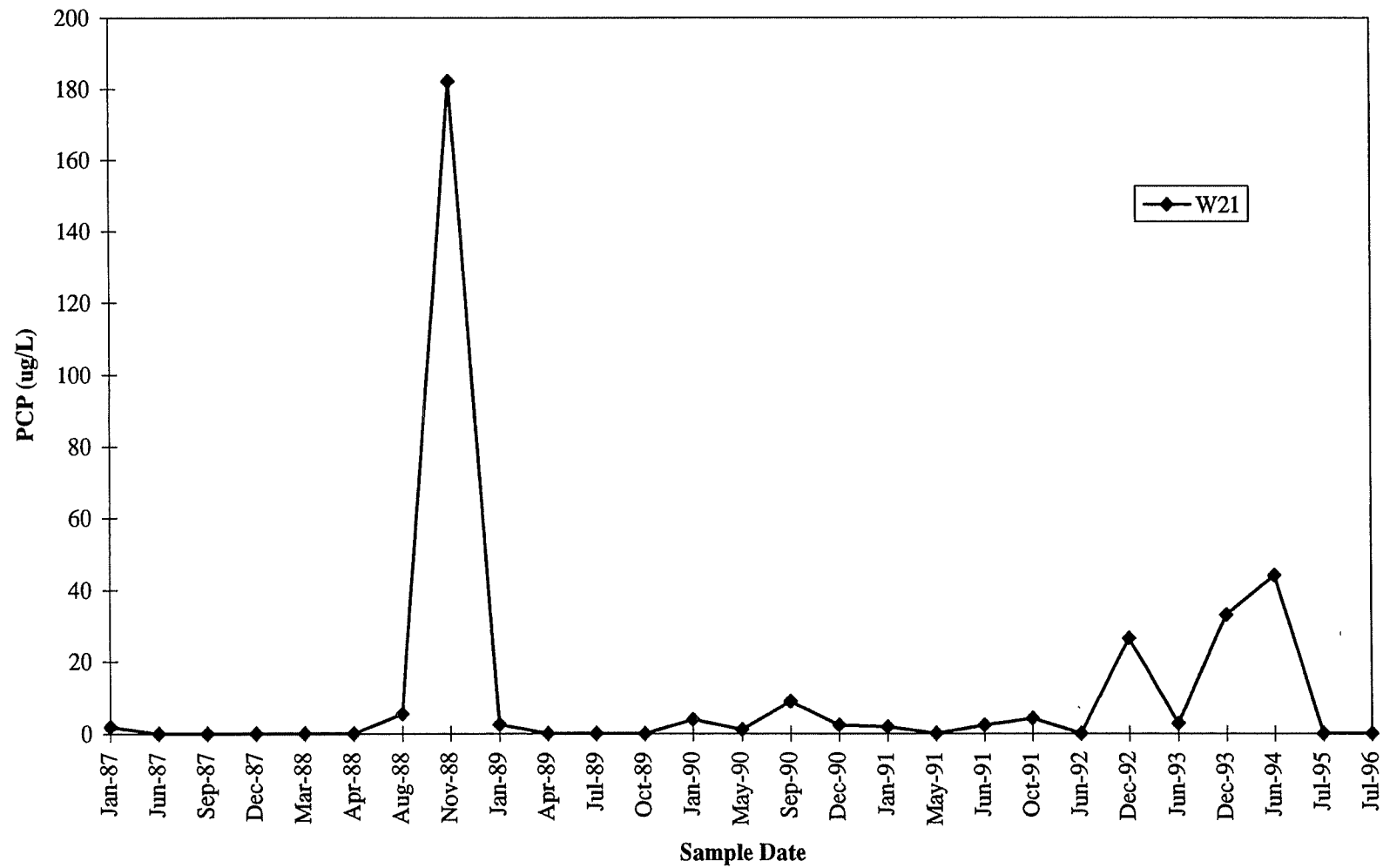
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



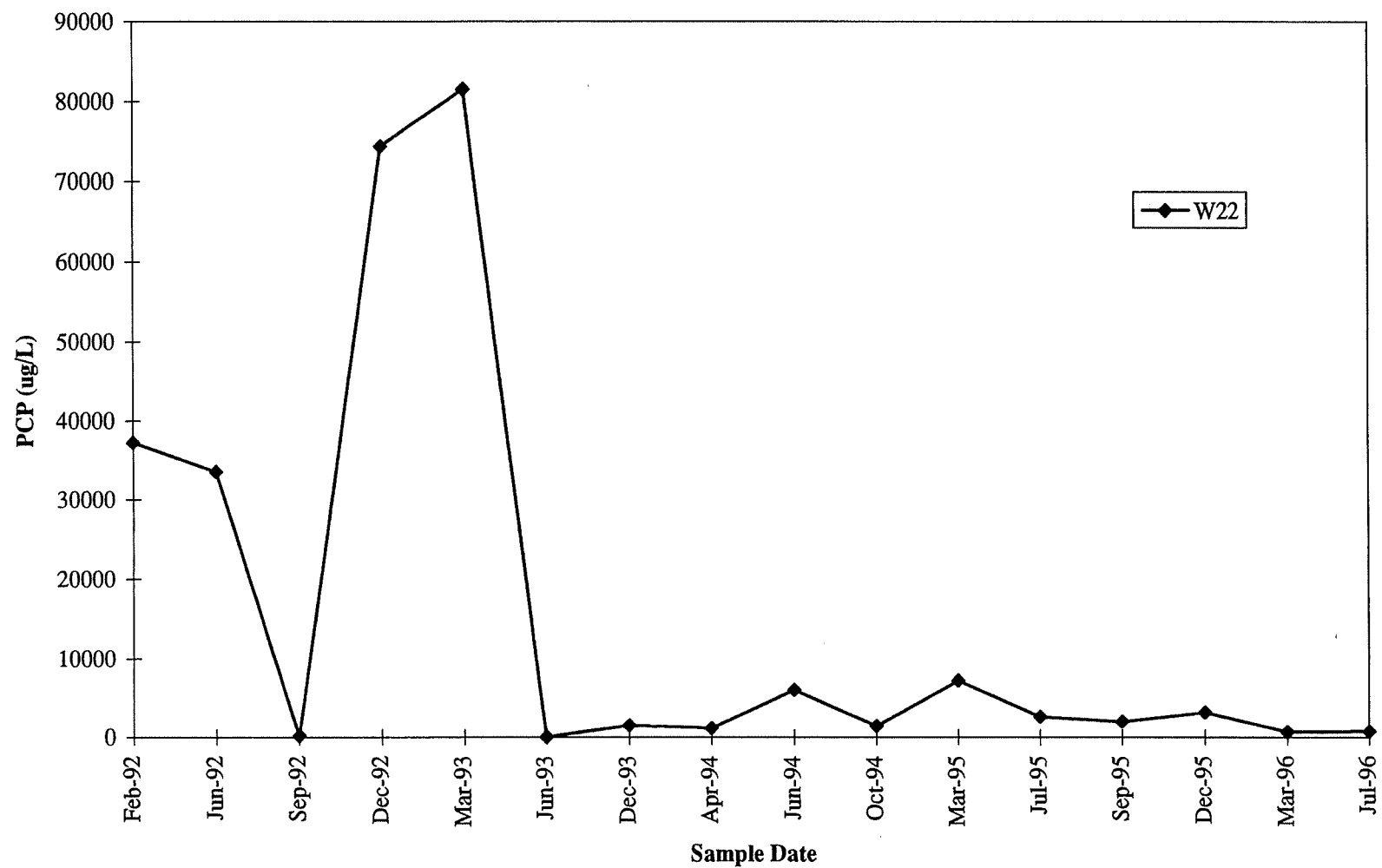
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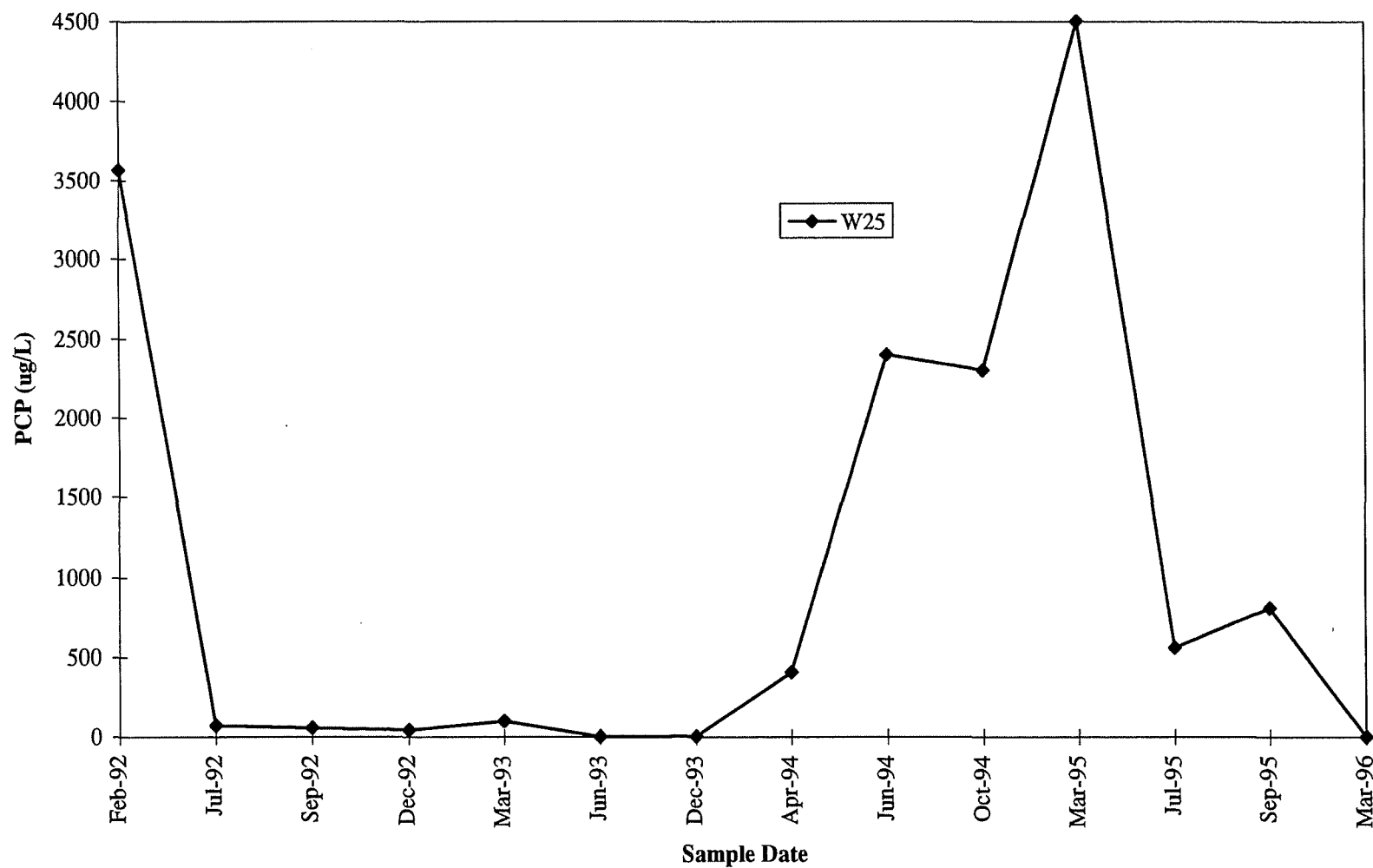
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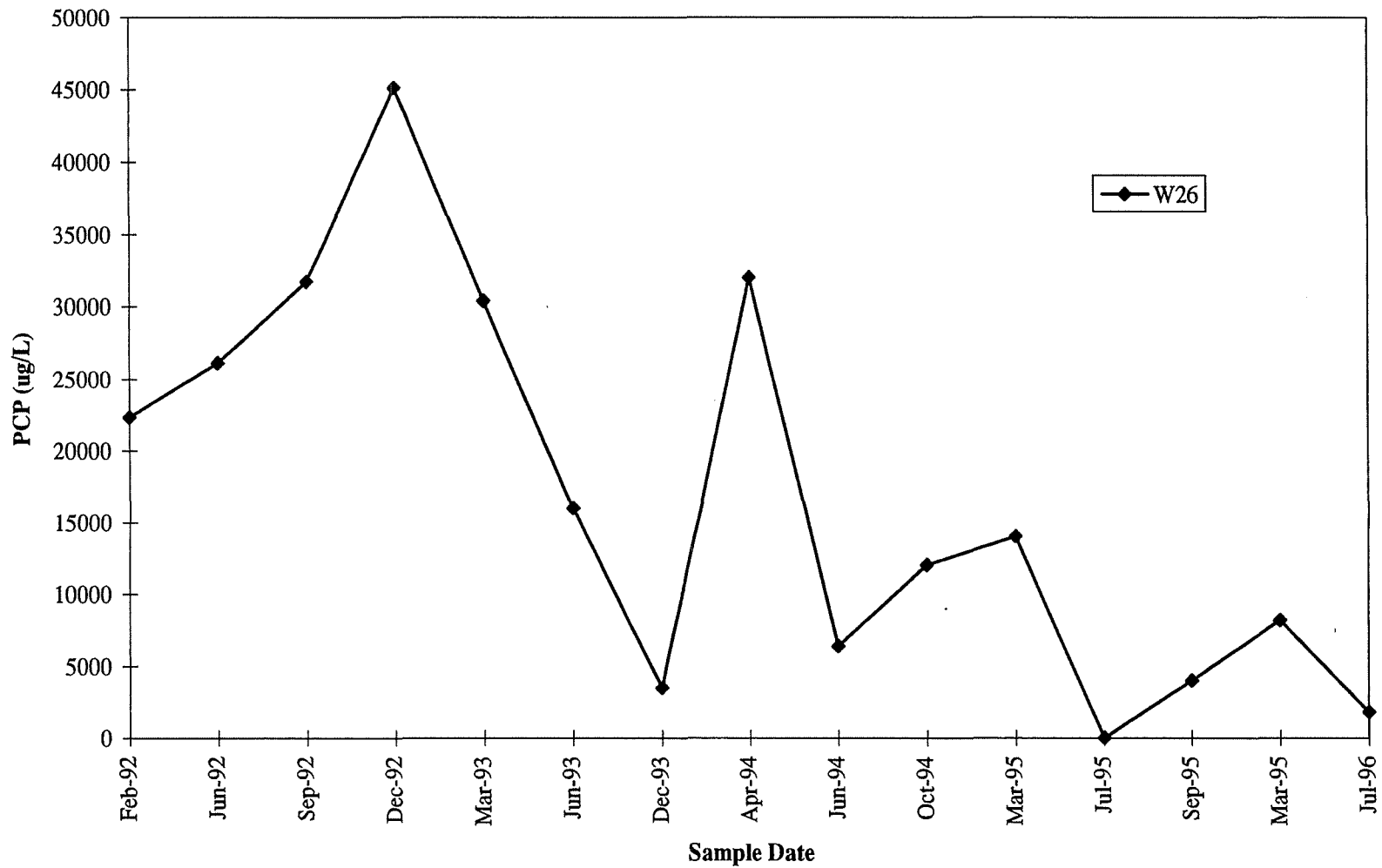
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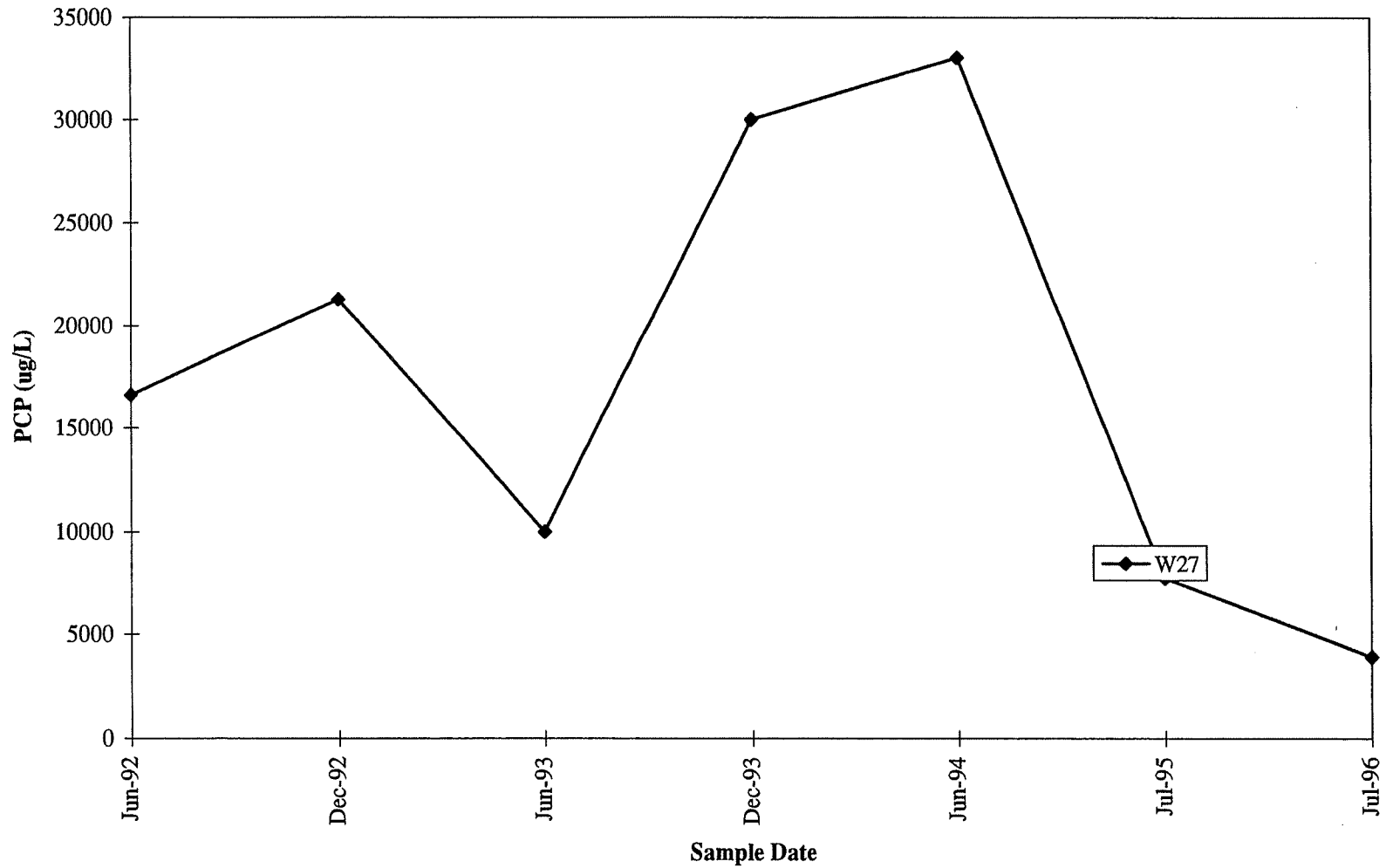
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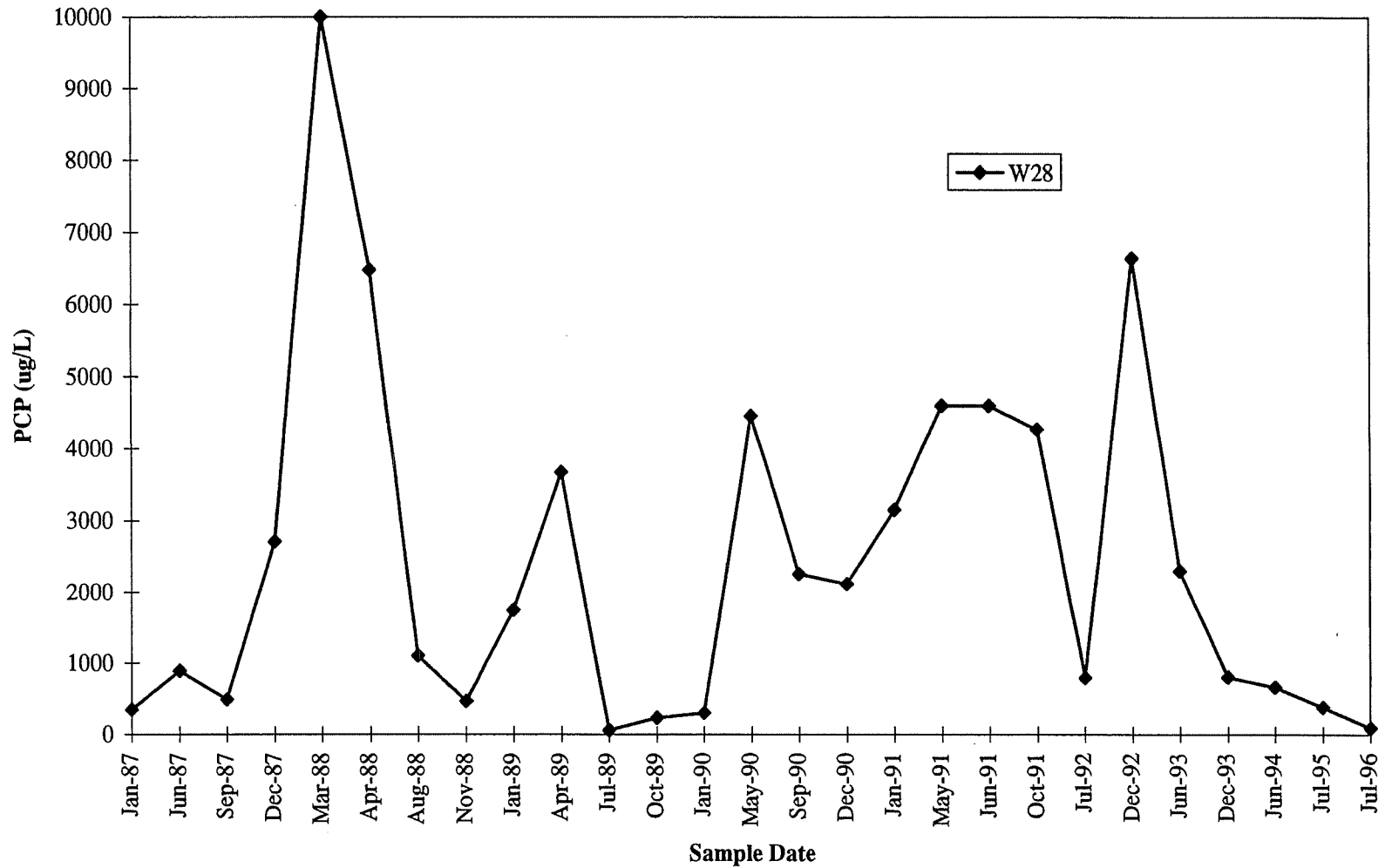
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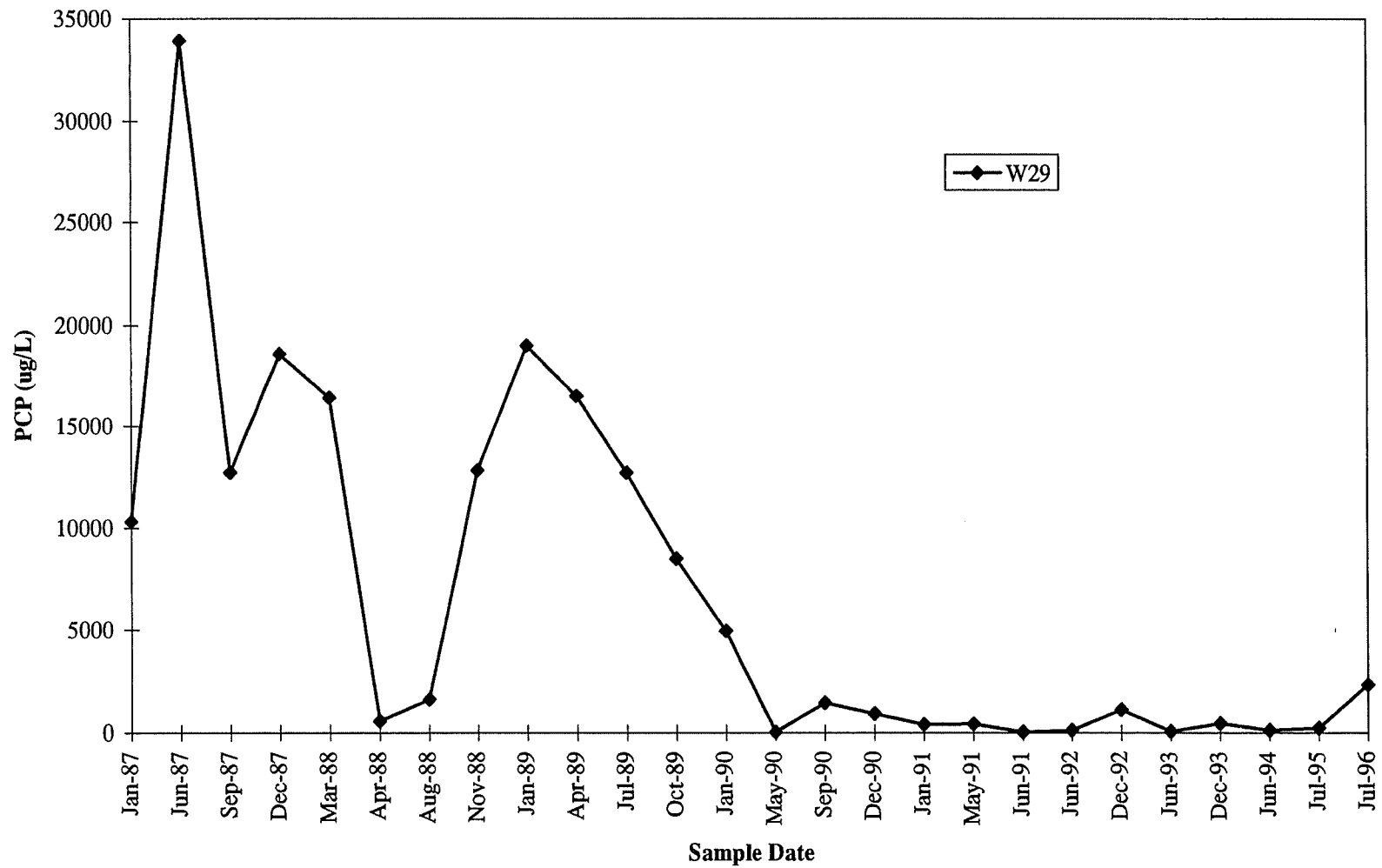
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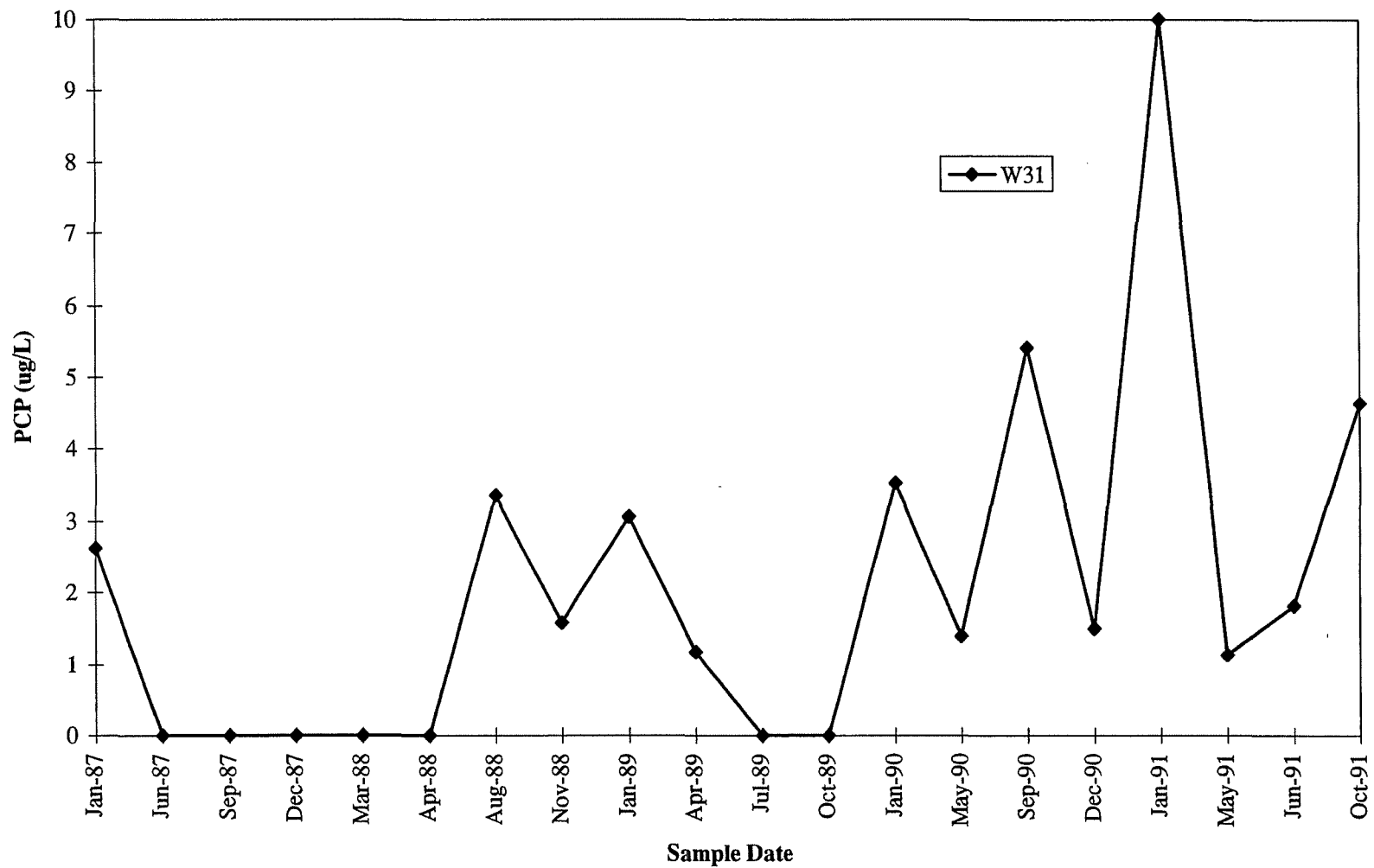
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



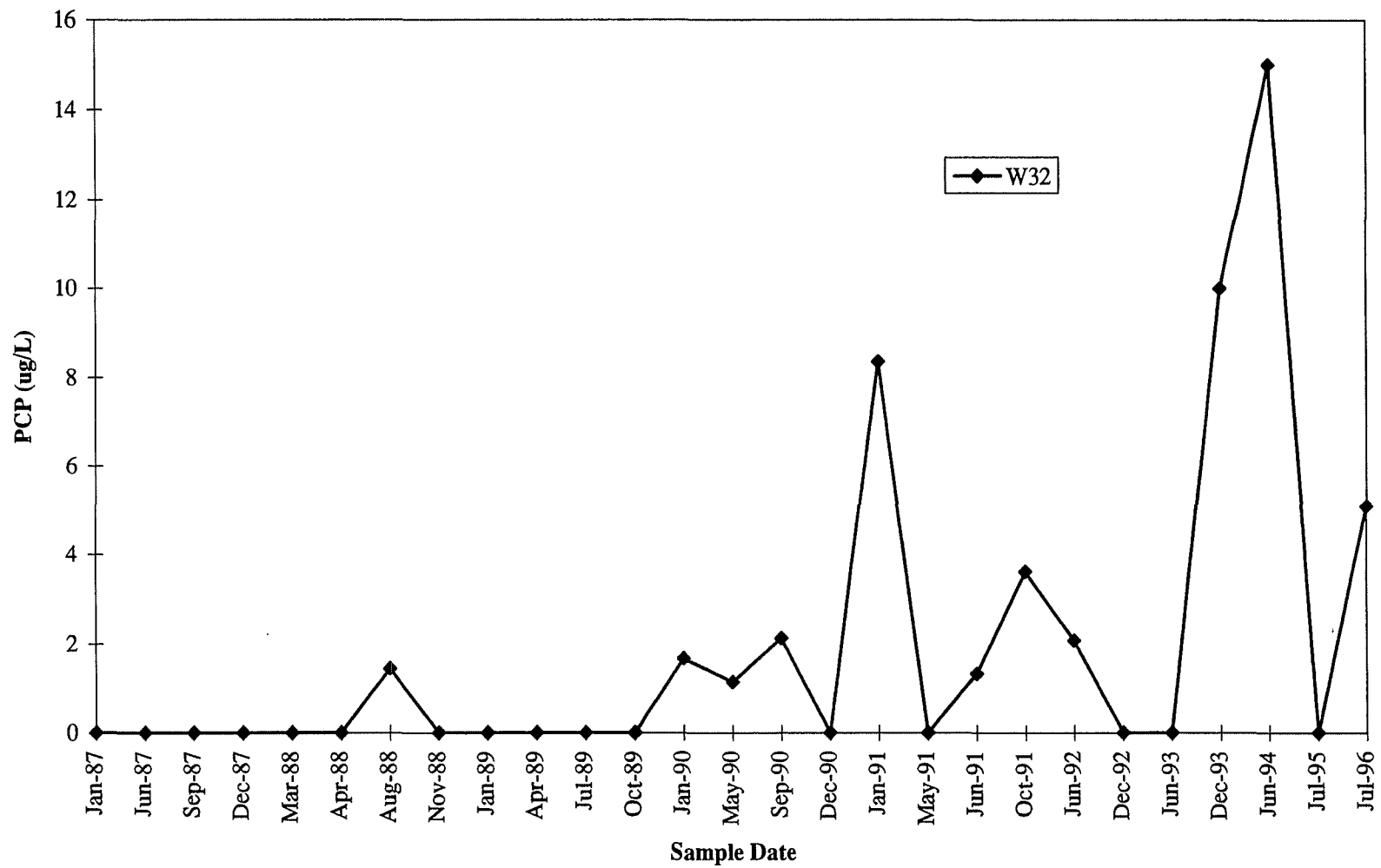
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



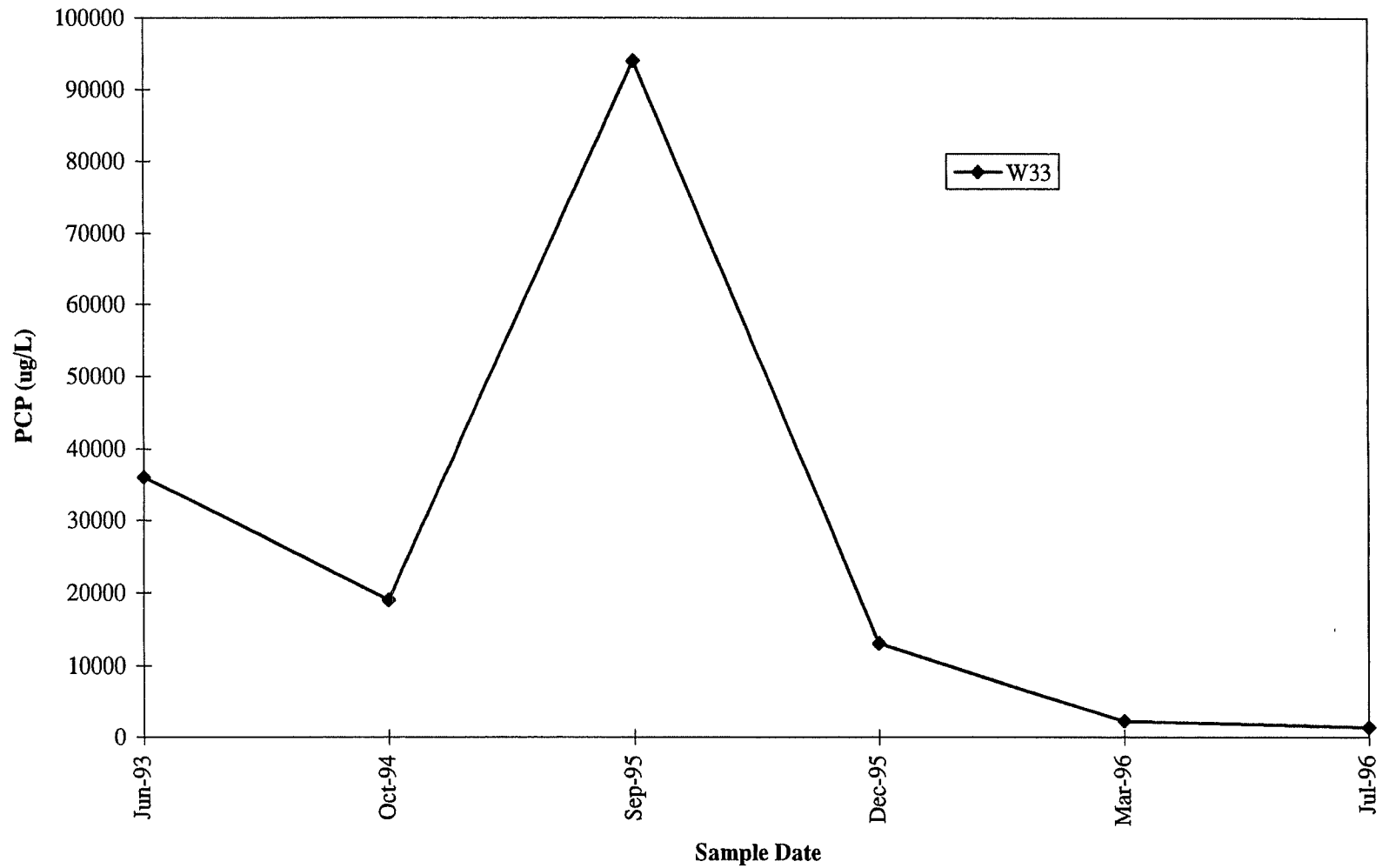
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



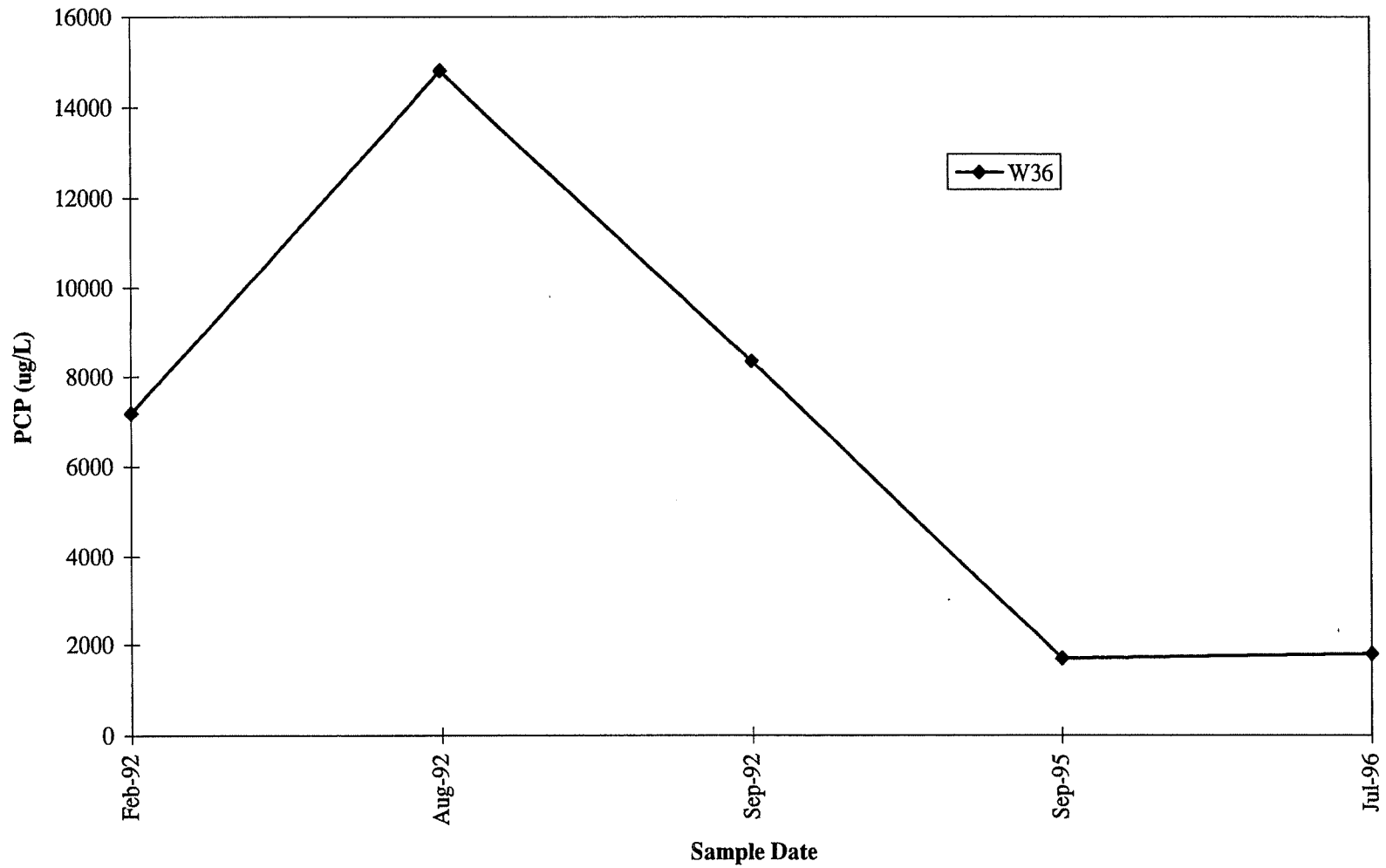
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



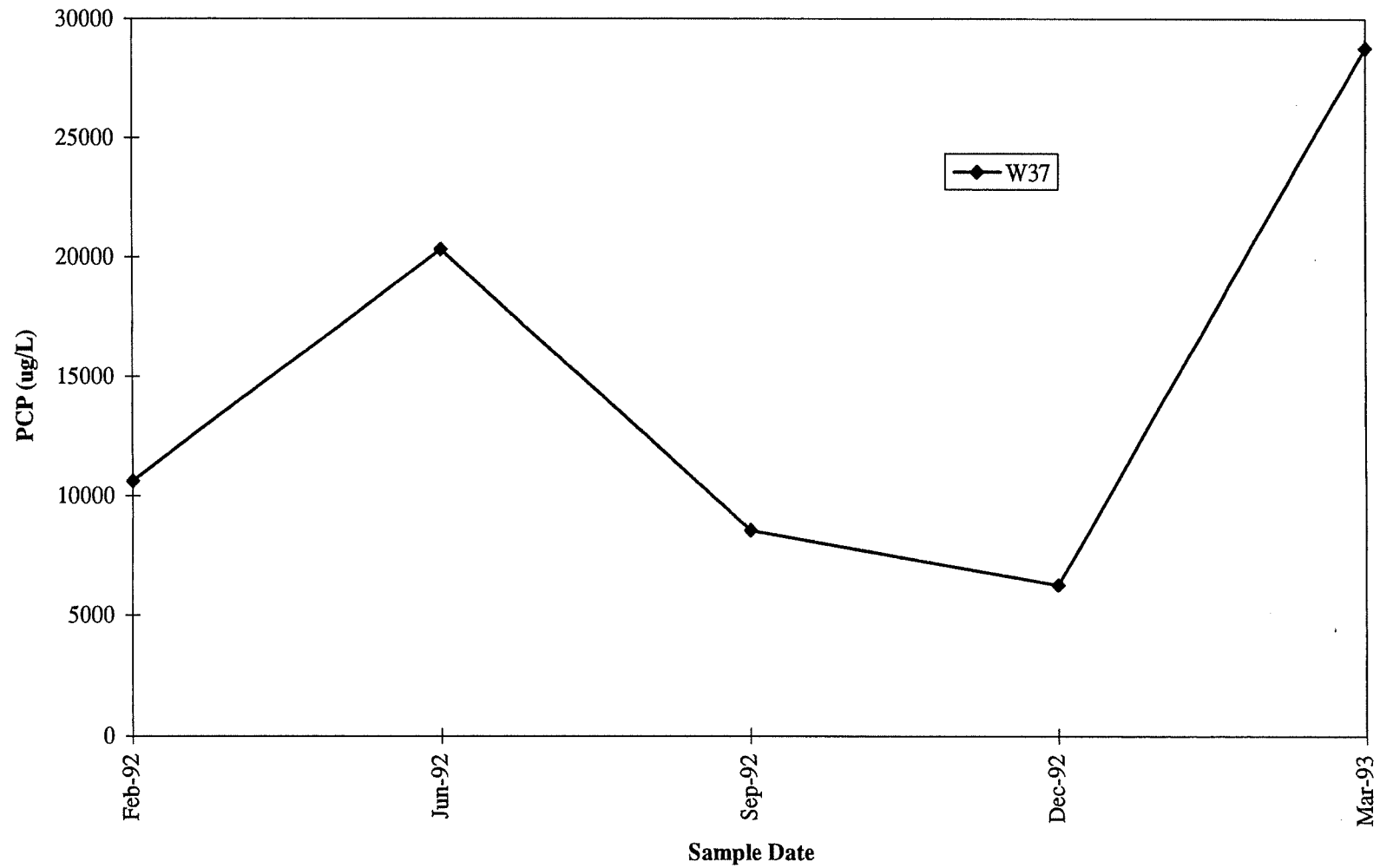
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



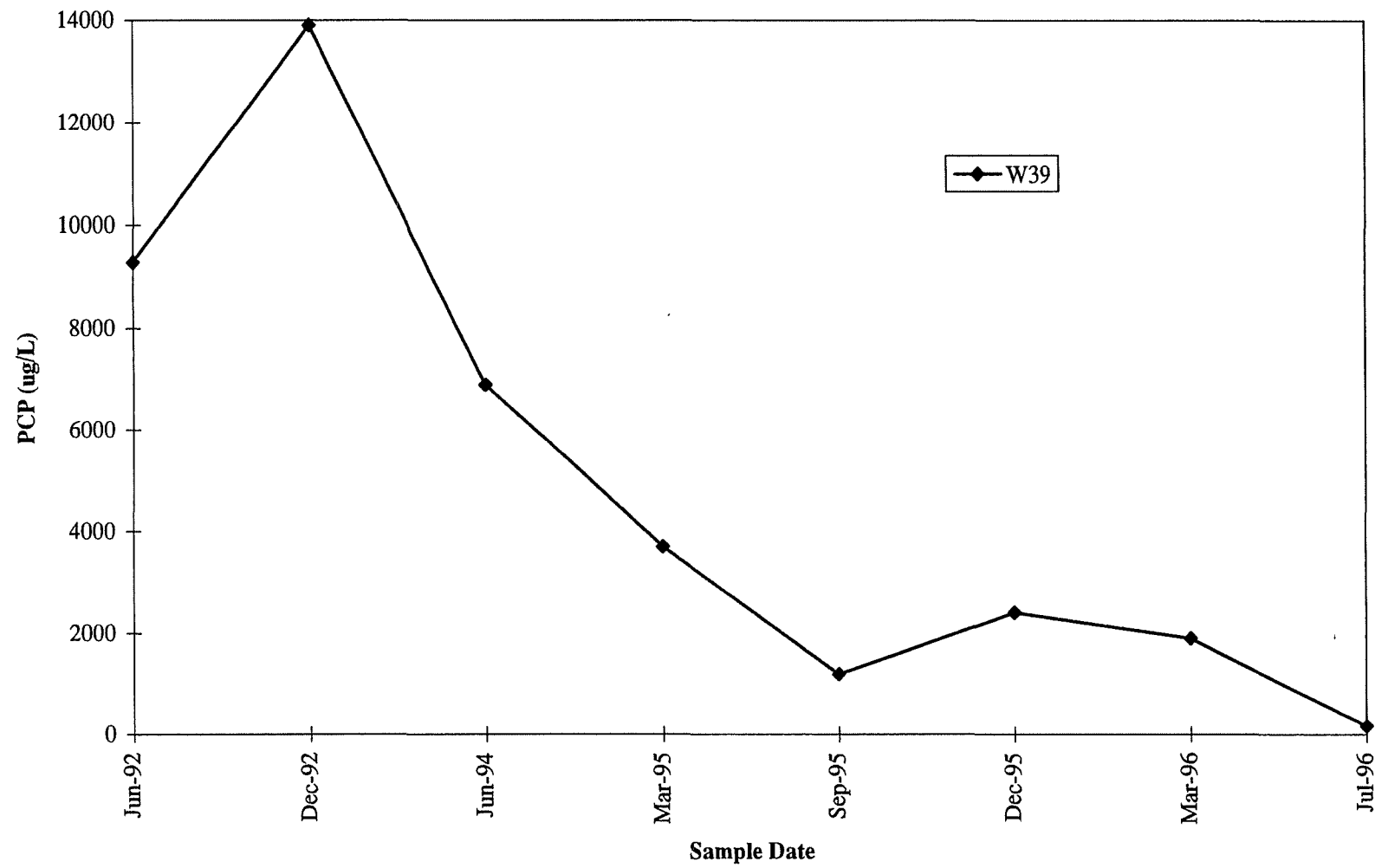
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



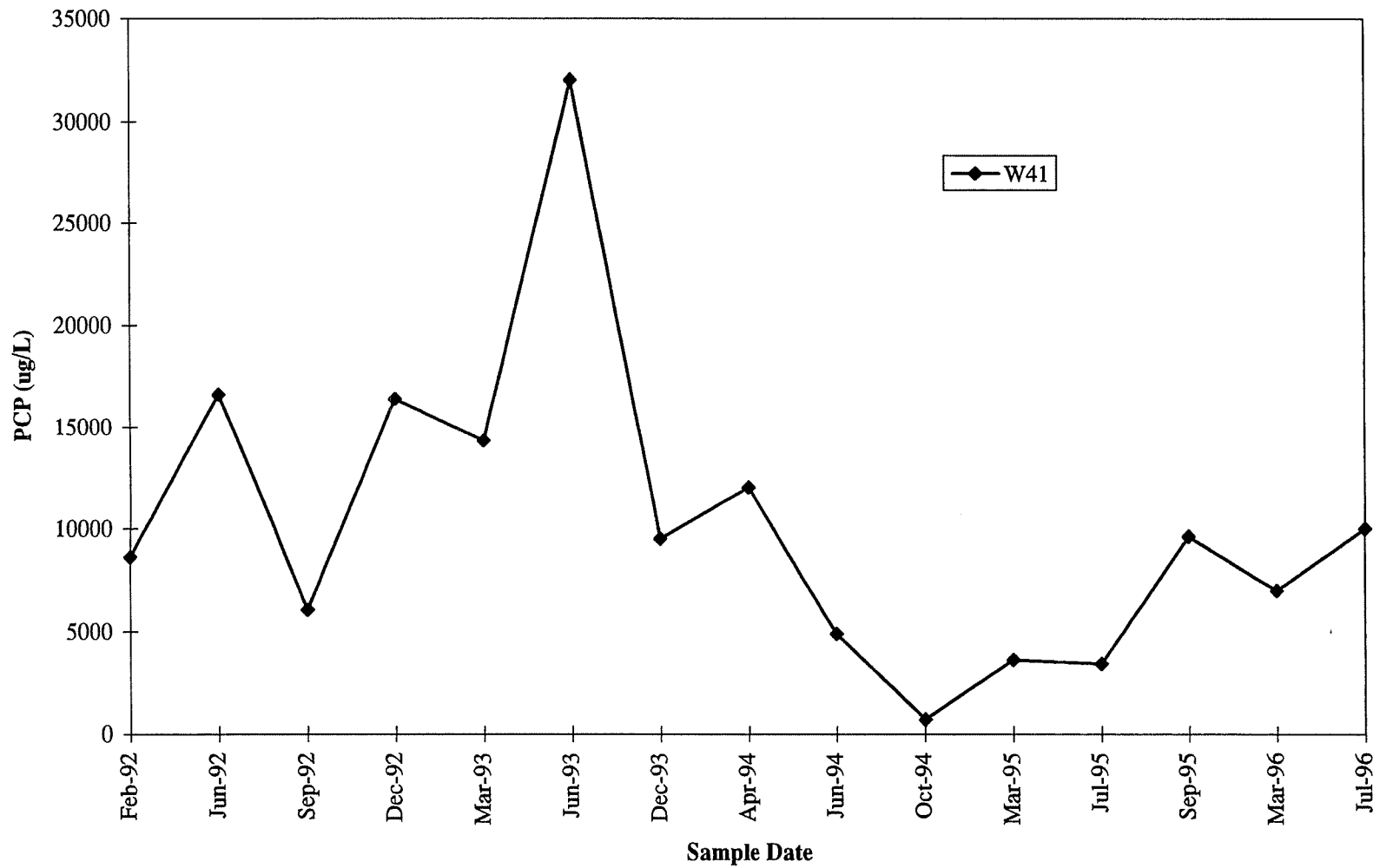
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



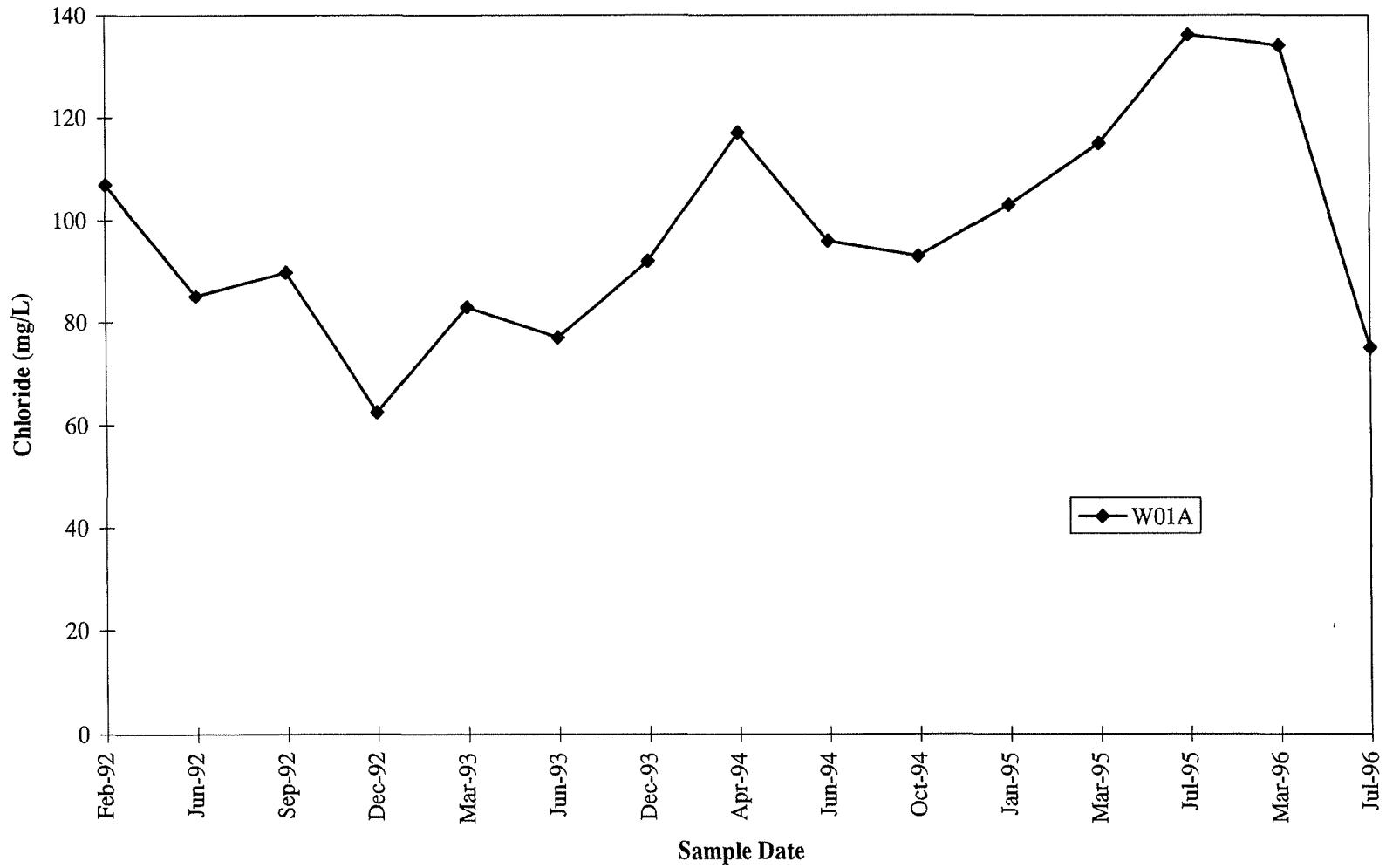
Pentachlorophenol Concentrations Quarterly Groundwater Monitoring



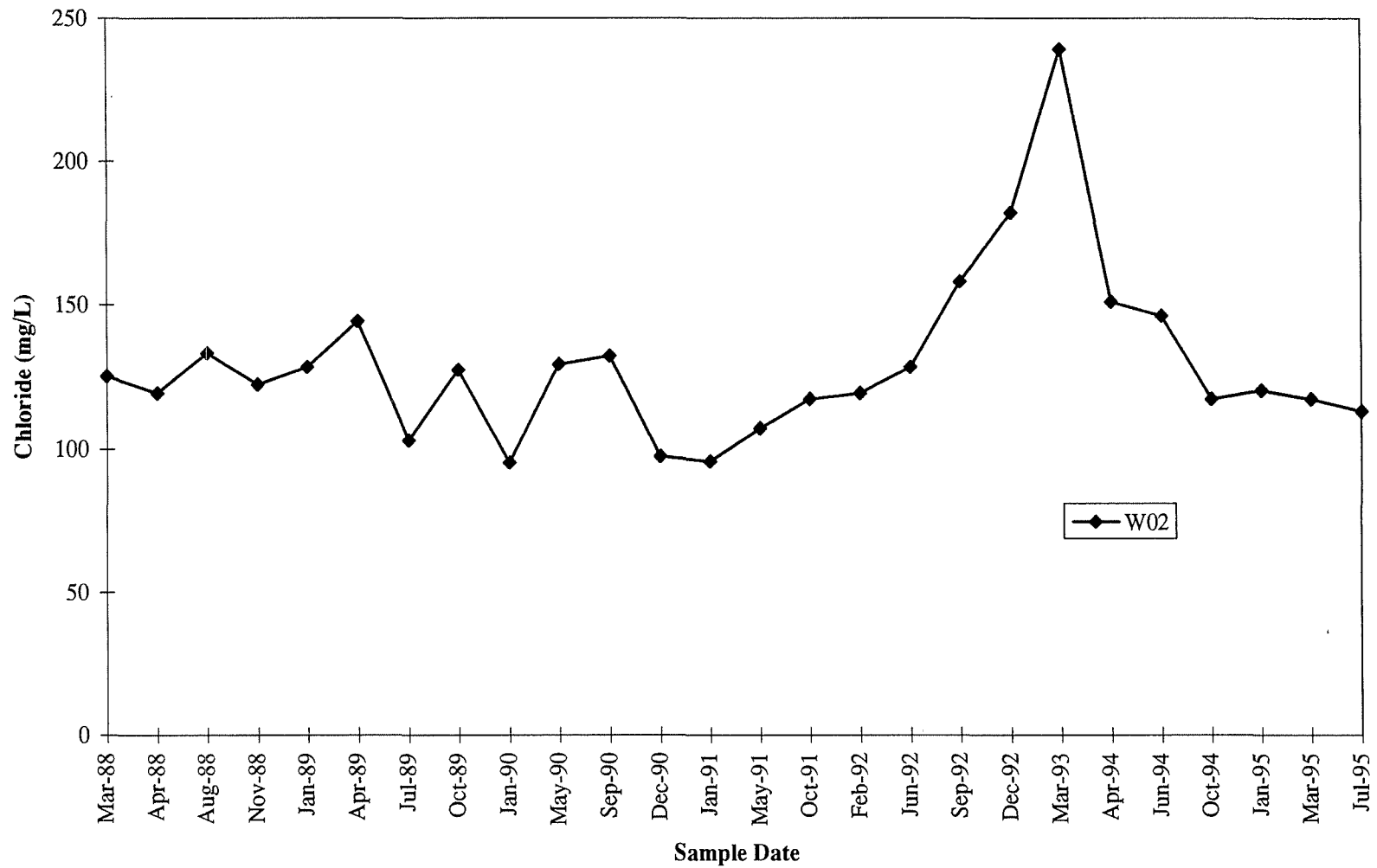
B2

CHLORIDE TIME TRENDS

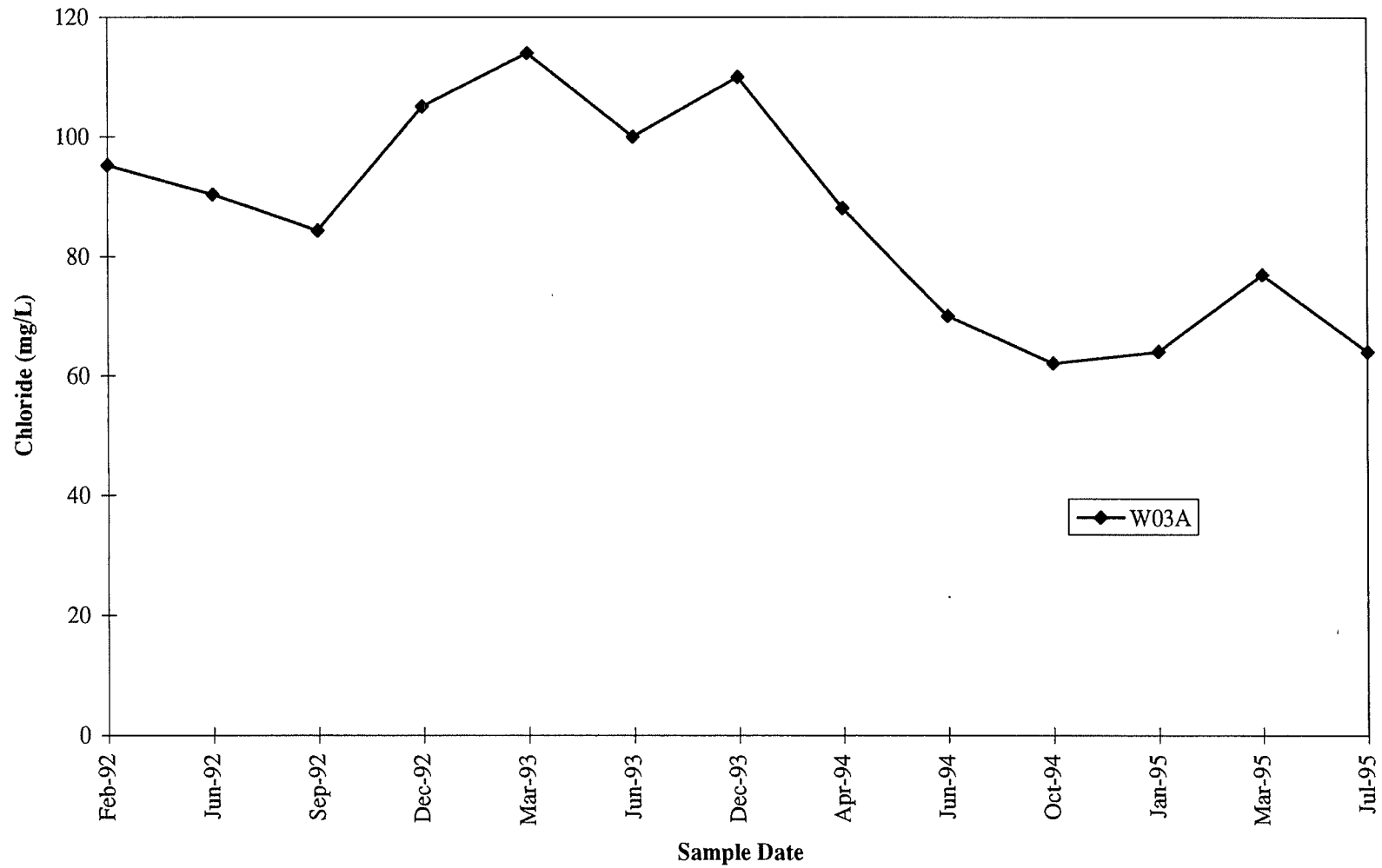
Chloride Concentrations Quarterly Groundwater Monitoring



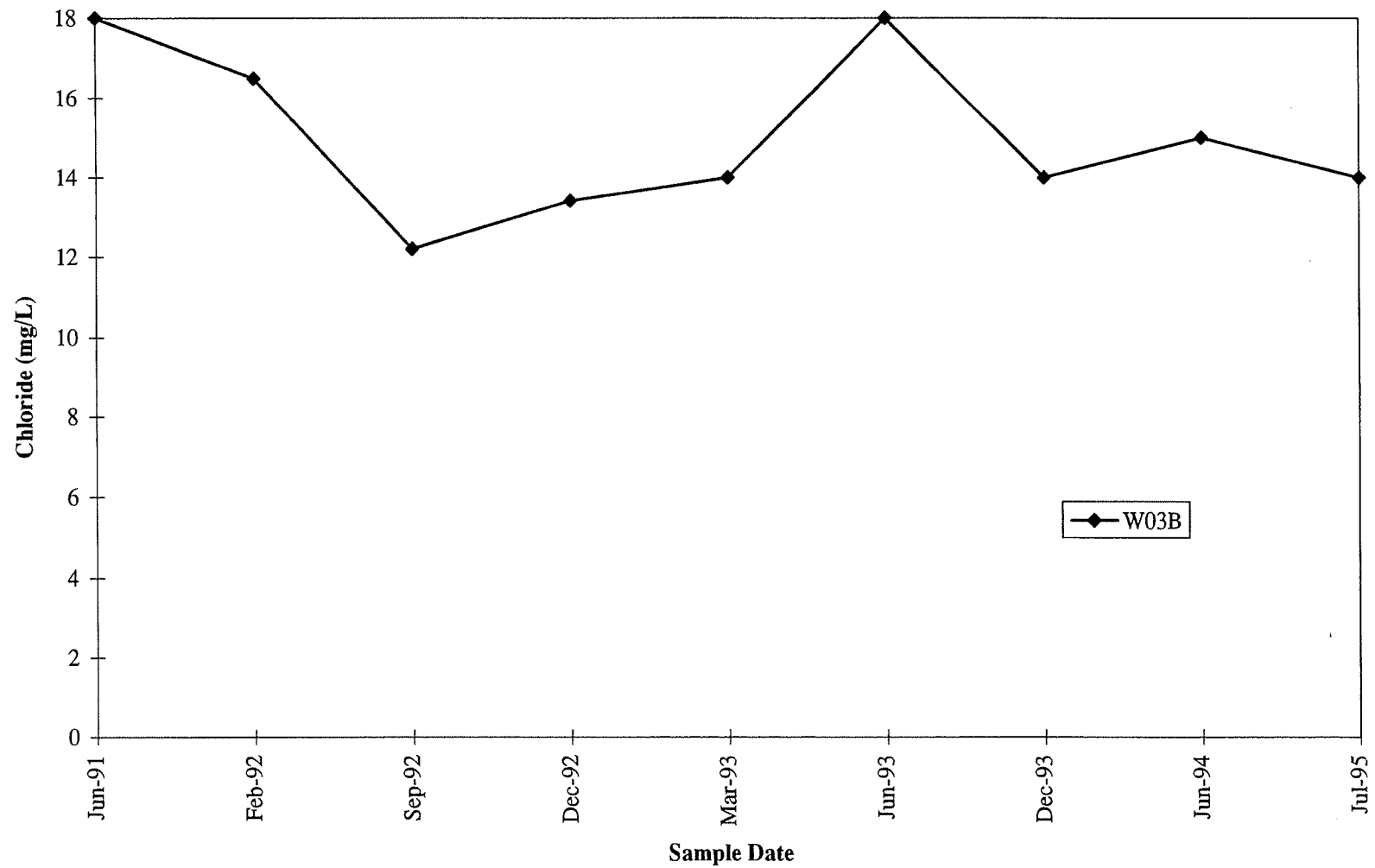
Chloride Concentrations Quarterly Groundwater Monitoring



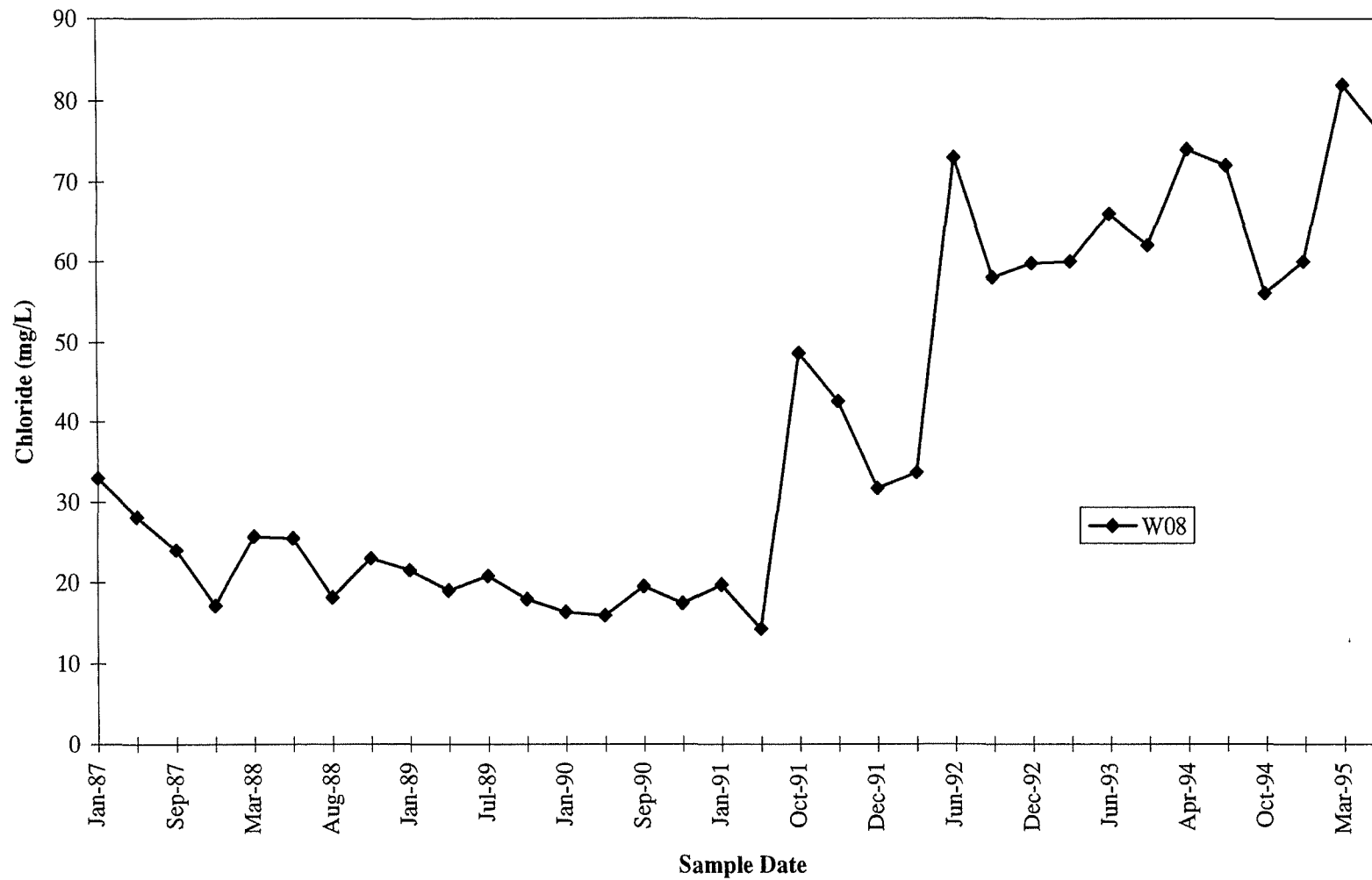
Chloride Concentrations Quarterly Groundwater Monitoring



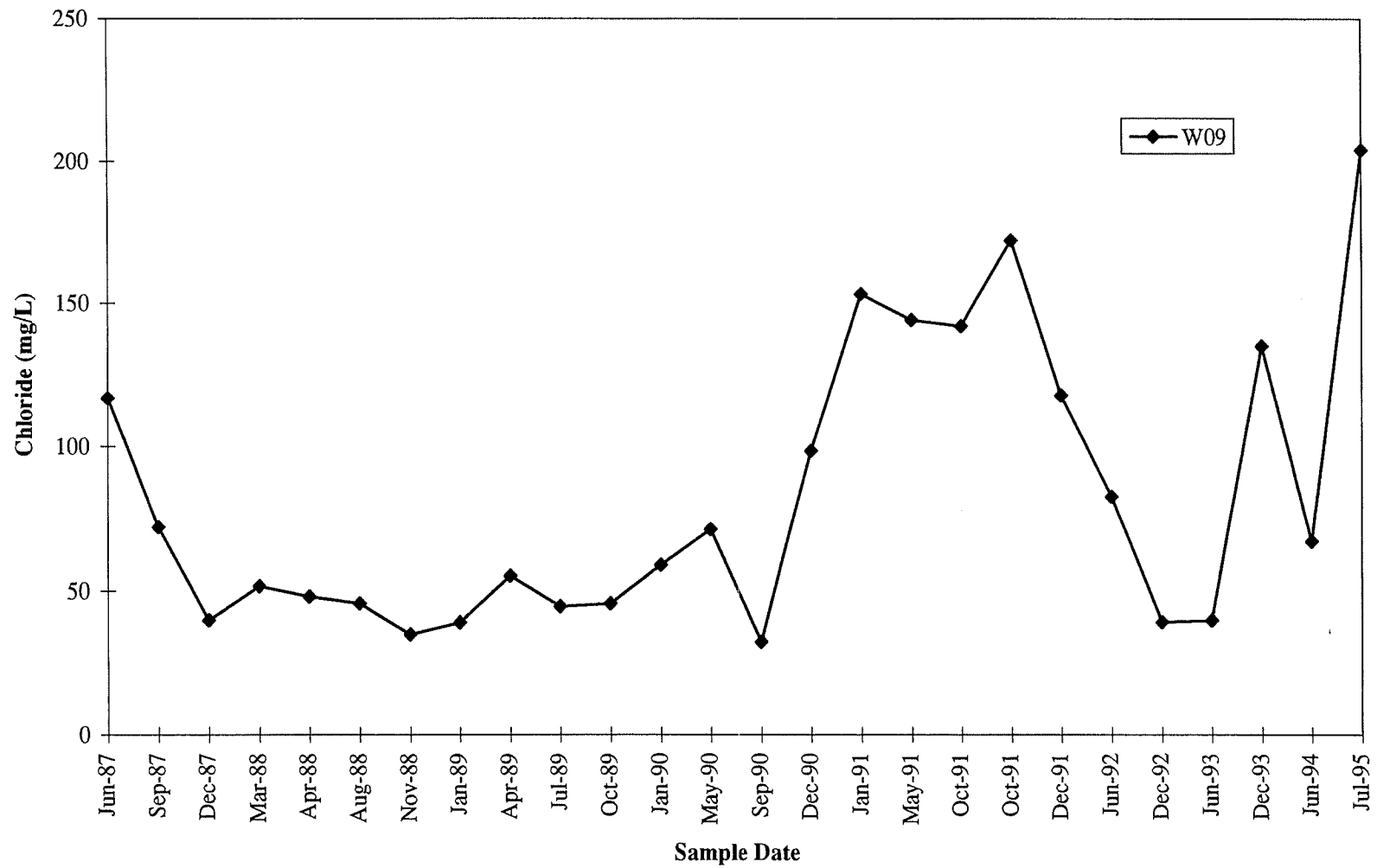
Chloride Concentrations Quarterly Groundwater Monitoring



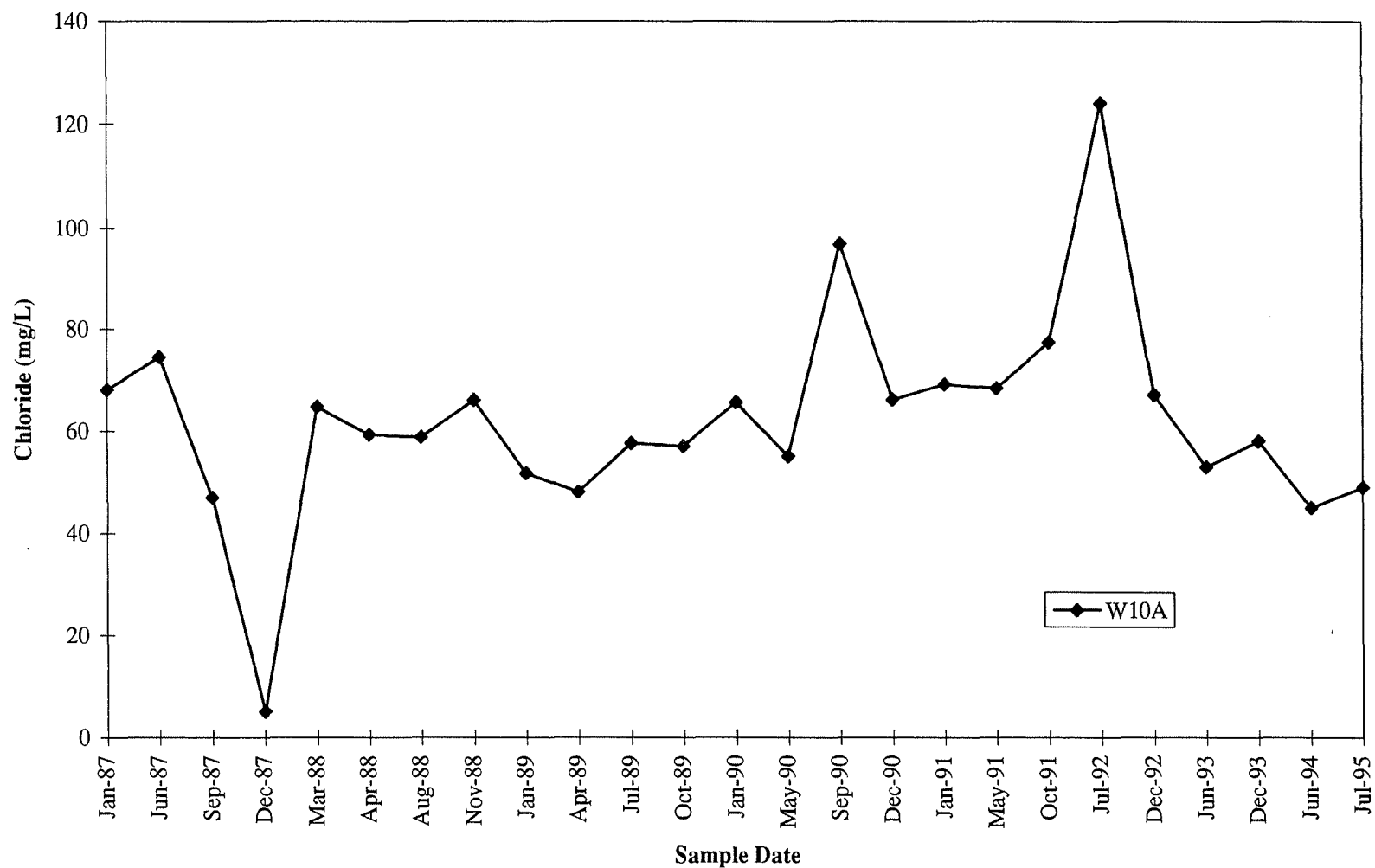
Chloride Concentrations Quarterly Groundwater Monitoring



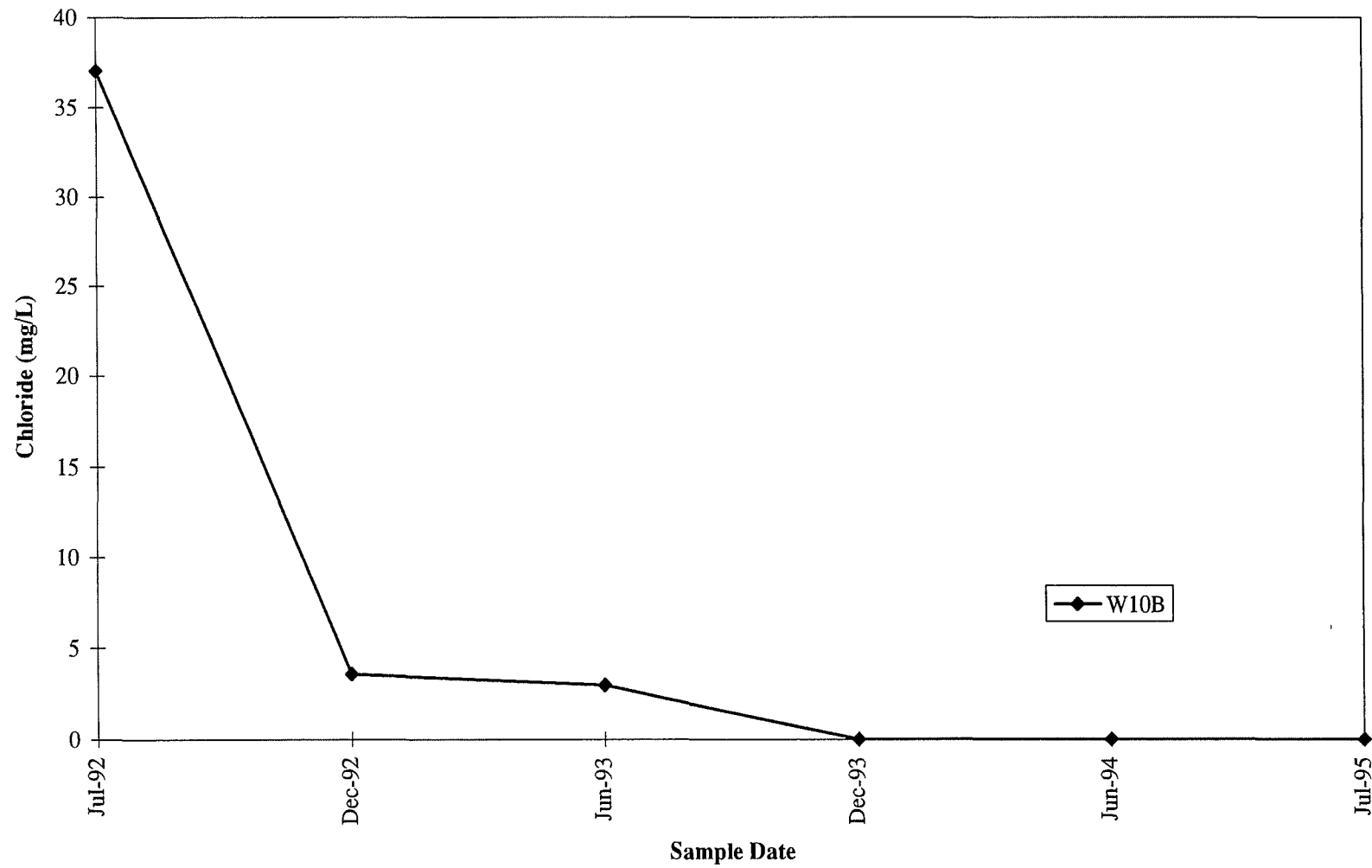
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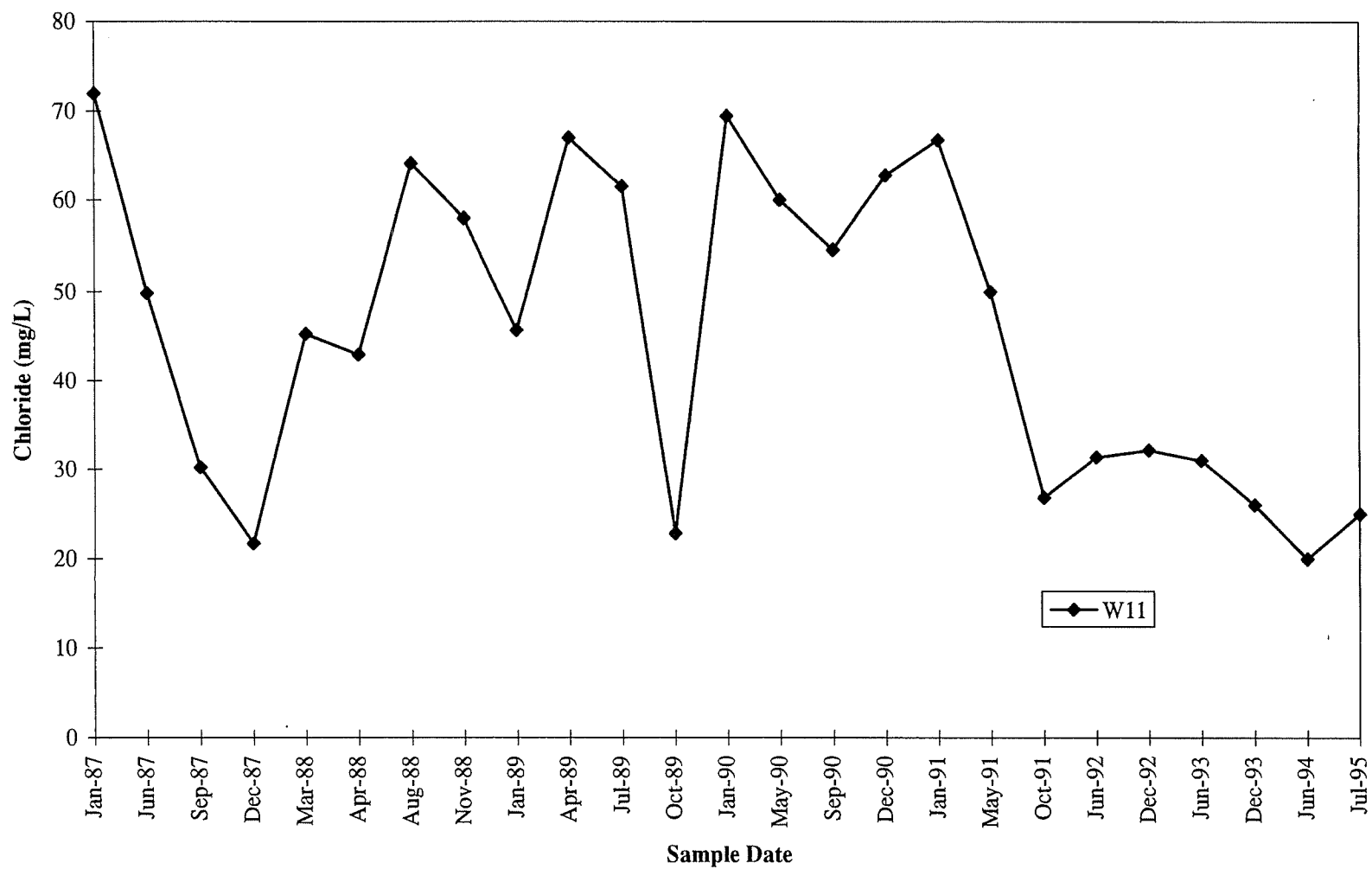
Chloride Concentrations Quarterly Groundwater Monitoring



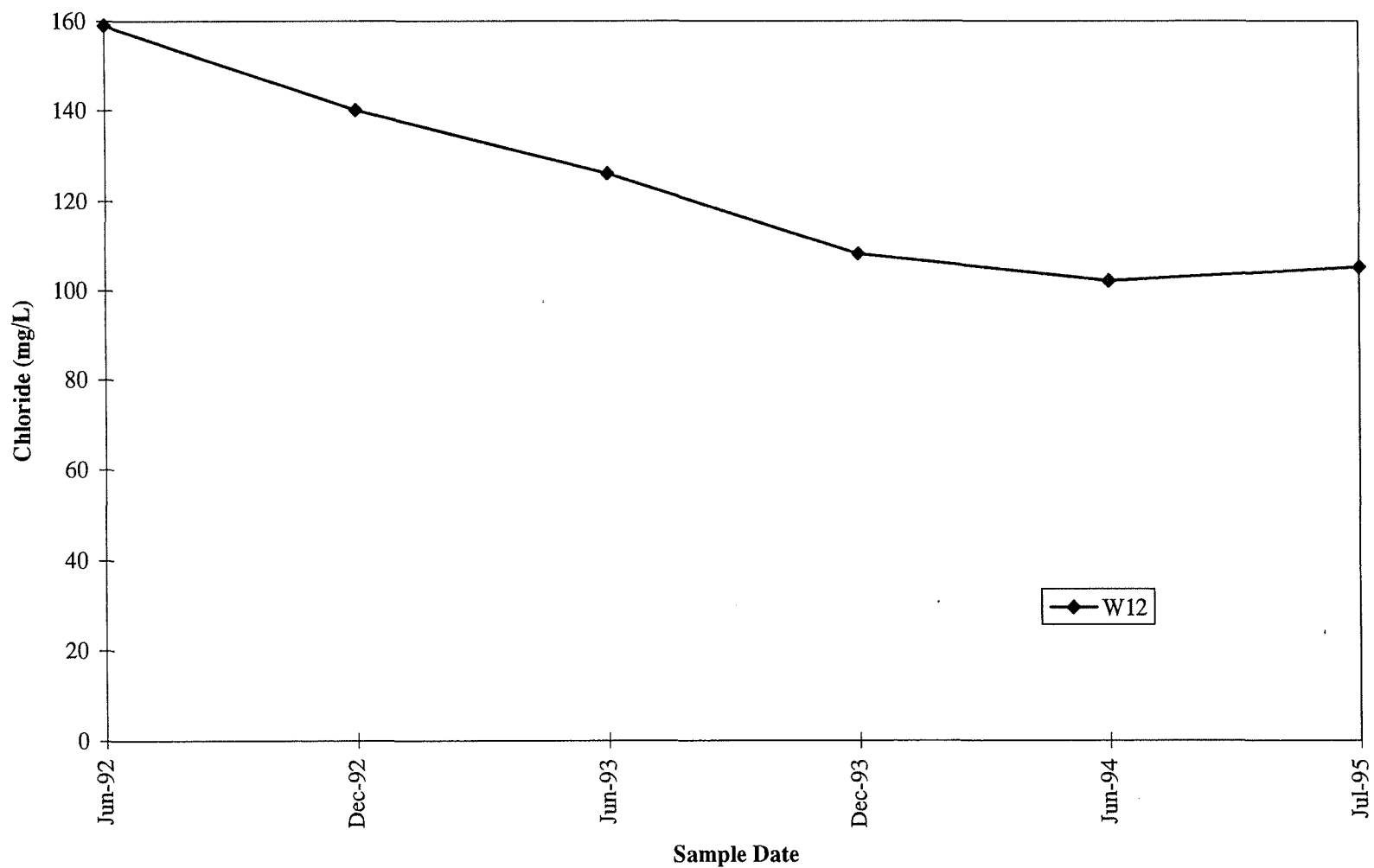
Chloride Concentrations Quarterly Groundwater Monitoring



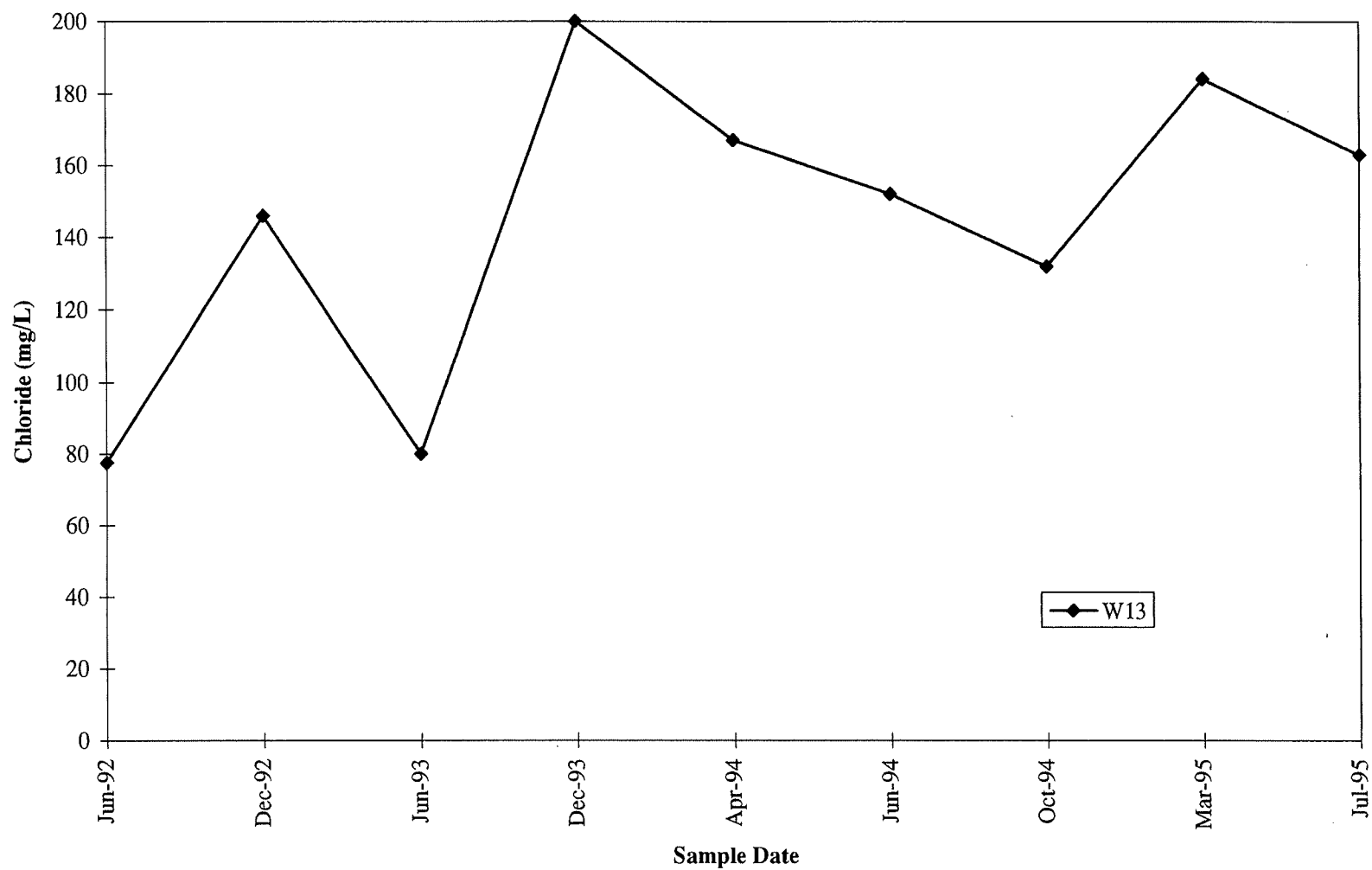
Chloride Concentrations Quarterly Groundwater Monitoring



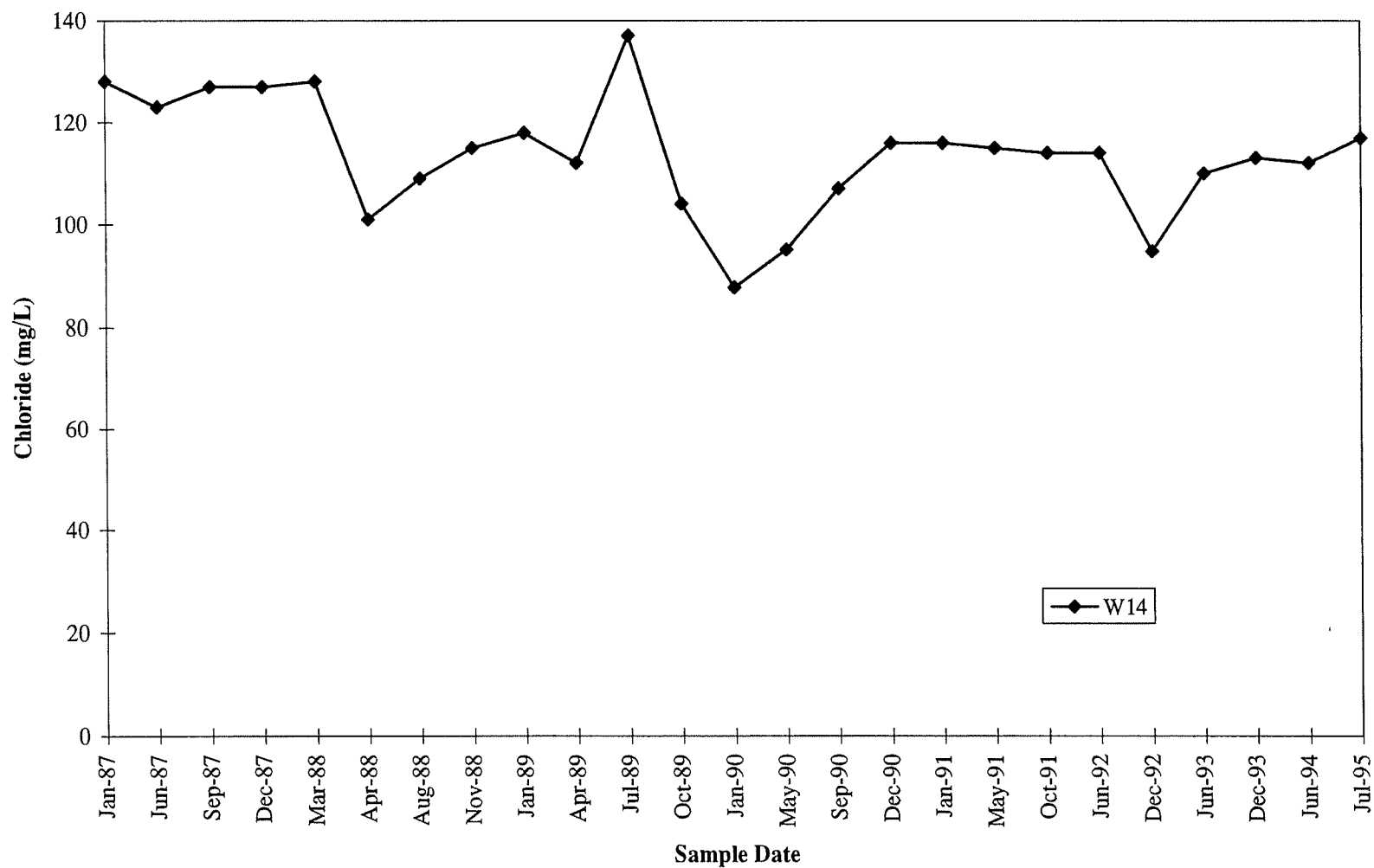
Chloride Concentrations Quarterly Groundwater Monitoring



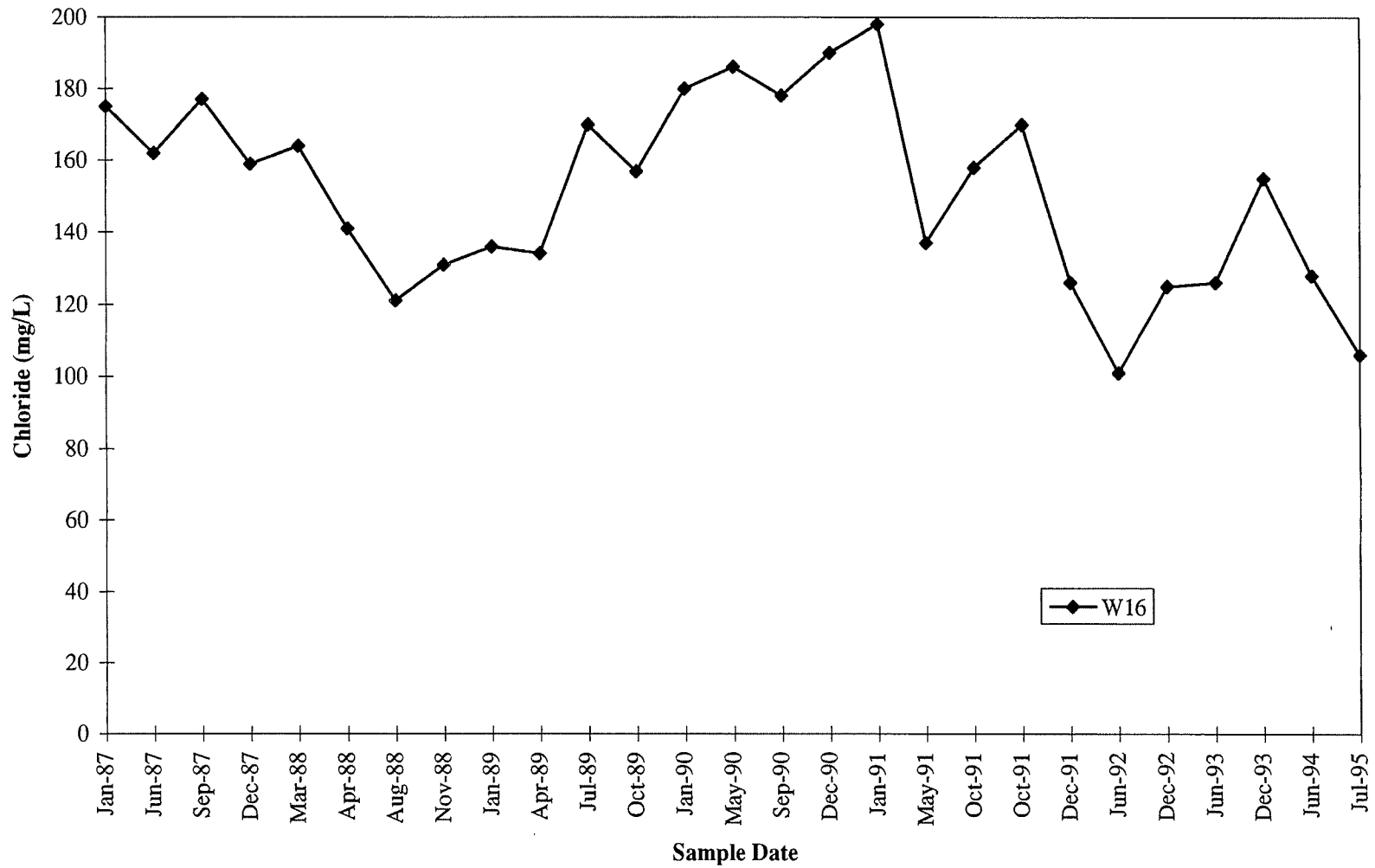
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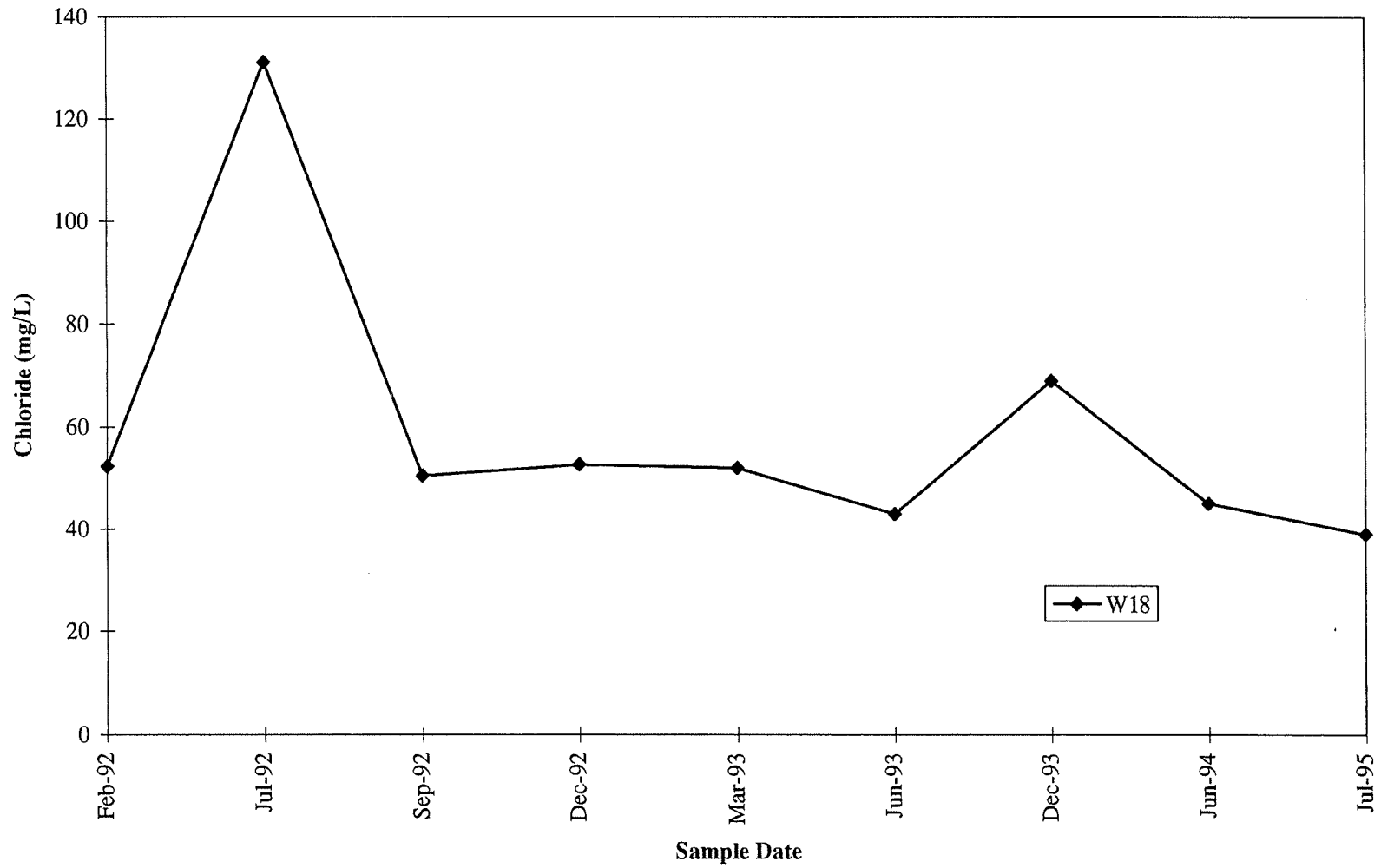
Chloride Concentrations Quarterly Groundwater Monitoring



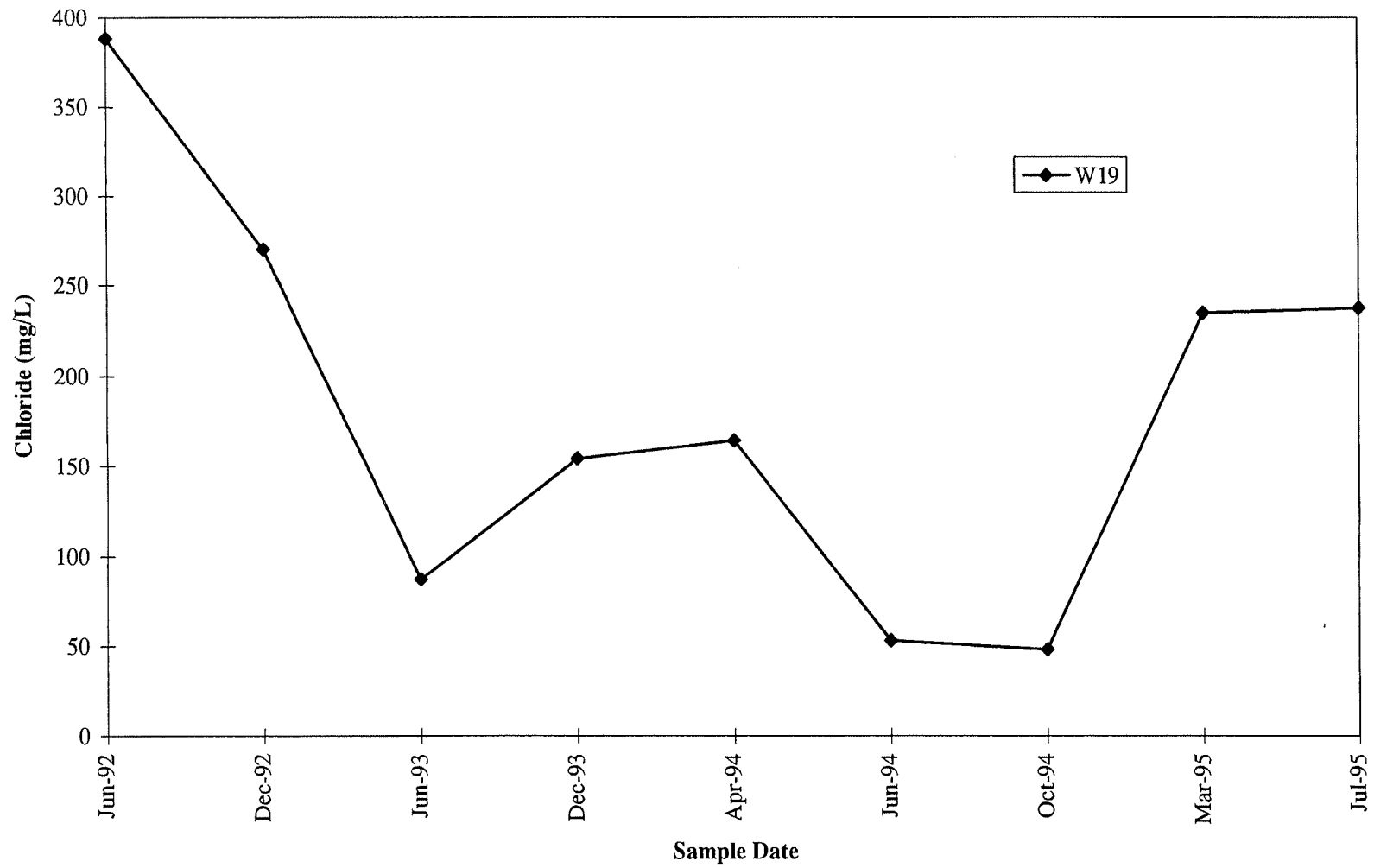
Chloride Concentrations Quarterly Groundwater Monitoring



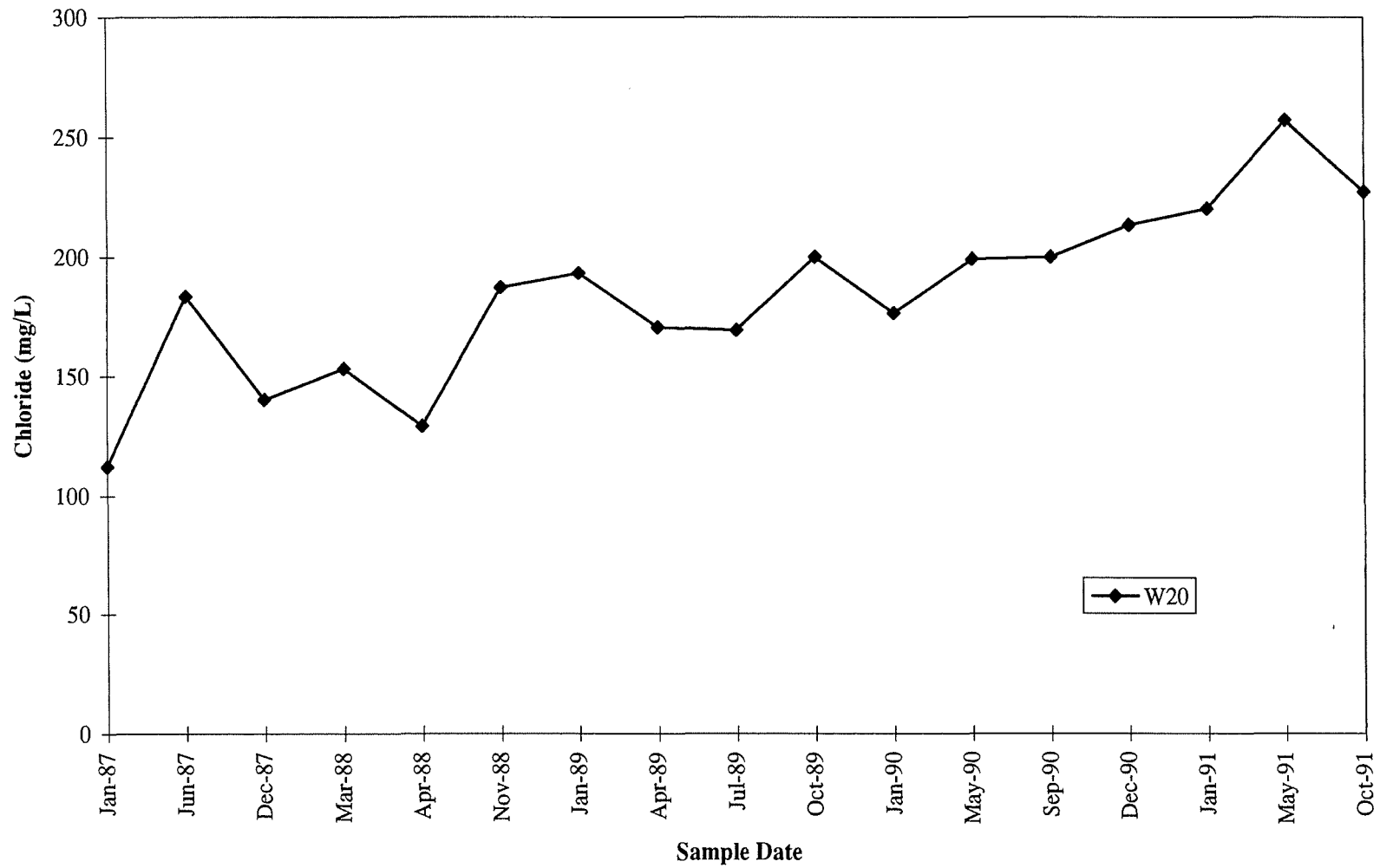
Chloride Concentrations Quarterly Groundwater Monitoring



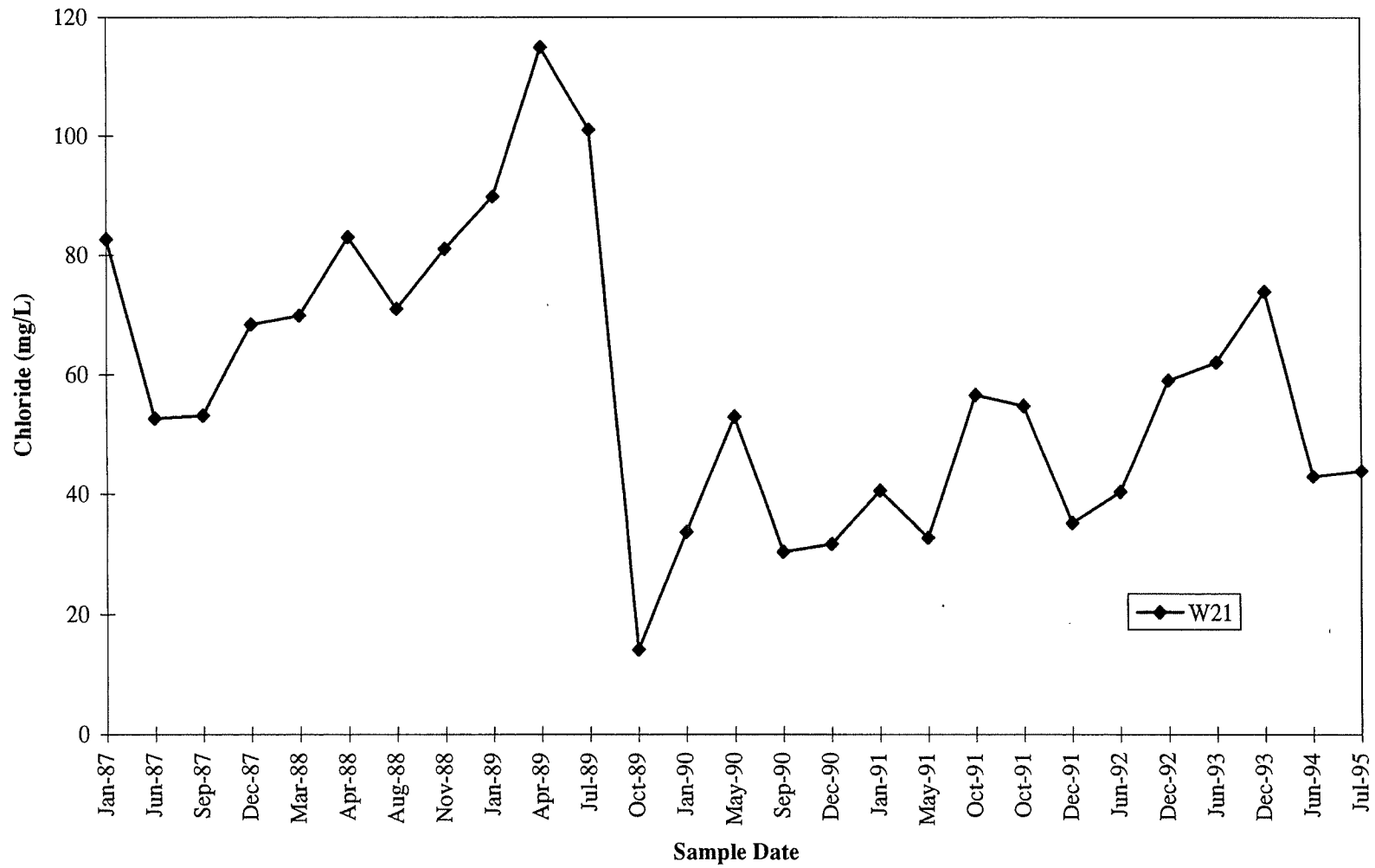
Chloride Concentrations Quarterly Groundwater Monitoring



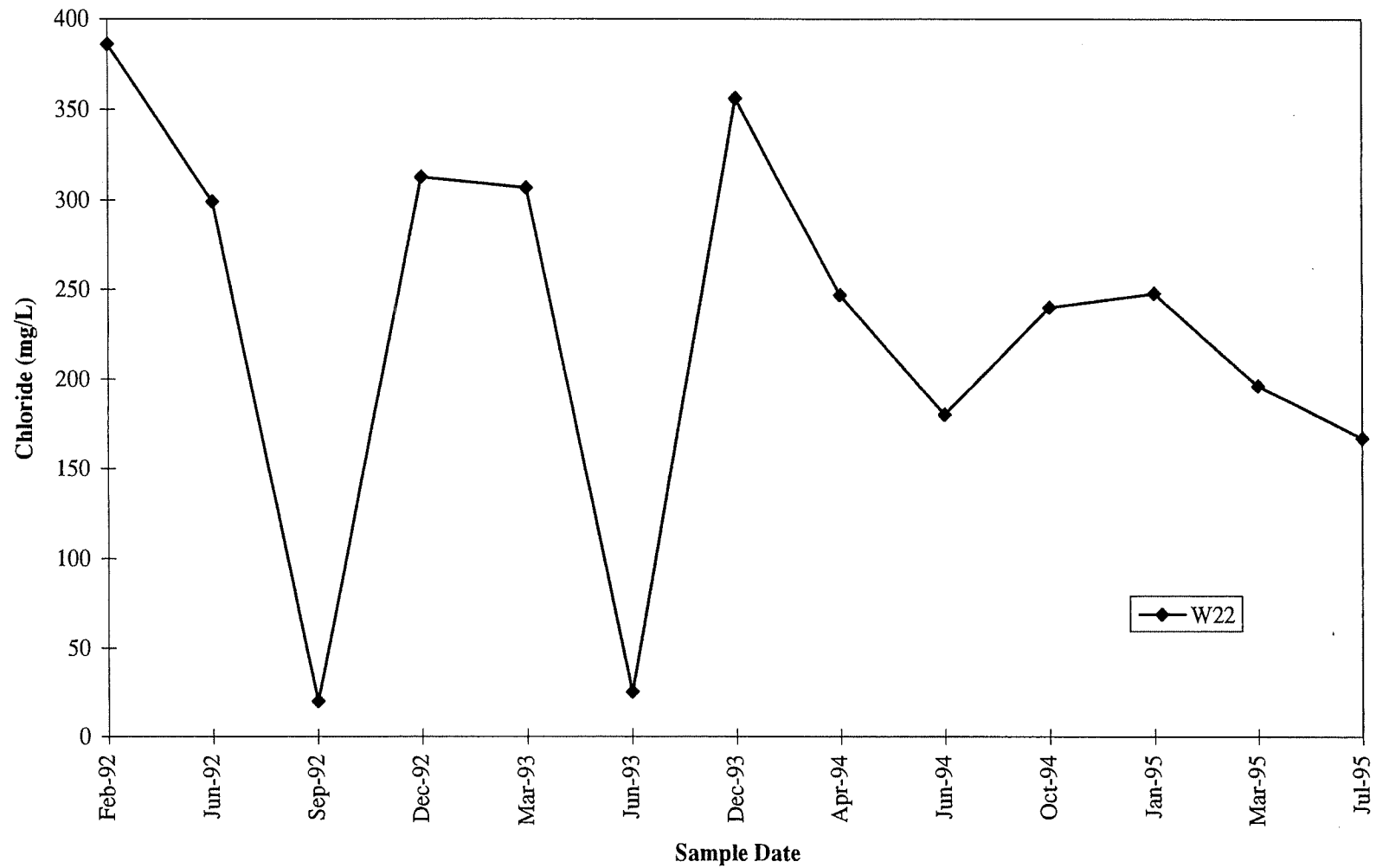
Chloride Concentrations Quarterly Groundwater Monitoring



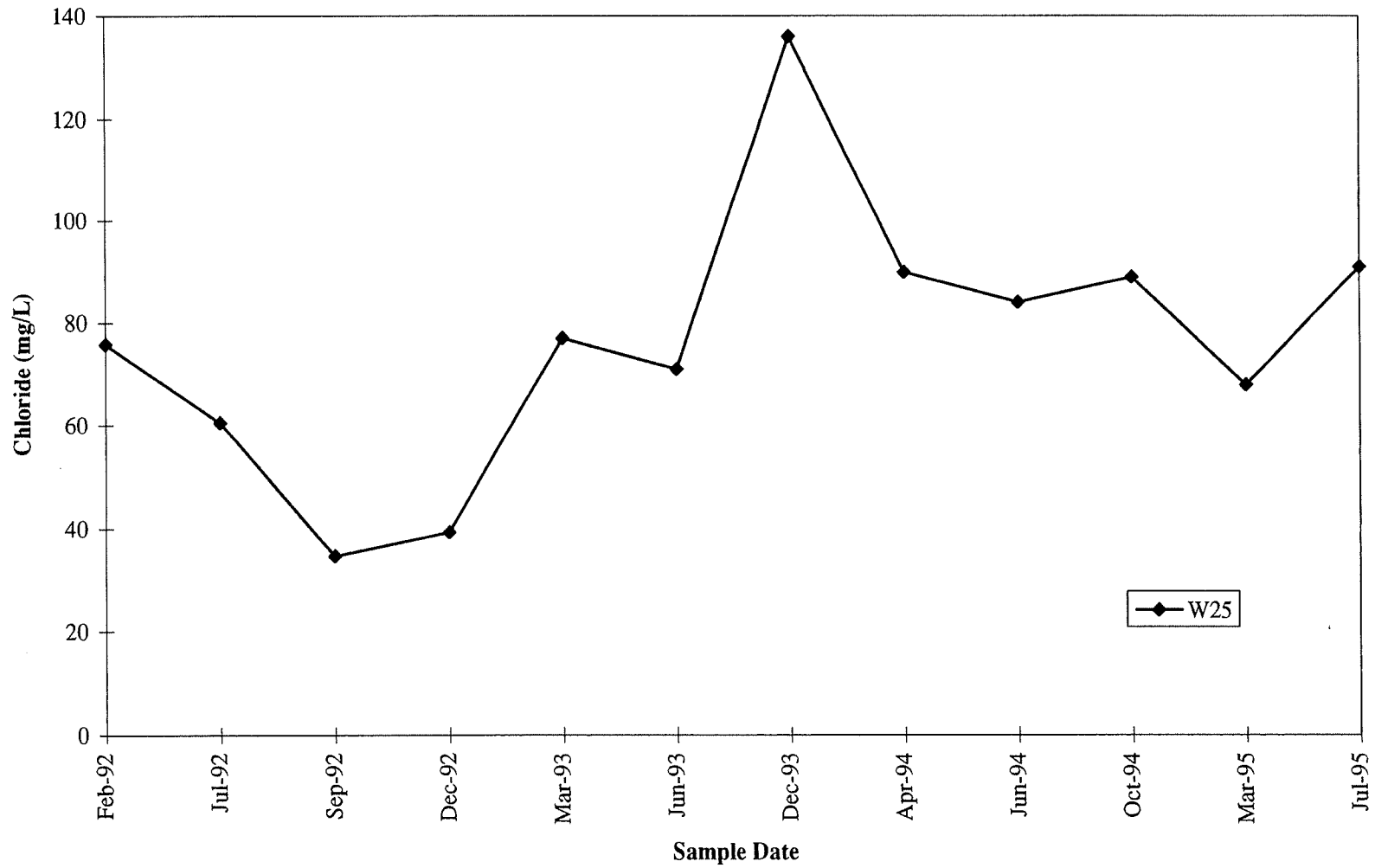
Chloride Concentrations Quarterly Groundwater Monitoring



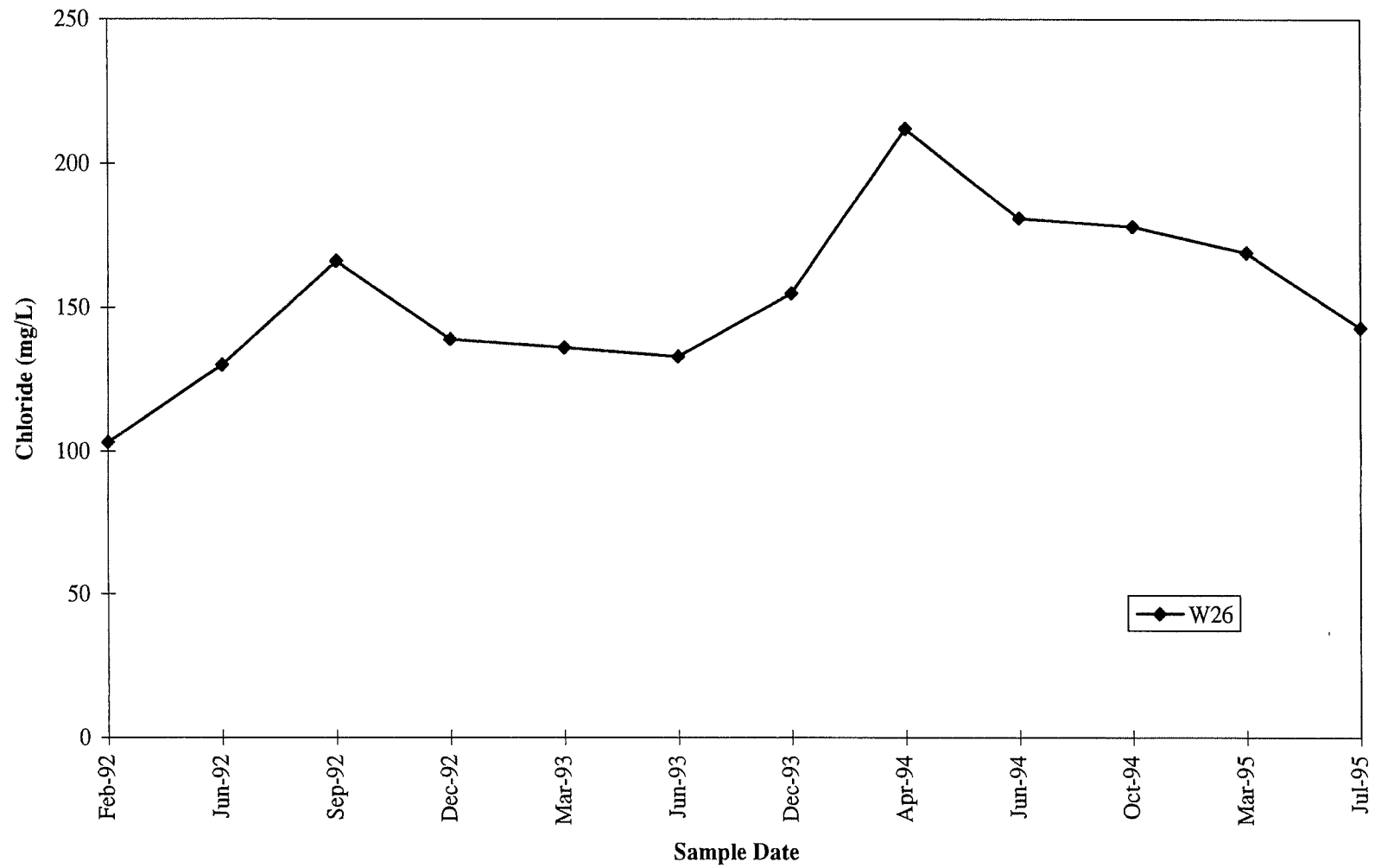
Chloride Concentrations Quarterly Groundwater Monitoring



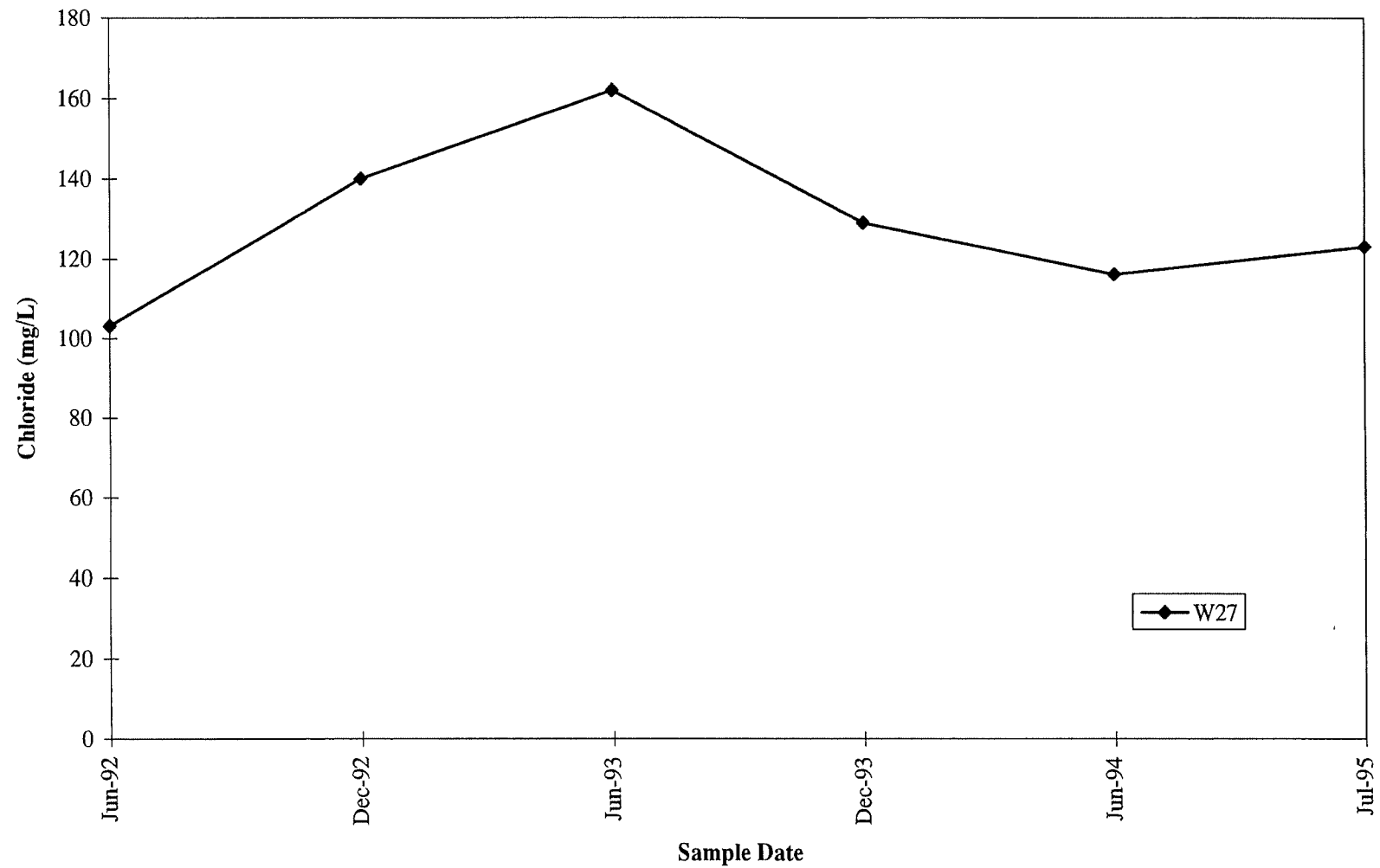
Chloride Concentrations Quarterly Groundwater Monitoring



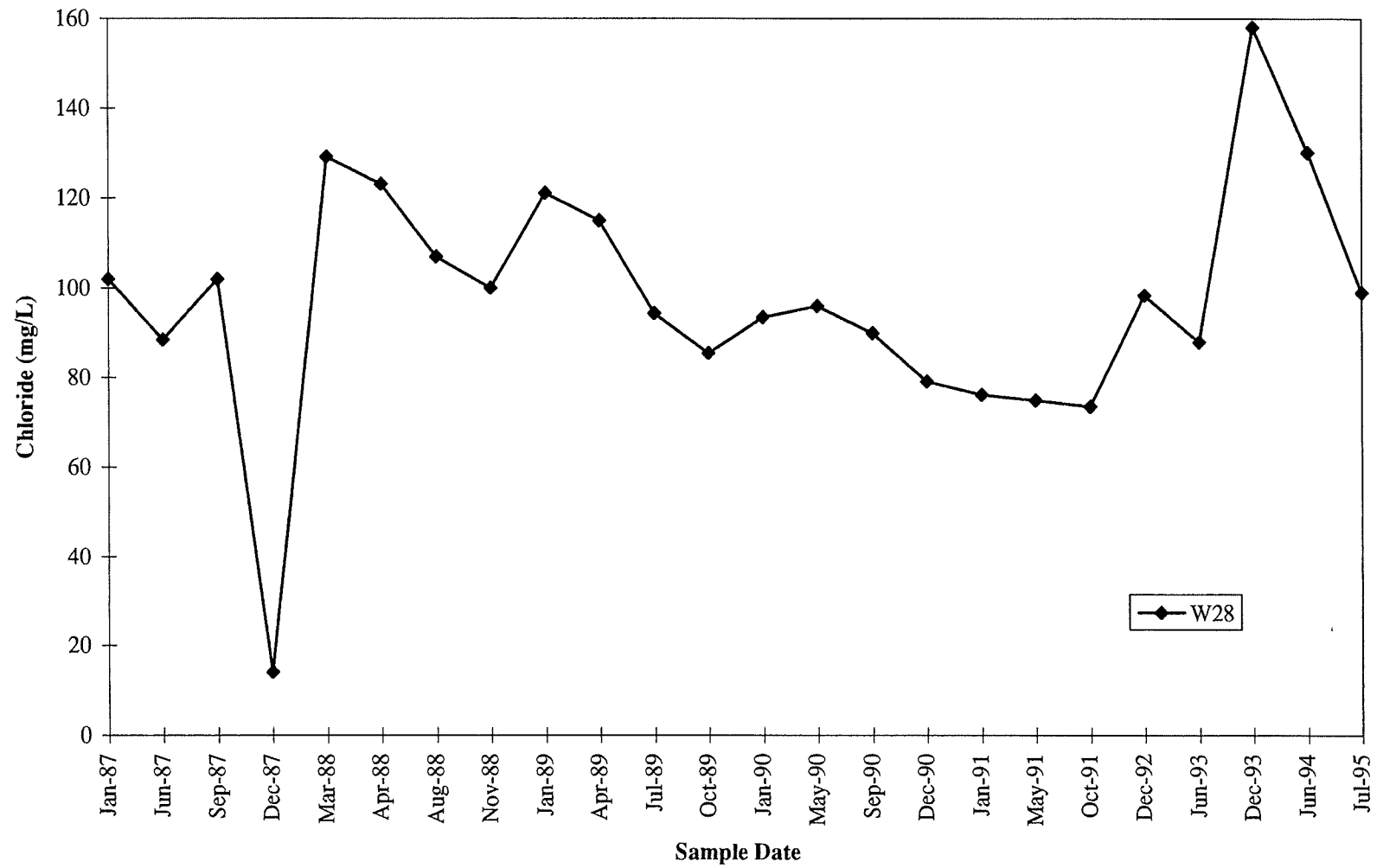
Chloride Concentrations Quarterly Groundwater Monitoring



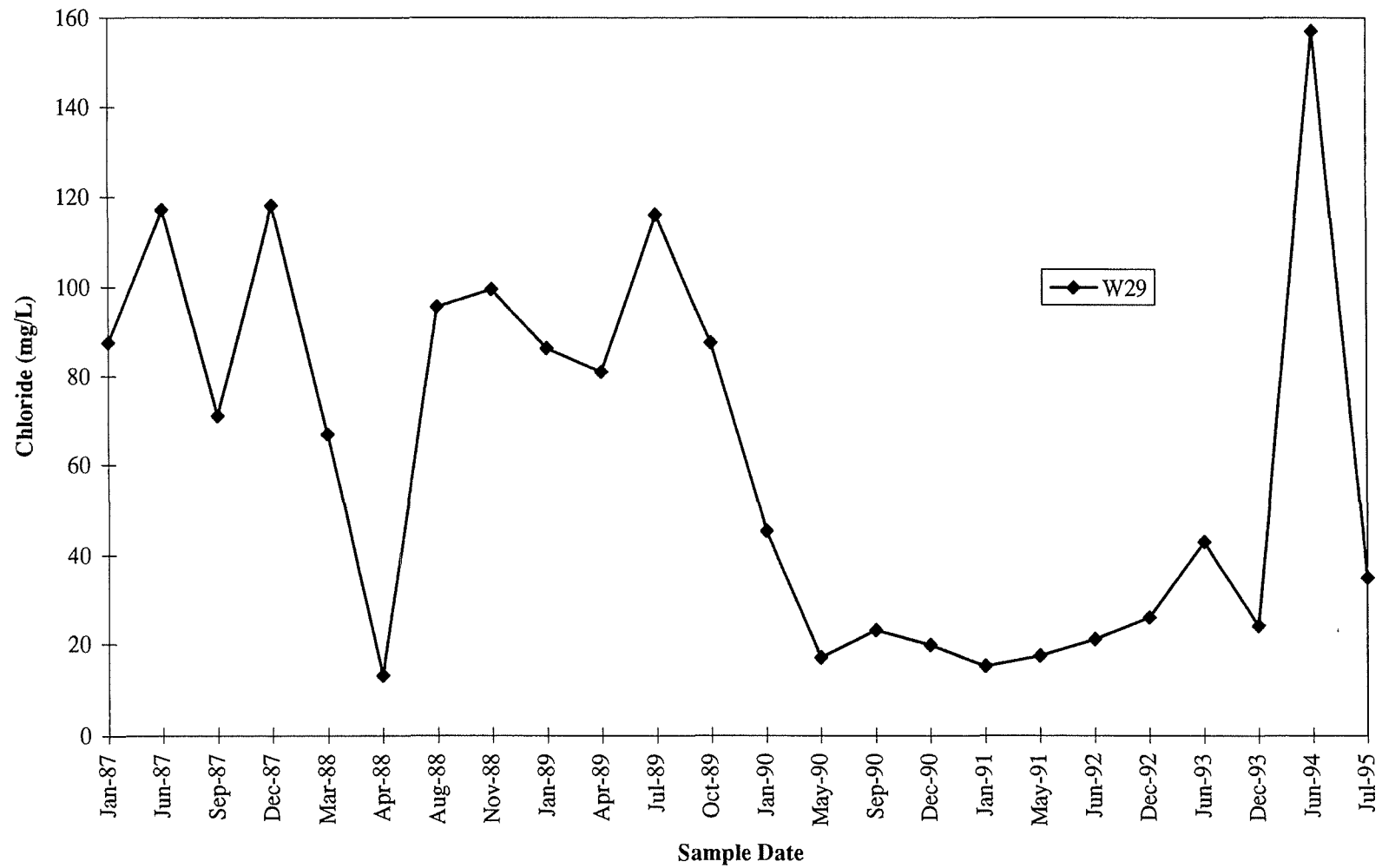
Chloride Concentrations Quarterly Groundwater Monitoring



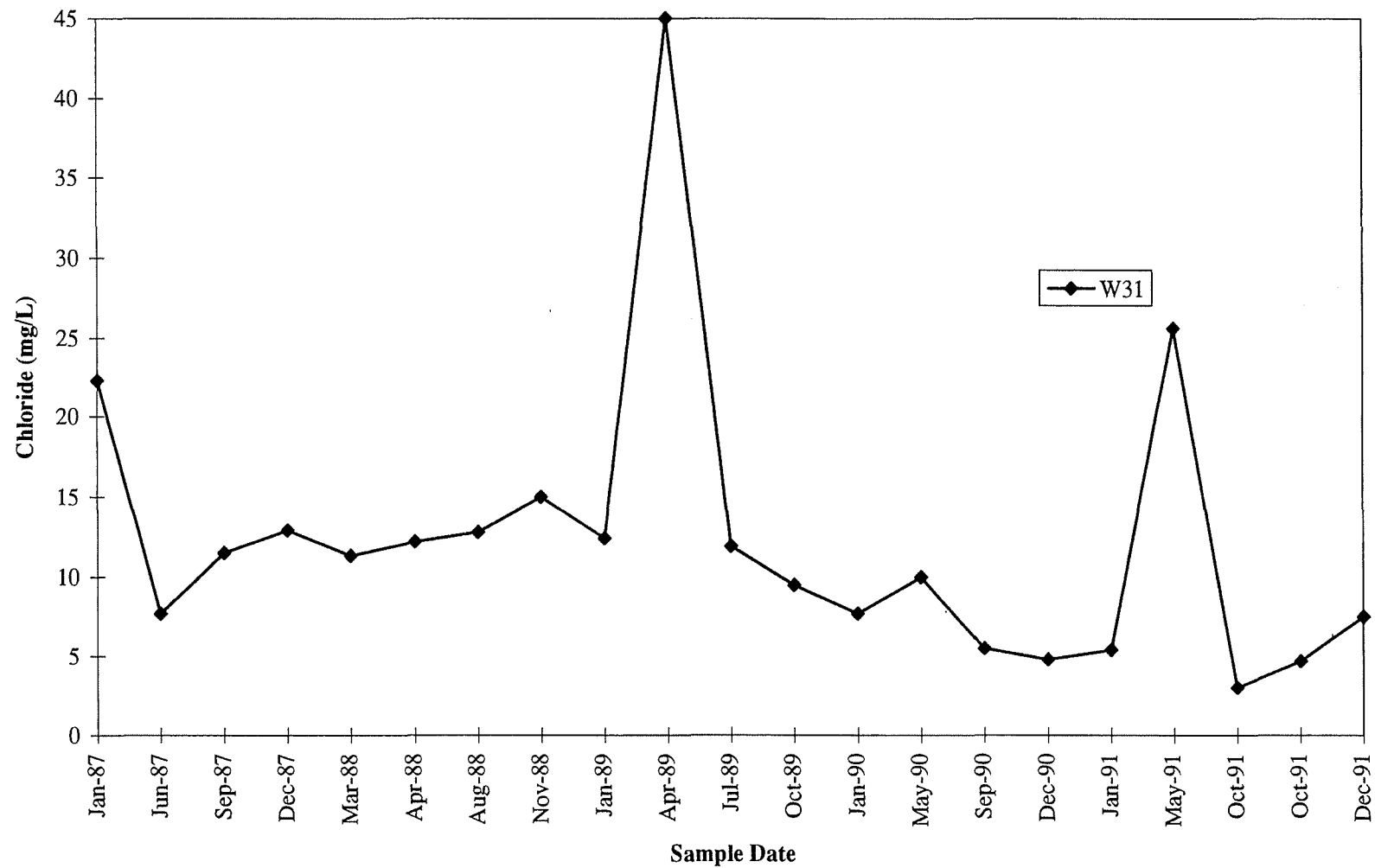
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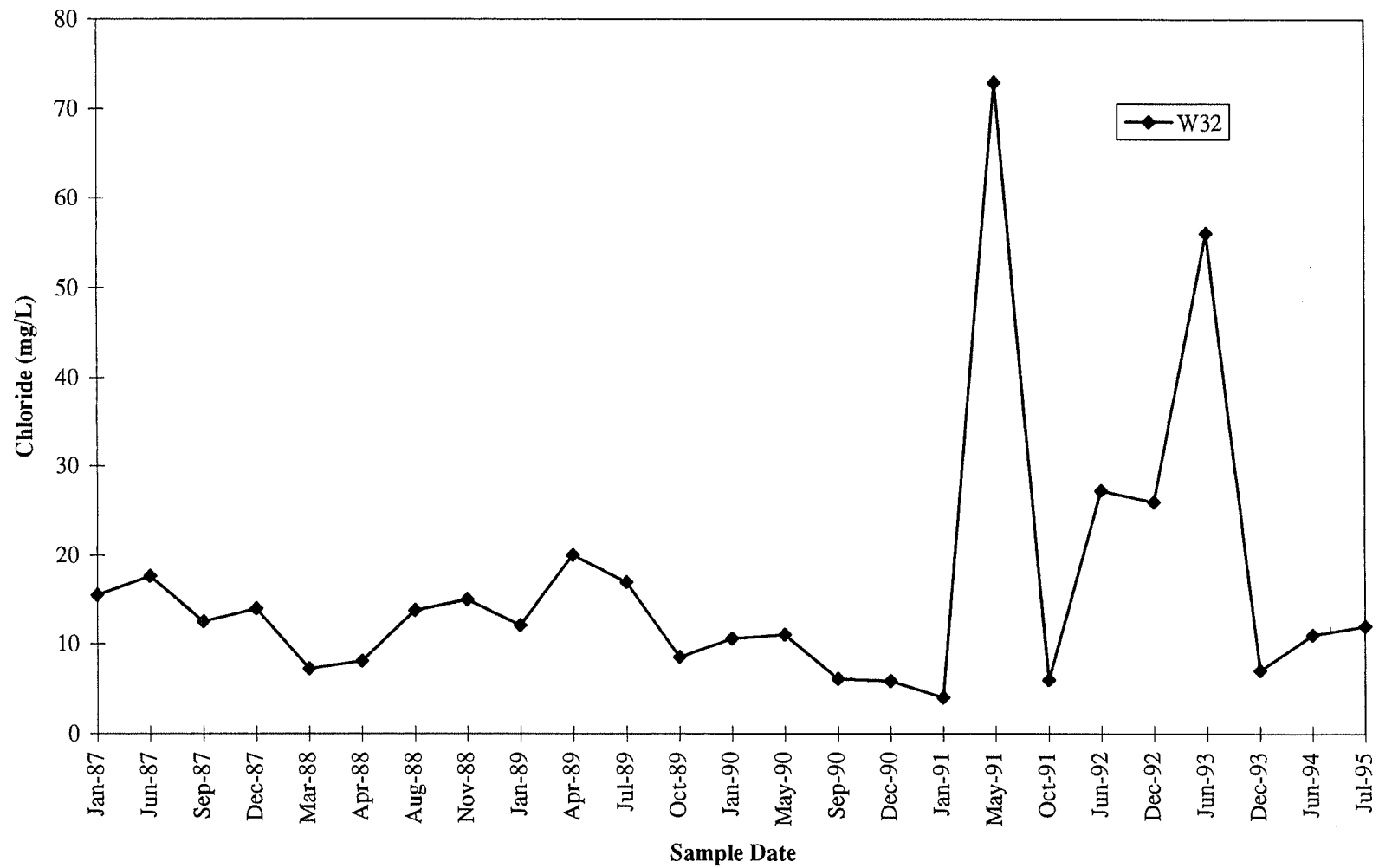
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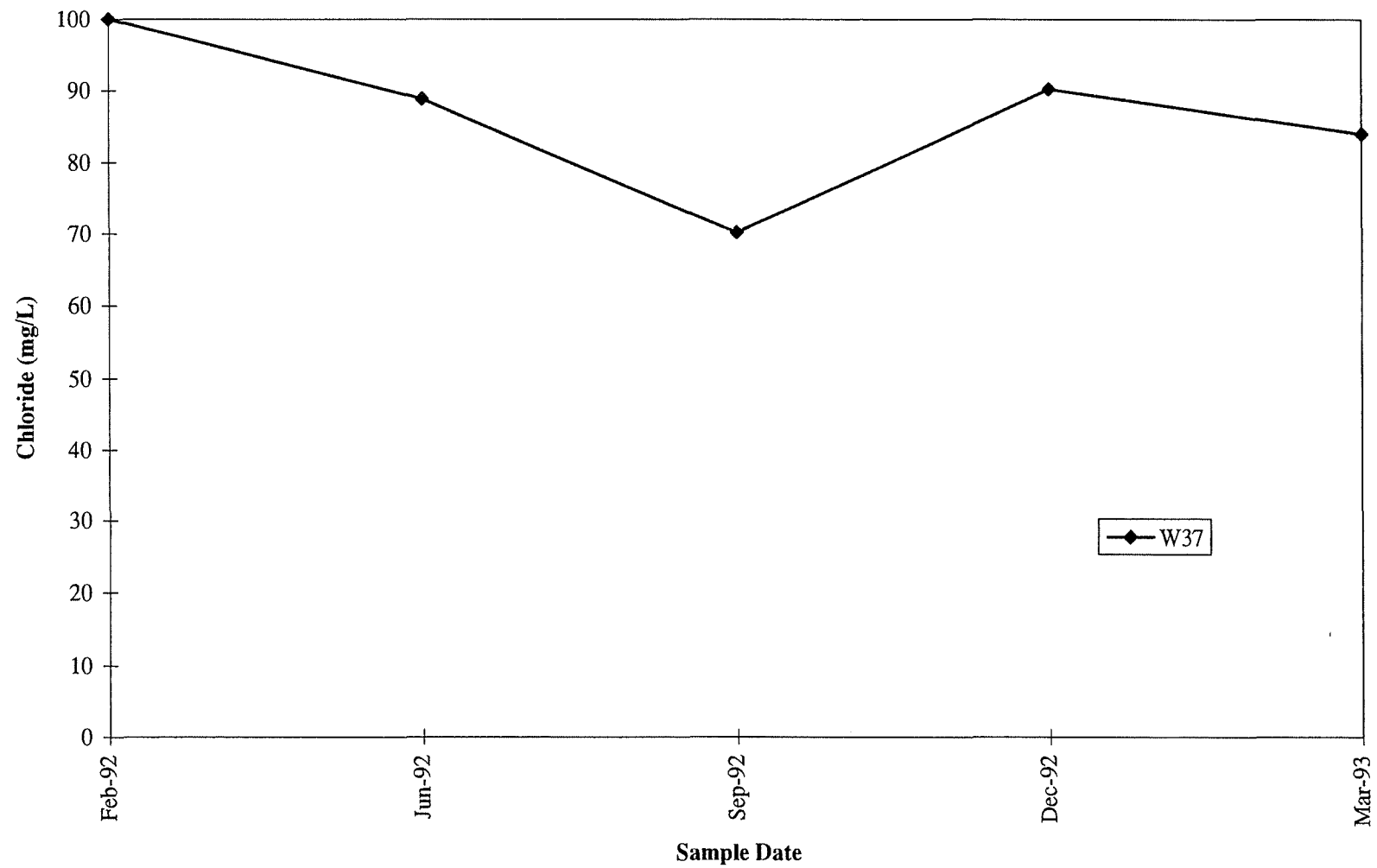
Chloride Concentrations Quarterly Groundwater Monitoring



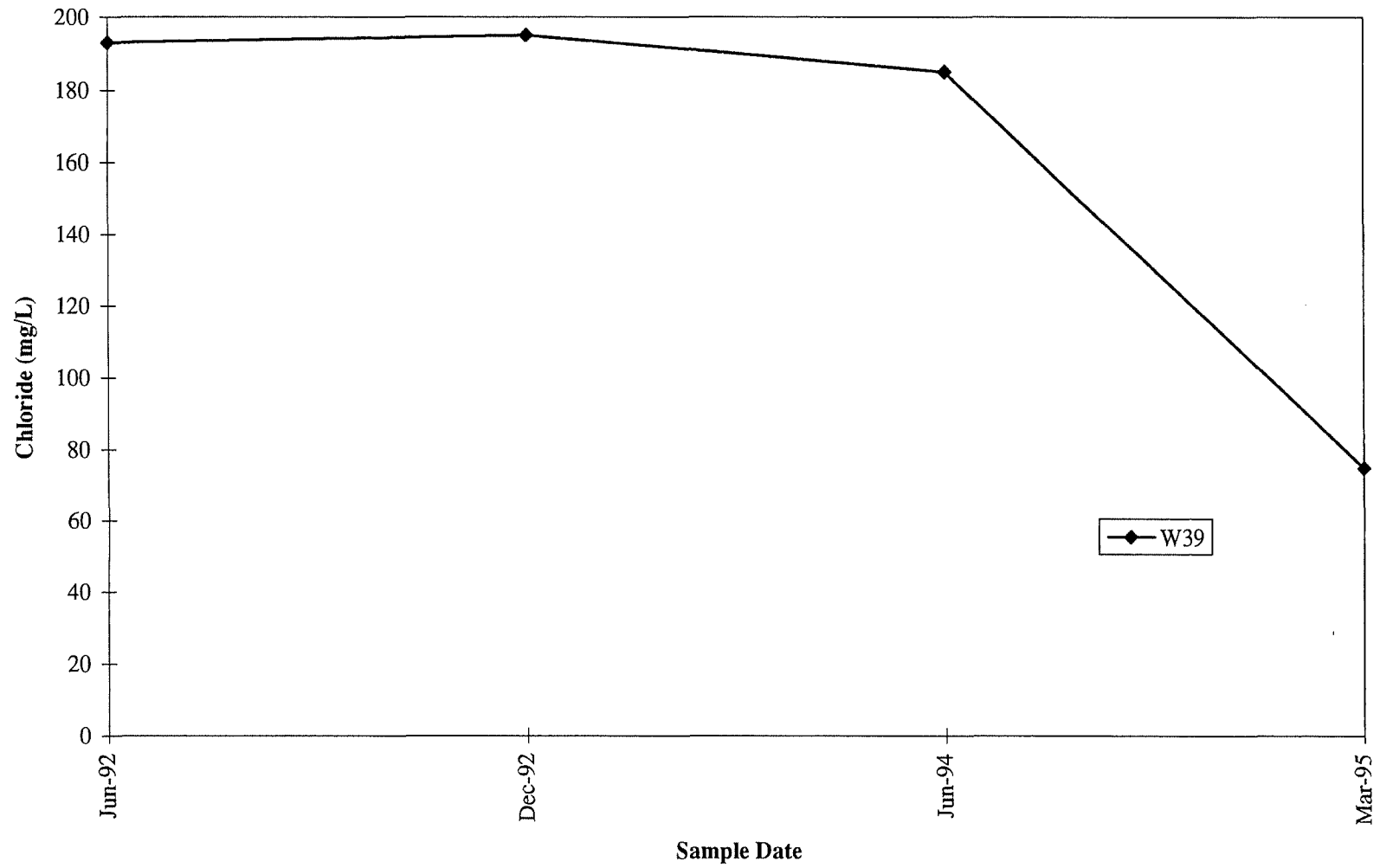
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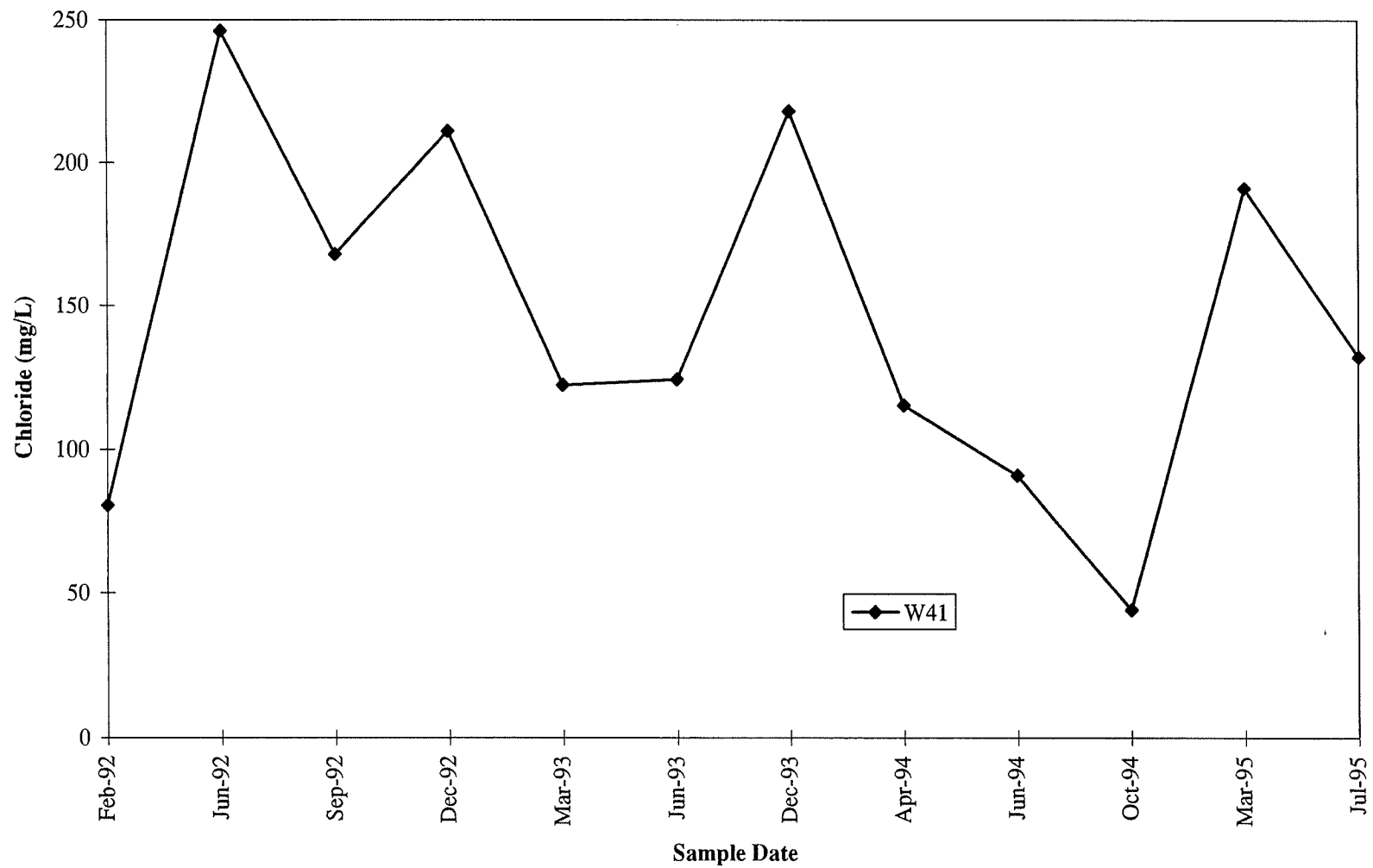
Chloride Concentrations Quarterly Groundwater Monitoring



Chloride Concentrations Quarterly Groundwater Monitoring



Chloride Concentrations Quarterly Groundwater Monitoring





MONTGOMERY WATSON

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WAUSAU DNR

December 5, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: September Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

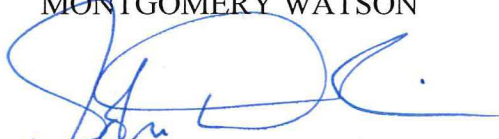
Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the September Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. The report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON



John D. Dadisman
Senior Chemist



Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
SEPTEMBER 1997**

SUMMARY OF SEPTEMBER 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected on August 29, 1997 confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 9,269 ug/L to 23,590 ug/L during September 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Treatment efficiency within the FBR ranged from 86% to 96%. Total treatment efficiency with the fixed film reactor (FFR) (before the polishing units) was 87% to 97% during September 1997. Total treatment efficiency continues to be greater than 99%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for September was 888 gal compared to 738 gal removed in August. The product recovery increased at each well except PW13. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for July, August, and September are summarized in Table 4.

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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	29-Aug-97	19	8	0
Chemical Oxygen Demand	mg/L	29-Aug-97	47	29	21
Chloride	mg/L	29-Aug-97	148	147	34.8
Dissolved Oxygen	mg/L	29-Aug-97	7.6	2.4	0.2
	mg/L	3-Sep-97	6.8	2	0.2
	mg/L	5-Sep-97	7.8	2.4	0.2
	mg/L	8-Sep-97	6.7	1.5	0.3
	mg/L	11-Sep-97	6.8	1.8	0.3
	mg/L	15-Sep-97	8	2.8	0.3
	mg/L	18-Sep-97	8	3	0.3
	mg/L	22-Sep-97	8.2	3	0.3
	mg/L	25-Sep-97	8.5	2.8	0.3
	mg/L	30-Sep-97	7.1	2	0.2
Nitrogen, Ammonia	mg/L	29-Aug-97	4	0	
	mg/L	3-Sep-97	3	0	
	mg/L	5-Sep-97	3	0	
	mg/L	8-Sep-97	3	0	
	mg/L	11-Sep-97	3	0	
	mg/L	15-Sep-97	3	0	
	mg/L	18-Sep-97	3	0	
	mg/L	22-Sep-97	3	0.5	
	mg/L	25-Sep-97	4	0	
	mg/L	30-Sep-97	3	0	
Nitrogen, Nitrate	mg/L	29-Aug-97	0	0	
	mg/L	3-Sep-97	0	0	
	mg/L	5-Sep-97	0	0	
	mg/L	8-Sep-97	0	0	
	mg/L	11-Sep-97	0	0	
	mg/L	15-Sep-97	0	0.5	
	mg/L	18-Sep-97	0	0.5	
	mg/L	22-Sep-97	0	0	
	mg/L	25-Sep-97	0	0	
	mg/L	30-Sep-97	0	0	
Nitrogen, Nitrate + Nitrite	mg/L	29-Aug-97	0	1.56	0.54
Nitrogen, Total Kjeldahl	mg/L	29-Aug-97	3.13	1.15	0.59
Pentachlorophenol-Screen	ug/L	29-Aug-97	15123	789	0
	ug/L	30-Aug-97			0
	ug/L	31-Aug-97			0
	ug/L	1-Sep-97			0
	ug/L	2-Sep-97			0
	ug/L	3-Sep-97	18095	1230	0
	ug/L	4-Sep-97			0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen	ug/L	5-Sep-97	15238	1429	0
	ug/L	6-Sep-97			0
	ug/L	7-Sep-97			0
	ug/L	8-Sep-97	15613	1335	0
	ug/L	9-Sep-97			0
	ug/L	10-Sep-97			0
	ug/L	11-Sep-97	21053	1118	0
	ug/L	12-Sep-97			0
	ug/L	13-Sep-97			0
	ug/L	14-Sep-97			0
	ug/L	15-Sep-97	17544	667	0
	ug/L	16-Sep-97			0
	ug/L	17-Sep-97			0
	ug/L	18-Sep-97	18345	790	0
	ug/L	19-Sep-97			0
	ug/L	20-Sep-97			0
	ug/L	21-Sep-97			0
	ug/L	22-Sep-97	9269	752	0
	ug/L	23-Sep-97			0
	ug/L	24-Sep-97			0
	ug/L	25-Sep-97	23590	1603	0
	ug/L	26-Sep-97			0
	ug/L	27-Sep-97			0
	ug/L	28-Sep-97			0
	ug/L	29-Sep-97			0
	ug/L	30-Sep-97	21457	2987	0
pH	S.U.	29-Aug-97	6.6	6.7	6.8
	S.U.	3-Sep-97	6.2	6.3	6.6
	S.U.	5-Sep-97	6.3	6.4	6.6
	S.U.	8-Sep-97	6.3	6.4	6.7
	S.U.	11-Sep-97	6.4	6.5	6.6
	S.U.	15-Sep-97	6.3	6.4	6.4
	S.U.	18-Sep-97	6.3	6.4	6.5
	S.U.	22-Sep-97	6.4	6.5	6.6
	S.U.	25-Sep-97	6.4	6.4	6.4
	S.U.	30-Sep-97	6.5	6.6	6.6
Phosphorus, Ortho	mg/L	29-Aug-97	1.26	1.08	0.97
Phosphorus, Phosphate	mg/L	29-Aug-97	3	2	
	mg/L	3-Sep-97	3	2	
	mg/L	5-Sep-97	3	2	
	mg/L	8-Sep-97	2	2	
	mg/L	11-Sep-97	3	2	
	mg/L	15-Sep-97	3	0	
	mg/L	18-Sep-97	3	2	
	mg/L	22-Sep-97	3	2	

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Phosphorus, Phosphate	mg/L	25-Sep-97	0	0	
	mg/L	30-Sep-97	3	0	
Solids, Total Suspended	mg/L	29-Aug-97	16	5	0
2,3,4,6-Tetrachlorophenol	ug/L	29-Aug-97	0	0	0
2,4,5-Trichlorophenol	ug/L	29-Aug-97	0	0	0
2,4,6-Trichlorophenol	ug/L	29-Aug-97	0	0	0
2,4-Dichlorophenol	ug/L	29-Aug-97	0	0	0
2,4-Dimethylphenol	ug/L	29-Aug-97	0	0	0
2,4-Dinitrophenol	ug/L	29-Aug-97	0	0	0
2,6-Dichlorophenol	ug/L	29-Aug-97	0	0	0
2-Chlorophenol	ug/L	29-Aug-97	0	0	0
2-Methylphenol	ug/L	29-Aug-97	0	0	0
2-Nitrophenol	ug/L	29-Aug-97	0	0	0
3&4-Methylphenol	ug/L	29-Aug-97	0	0	0
4,6-Dinitro-2-Methylphenol	ug/L	29-Aug-97	0	0	0
4-Chloro-3-Methylphenol	ug/L	29-Aug-97	0	0	0
4-Nitrophenol	ug/L	29-Aug-97	0	0	0
Pentachlorophenol	ug/L	29-Aug-97	17000	160	0
Phenol	ug/L	29-Aug-97	0	0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
9/1/97	23.65	23.65	84,470	0
9/2/97	23.65	23.65	118,520	0
9/3/97	23.65	22.37	150,730	0
9/4/97	22.90	25.01	186,750	0
9/5/97	21.62	23.56	220,680	0
9/6/97	22.62	23.56	254,610	0
9/7/97	22.62	23.56	288,540	0
9/8/97	25.53	25.63	325,440	0
9/9/97	19.16	19.76	353,900	0
9/10/97	24.06	25.15	390,120	0
9/11/97	22.68	24.85	425,900	0
9/12/97	21.74	25.33	462,370	0
9/13/97	21.74	25.33	498,840	0
9/14/97	21.74	25.33	535,310	0
9/15/97	26.01	20.78	565,230	0
9/16/97	22.24	23.92	599,670	0
9/17/97	23.28	24.20	634,520	0
9/18/97	22.67	23.60	668,510	0
9/19/97	22.92	23.32	702,090	0
9/20/97	22.92	23.32	735,670	0
9/21/97	22.92	23.32	769,250	0
9/22/97	19.26	17.36	794,250	0
9/23/97	22.10	23.42	827,970	0
9/24/97	22.86	24.35	863,040	0
9/25/97	21.74	23.01	896,170	0
9/26/97	21.78	23.26	929,670	0
9/27/97	21.78	23.26	963,170	0
9/28/97	21.78	23.26	996,670	0
9/29/97	23.58	20.90	1,026,770	0
9/30/97	23.58	20.90	1,056,870	0
Average:	22.6	23.3		0.0
Total ⁽²⁾ :			1,038,850	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
9/1/97	0	0	0	0	0	0	0	0	0	0	0
9/2/97	0	0	0	0	0	10.32	0	3.44	0	1.72	15.48
9/3/97	0	0	0	0	0	6.88	0	5.16	0	1.72	13.76
9/4/97	0	0	0	0	0	14	0	6.88	0	1.72	22.6
9/5/97	0	0	0	0	1.72	18.92	0	12.04	0	1.72	34.4
9/6/97	0	0	0	0	1.72	19	0	8.6	0	0	29.32
9/7/97	1.72	0	0	0	1.72	20.64	0	13.76	0	0	37.84
9/8/97	0	1.72	0	0	1.72	14	0	7	0	1.72	26.16
9/9/97	1.72	3.44	0	0	1.72	10.32	0	6.88	0	0	24.08
9/10/97	1.72	3.44	0	0	1.72	10.32	0	5.16	0	1.72	24.08
9/11/97	1.72	5.16	0	0	1.72	10	0	5.16	0	0	23.76
9/12/97	1.72	3.44	1.72	0	1.72	17	0	9	0	1.72	36.32
9/13/97	0	5.16	0	0	0	15.48	0	6.88	0	1.72	29.24
9/14/97	1.72	3.44	0	0	1.72	17.2	0	8.6	0	1.72	34.4
9/15/97	0	5.16	0	0	0	16	0	8.6	0	1.72	31.48
9/16/97	2	2	0	0	1.72	18	0	8.6	0	1.72	34.04
9/17/97	1.72	3.44	0	0	1.72	8.6	0	5.16	0	1.72	22.36
9/18/97	0	1.72	0	0	0	15	0	6.88	0	1.72	25.32
9/19/97	2	2	0	0	0	16	0	7	0	0	27
9/20/97	1.72	1.72	0	0	0	18.92	0	8.6	0	1.72	32.68
9/21/97	1.72	1.72	0	0	0	20.64	0	6.88	0	1.72	32.68
9/22/97	0	0	1.72	0	1.72	14	0	6.88	0	1.72	26.04
9/23/97	1.72	0	0	0	1.72	22.36	0	13.76	0	1.72	41.28
9/24/97	0	1.72	0	0	0	28	0	16	0	0	45.72
9/25/97	3.44	0	0	0	0	24.08	0	3.44	0	8.6	39.56
9/26/97	3.44	0	0	0	0	28	0	3.44	0	10	44.88
9/27/97	3.44	0	0	0	0	24.08	0	5.16	0	1.72	34.4
9/28/97	1.72	0	0	0	1.72	17.2	0	3.44	0	3.44	27.52
9/29/97	1.72	0	0	0	0	17	0	8.6	0	6.88	34.2
9/30/97	3.44	0	0	0	0	25.8	0	5.16	0	3.44	37.84
Total	38.4	45.28	3.44	0	24.08	497.76	0	216.16	0	63.32	888.44

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

Well	July 17 1997		August 27 1997		September 30 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1162.91	----	1162.61	----	1162.62
PW02	----	1162.83	----	1162.56	----	1162.58
PW03	----	1161.78	----	1162.90	----	1162.53
PW3S	0.57	1160.06	0.54	1159.96	0.50	1160.11
PW04	1.14	1153.87	0.93	1154.69	3.40	1152.90
PW05	0.87	1156.25	0.03	1155.00	0.70	1154.03
PW06	0.49	1161.82	0.42	1161.56	0.43	1161.65
PW07	0.03	1153.77	0.93	1154.79	0.40	1156.30
PW08	0.12	1161.12	0.09	1160.87	0.12	1160.84
PW9I	----	1163.18	----	1162.18	----	1163.58
PW9O	----	1164.54	----	1163.29	----	1162.94
PW10	----	1157.29	1.61	1158.82	1.85	1158.91
PW11	0.31	1158.66	1.16	1157.63	----	1157.90
PW12	----	1162.26	1.05	1161.87	----	1162.61
PW13	0.54	1158.06	0.65	1157.71	0.70	1158.50
PW14	0.04	1161.66	0.04	1161.39	----	1161.67
PW15	0.06	1153.71	0.20	1161.25	0.40	1161.31
PW16	0.27	1158.39	0.26	1157.71	0.50	1157.08
P01	0.72	1160.39	0.33	1161.09	0.20	1161.36
OW01	----	1163.21	----	1162.92	----	1162.93
W01A	----	1163.46	----	1163.16	----	1164.08
W01B	----	1163.43	----	1163.06	----	1163.06
W02	----	1162.54	----	1162.42	----	1162.40
W03A	0.39	1161.05	0.58	1160.61	0.30	1160.94
W03B	----	1161.54	----	1161.34	----	1161.44
W04A	0.64	1161.62	0.67	1161.33	0.42	1161.66
W04B	0.25	1161.96	0.24	1161.71	0.26	1161.79
W05	0.37	1161.25	0.90	1160.53	0.96	1160.60
W06R	0.14	1163.17	0.30	1162.69	0.30	1162.65
W07	----	1162.98	----	1162.68	----	1162.68
W08	----	1174.97	----	1172.48	----	1171.78
W09	----	1162.18	----	1161.86	----	1162.02
W10A	----	1161.01	----	1160.82	----	1160.95
W10B	----	1161.01	----	1160.85	----	1160.96
W11	----	1160.81	----	1160.71	----	1160.80
W12	----	1160.41	----	1160.32	----	1160.40
W13	----	1161.35	----	1161.16	----	1161.32
W14	----	1159.43	----	1159.38	----	1159.46
W16	----	1161.69	----	1161.42	----	1161.57
W17	0.09	1161.42	0.33	1160.95	0.20	1161.24
W18	----	1161.10	----	1160.88	----	1161.01
W19	----	1162.77	----	1162.29	----	1162.31

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	July 17 1997		August 27 1997		September 30 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.72	----	1160.61	----	1160.70
W22	----	1161.41	----	1161.08	----	1161.26
W23	----	1160.60	----	1160.52	----	1160.58
W24A	----	1160.58	----	1160.49	----	1160.55
W25	----	Inaccessible	----	Inaccessible	----	1163.13
W26	----	1160.91	----	1160.77	----	1160.90
W27	----	1161.33	----	1161.14	----	1161.31
W28	----	1161.11	----	1160.85	----	1160.93
W29	----	1160.83	----	1160.70	----	1160.84
W30	0.76	1160.71	1.02	1160.32	----	1160.84
W31	----	1160.87	----	1160.71	----	1160.79
W32	----	1160.86	----	1160.72	----	1160.80
W33	----	1161.87	0.02	1161.67	----	1161.78
W34	0.25	1158.32	0.31	1158.05	0.27	1158.14
W35	0.64	1160.99	0.70	1160.79	0.98	1160.63
W36	----	1161.86	----	1161.75	----	1161.93
W39	----	1161.87	----	1161.69	----	1161.83
W40	0.67	1160.76	0.90	1160.31	0.77	1160.57
W41	----	1162.12	----	1161.76	----	1161.94
W42	----	1162.60	0.02	1162.31	----	1162.27
W44	0.18	1161.56	0.14	1161.41	0.10	1161.53
W45	----	1162.00	0.06	1161.74	----	1161.98
W46	0.94	1160.64	1.01	1160.46	0.95	1160.72
W47	2.46	1155.36	1.94	1155.54	2.10	1155.39
W48	0.15	1158.16	0.52	1157.61	0.25	1157.98
W49	0.74	1157.78	0.92	1157.33	0.70	1157.81
W66	----	1163.17	----	1162.87	----	1162.83
W67	----	1163.17	----	1161.84	----	1162.82
W68A	----	1163.14	----	1163.00	----	1162.75
W68B	----	1163.12	----	1162.83	----	1162.73
W69	0.31	1161.73	0.52	1161.31	0.49	1161.41
W70B	----	1162.97	----	1162.70	----	1162.63
River	----	1159.84	----	1159.97	----	No Gauge

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

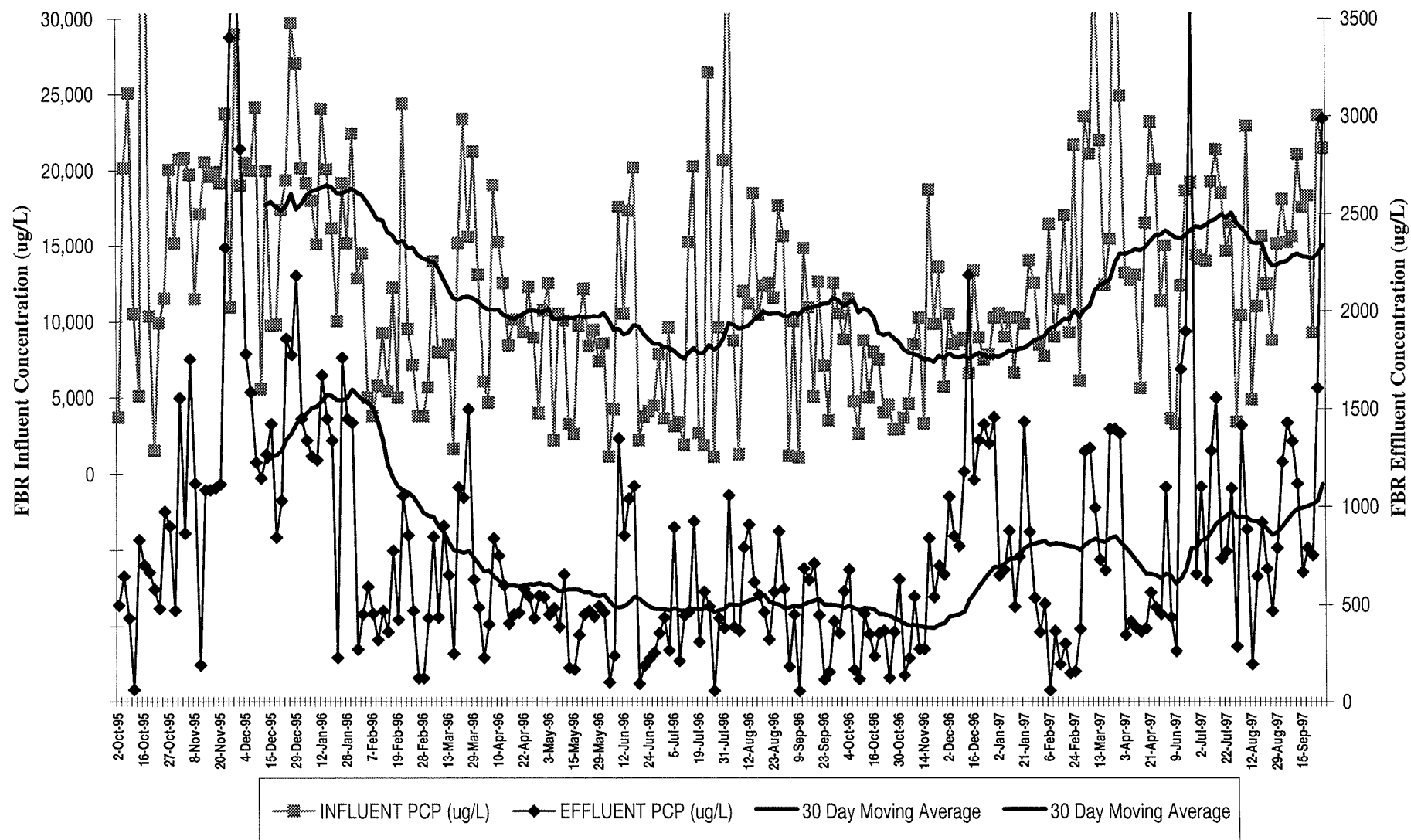
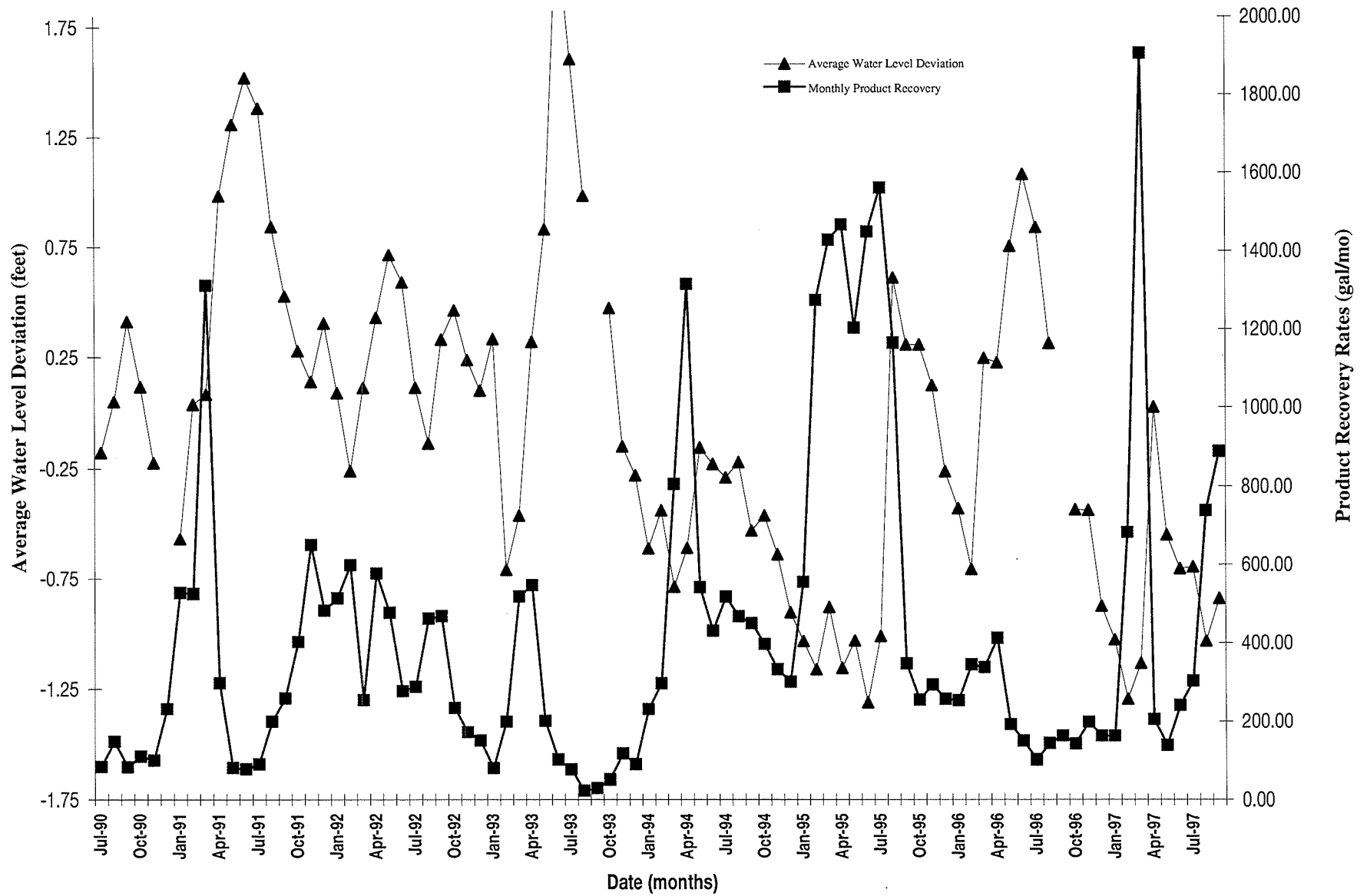


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

October 3, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

10/3/97
02-37-000606
RECEIVED
OCT - 6 1997
WAUSAU DNR

Re: July and August Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies each (enclosed) of the July and August Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. These reports are submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Senior Chemist

Douglas J. Baeh, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
JULY 1997**

SUMMARY OF JULY 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected on July 18, 1997 confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 3,410 ug/L to 21,379 ug/L during July 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Treatment efficiency within the FBR ranged from 92% to 96%. Total treatment efficiency with the fixed film reactor (FFR) (going to the polishing units) was 91% to 97% during July 1997. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for July was 302 gal compared to 241 gal removed in June. The product recovery increased at each well except PW10. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for May, June, and July are summarized in Table 4.

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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	18-Jul-97	29	14	3
Chemical Oxygen Demand	mg/L	18-Jul-97	64	30	13
Chloride	mg/L	18-Jul-97	138	134	136
Dissolved Oxygen	mg/L	2-Jul-97	8.4	3	0.2
		7-Jul-97	7.6	2.6	0.2
		11-Jul-97	6.8	2	0.4
		15-Jul-97	6.1	1.5	0.2
		18-Jul-97	6.8	1.5	0.2
		22-Jul-97	7.3	2	0.2
		24-Jul-97	7.3	2	0.2
		31-Jul-97	7	2.2	0.2
Nitrogen, Ammonia	mg/L	2-Jul-97	3	0	
		7-Jul-97	3	0	
		11-Jul-97	3	0	
		15-Jul-97	3	0	
		18-Jul-97	3	0.5	
		22-Jul-97	3	0.5	
		24-Jul-97	7	7	
		31-Jul-97	3	0	
Nitrogen, Nitrate	mg/L	2-Jul-97	0	0.5	
		7-Jul-97	0	0	
		11-Jul-97	0	0.9	
		15-Jul-97	0	0	
		18-Jul-97	0	0	
		22-Jul-97	0	0	
		24-Jul-97	0	0.3	
		31-Jul-97	0	0	
Nitrogen, Nitrate + Nitrite	mg/L	18-Jul-97	0	0.23	0
Nitrogen, Total Kjeldahl	mg/L	18-Jul-97	2.79	0.96	0.78
Pentachlorophenol-Screen	ug/L	1-Jul-97			0
		2-Jul-97	14105	1101	0
		3-Jul-97			0
		4-Jul-97			0
		5-Jul-97			0
		6-Jul-97			0
		7-Jul-97	14000	625	0
		8-Jul-97			0
		9-Jul-97			0
		10-Jul-97			0
		11-Jul-97	19250	1288	0
		12-Jul-97			0
		13-Jul-97			0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
		14-Jul-97			0
		15-Jul-97	21379	1554	0
		16-Jul-97			0
		17-Jul-97			0
		18-Jul-97	18500	734	0
		19-Jul-97			0
		20-Jul-97			0
		21-Jul-97			0
		22-Jul-97	14621	772	0
		23-Jul-97			0
		24-Jul-97	16560	1092	0
		25-Jul-97			0
		26-Jul-97			0
		27-Jul-97			0
		28-Jul-97			0
		29-Jul-97			0
		30-Jul-97			0
		31-Jul-97	3410	287	0
pH	S.U.	2-Jul-97	6.4	6.6	6.5
		7-Jul-97	6.4	6.6	6.6
		11-Jul-97	6.6	6.7	6.7
		15-Jul-97	6.1	6.4	6.4
		18-Jul-97	6.2	6.4	6.5
		22-Jul-97	6.3	6.4	6.5
		24-Jul-97	6.3	6.4	6.5
		31-Jul-97	6.3	6.5	6.6
Phosphorus, Ortho	mg/L	18-Jul-97	0.95	0.62	0.72
Phosphorus, Phosphate	mg/L	2-Jul-97	2	2	
		7-Jul-97	2	3	
		11-Jul-97	2	2	
		15-Jul-97	3	0	
		22-Jul-97	0	2	
		24-Jul-97	2	0	
		31-Jul-97	3	3	
Solids, Total Suspended	mg/L	18-Jul-97	0	11	0
2,3,4,6-Tetrachlorophenol	ug/L	18-Jul-97	2800	140	0
2,4,5-Trichlorophenol	ug/L	18-Jul-97	0	0	0
2,4,6-Trichlorophenol	ug/L	18-Jul-97	0	0	0
2,4-Dichlorophenol	ug/L	18-Jul-97	0	0	0
2,4-Dimethylphenol	ug/L	18-Jul-97	0	0	0
2,4-Dinitrophenol	ug/L	18-Jul-97	0	0	0
2,6-Dichlorophenol	ug/L	18-Jul-97	0	0	0
2-Chlorophenol	ug/L	18-Jul-97	0	0	0
2-Methylphenol	ug/L	18-Jul-97	0	0	0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
2-Nitrophenol	ug/L	18-Jul-97	0	0	0
3&4-Methylphenol	ug/L	18-Jul-97	0	0	0
4,6-Dinitro-2-Methylphenol	ug/L	18-Jul-97	0	0	0
4-Chloro-3-Methylphenol	ug/L	18-Jul-97	0	0	0
4-Nitrophenol	ug/L	18-Jul-97	0	0	0
Pentachlorophenol	ug/L	18-Jul-97	17000	640	3.2
Phenol	ug/L	18-Jul-97	0	0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
7/1/97	25.02	27.78	7,920,260	0
7/2/97	26.02	27.78	7,960,270	0
7/3/97	26.03	27.73	8,000,200	0
7/4/97	26.03	27.73	8,040,130	0
7/5/97	26.03	27.73	8,080,060	0
7/6/97	26.03	27.73	8,119,990	0
7/7/97	25.38	20.40	8,149,370	0
7/8/97	22.88	26.28	8,187,220	0
7/9/97	24.12	26.63	8,225,560	0
7/10/97	22.82	24.52	8,260,870	0
7/11/97	26.60	29.26	8,303,010	0
7/12/97	26.60	29.26	8,345,150	0
7/13/97	26.60	17.26	8,370,000	0
7/14/97	10.83	16.39	8,393,600	0
7/15/97	24.59	26.99	8,432,460	0
7/16/97	25.40	26.15	8,470,120	0
7/17/97	25.19	25.23	8,506,450	0
7/18/97	23.48	23.34	8,540,060	0
7/19/97	23.48	23.34	8,573,670	0
7/20/97	23.48	23.34	8,607,280	0
7/21/97	19.15	16.96	8,631,700	0
7/22/97	25.60	26.21	8,669,440	0
7/23/97	26.51	27.66	8,709,270	0
7/24/97	25.94	27.22	8,748,460	0
7/25/97	27.10	27.35	8,787,850	0
7/26/97	27.10	27.35	8,827,240	0
7/27/97	27.10	27.35	8,866,630	0
7/28/97	19.56	15.29	8,888,650	0
7/29/97	25.63	26.45	8,926,740	0
7/30/97	26.21	25.49	8,963,450	0
7/31/97	25.16	24.69	8,999,000	0
Average:	24.6	25.1		0.0
Total ⁽²⁾ :			1,078,740	

Footnotes:

(1) Influent, POTW, and Seepage Bed flow rates are daily averages.

(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3
Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
7/1/97											
7/2/97	0	0	0	0	0	8.60	0	1.72	0	1.72	12.04
7/3/97	0	0	0	0	0	8.60	0	1.72	0	1.72	12.04
7/4/97	0	0	0	0	0	3.40	0	5.16	0	1.72	10.28
7/5/97	0	0	0	0	0	10.32	0	5.16	0	1.72	17.20
7/6/97	1.72	0	0	0	0	6.88	0	3.44	0	1.72	13.76
7/7/97	-1.72	0	0	0	0	8.60	0	5.16	0	3.44	15.48
7/8/97	1.72	0	0	0	0	1.72	0	3.44	0	1.72	8.60
7/9/97	1.72	1.72	0	0	0	1.72	0	5.16	0	1.72	12.04
7/10/97	1.72	1.72	0	0	0	1.72	0	3.44	0	3.44	12.04
7/11/97	1.72	1.72	0	0	0	1.72	0	5.16	0	3.44	13.76
7/12/97	1.72	1.72	0	0	0	1.72	0	8.60	0	1.72	15.48
7/13/97	1.72	1.72	0	0	0	1.72	0	6.88	0	1.72	13.76
7/14/97	1.72	0	0	0	0	1.72	0	6.88	0	1.72	12.04
7/15/97	1.72	1.72	0	0	0	1.72	0	5.16	0	3.44	13.76
7/16/97	0	0	0	0	0	0	0	3.44	0	1.72	5.16
7/17/97	1.72	0	0	0	0	1.72	0	3.44	0	1.72	8.60
7/18/97	1.72	0	0	0	0	3.44	0	5.16	0	1.72	12.04
7/19/97	0	0	0	0	0	3.44	0	3.44	0	1.72	8.60
7/20/97	0	0	0	0	0	3.40	0	3.44	0	1.72	8.56
7/21/97	1.72	0	0	0	0	6.88	0	1.72	0	1.72	12.04
7/22/97	0	0	0	0	0	5.16	0	3.44	0	1.72	10.32
7/23/97	1.72	0	0	0	0	3.44	0	5.16	0	1.70	12.02
7/24/97	0	0	0	0	0	3.44	0	3.44	0	1.72	8.60
7/25/97	1.70	0	0	0	0	3.44	0	3.44	0	0.0	8.58
7/26/97	0	0	0	0	0	1.72	0	3.40	0	1.72	6.84
7/27/97	1.72	0	0	0	0	1.72	0	3.44	0	0.0	6.88
7/28/97	0	0	0	0	0	0	0	1.72	0	0.0	1.72
7/29/97	1.72	0	0	0	0	1.72	0	1.72	0	1.72	6.88
7/30/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
7/31/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
Total	25.8	10.3	0.0	0.0	0.0	101	0.0	117	0.0	53.3	308

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	May 28 1997		June 27 1997		July 17 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1163.12	----	1162.85	----	1162.91
PW02	----	1163.05	----	1162.75	----	1162.83
PW03	----	1163.31	----	1162.74	----	1161.78
PW3S	0.60	1160.21	0.63	1159.98	0.57	1160.06
PW04	1.50	1155.00	0.73	1153.52	1.14	1153.87
PW05	1.20	1156.43	0.70	1155.43	0.87	1156.25
PW06	0.30	1162.14	0.42	1161.74	0.49	1161.82
PW07	0.30	1156.40	0.10	1154.20	0.03	1153.77
PW08	0.05	1161.42	0.12	1161.09	0.12	1161.12
PW9I	----	1165.58	----	1164.58	----	1163.18
PW9O	----	1162.14	----	1162.04	----	1164.54
PW10	----	1153.41	----	1156.61	----	1157.29
PW11	0.05	1159.70	0.11	1158.75	0.31	1158.66
PW12	----	1163.21	----	1162.96	----	1162.26
PW13	0.05	1158.55	----	1158.35	0.54	1158.06
PW14	----	1161.84	0.04	1161.65	0.04	1161.66
PW15	----	1158.31	----	1153.86	0.06	1153.71
PW16	1.00	1158.78	----	1157.88	0.27	1158.39
P01	0.27	1161.46	0.31	1161.24	0.72	1160.39
OW01	----	1163.48	----	1163.21	----	1163.21
W01A	----	1163.66	----	1163.43	----	1163.46
W01B	----	1163.65	----	1163.40	----	1163.43
W02	----	1162.85	----	1162.62	----	1162.54
W03A	0.35	1161.24	0.21	1161.20	0.39	1161.05
W03B	----	1161.72	----	1161.53	----	1161.54
W04A	0.65	1161.86	0.68	1161.54	0.64	1161.62
W04B	0.10	1162.33	0.23	1161.90	0.25	1161.96
W05	0.26	1161.48	0.34	1161.20	0.37	1161.25
W06R	0.10	1163.39	0.12	1163.12	0.14	1163.17
W07	----	1163.21	----	1162.97	----	1162.98
W08	----	1175.08	----	1175.00	----	1174.97
W09	----	1162.38	----	1162.30	----	1162.18
W10A	----	1161.07	----	1160.97	----	1161.01
W10B	----	1161.06	----	1160.96	----	1161.01
W11	----	1160.91	----	1160.82	----	1160.81
W12	----	1160.50	----	1160.42	----	1160.41
W13	----	1161.46	----	1161.35	----	1161.35
W14	----	1159.51	----	1159.46	----	1159.43
W16	----	1161.88	----	1161.70	----	1161.69
W17	0.15	1161.52	0.27	1161.25	0.09	1161.42
W18	----	1161.08	----	1160.98	----	1161.10
W19	----	1163.01	----	1163.39	----	1162.77

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Well</u>	May 28 1997		June 27 1997		July 17 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.77	----	1160.70	----	1160.72
W22	----	1161.65	----	1161.35	----	1161.41
W23	----	1160.68	----	1160.63	----	1160.60
W24A	----	1160.65	----	1160.65	----	1160.58
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1160.97	----	1160.89	----	1160.91
W27	----	1161.54	----	1161.47	----	1161.33
W28	----	1161.04	----	1160.91	----	1161.11
W29	----	1160.87	----	1160.79	----	1160.83
W30	0.35	1161.24	0.68	1160.74	0.76	1160.71
W31	----	1160.87	----	1160.74	----	1160.87
W32	----	1160.89	----	1160.75	----	1160.86
W33	----	1160.99	----	1161.89	----	1161.87
W34	0.20	1158.60	0.28	1158.22	0.25	1158.32
W35	0.60	1161.04	0.57	1160.92	0.64	1160.99
W36	----	1162.11	----	1161.96	----	1161.86
W39	----	1161.97	----	1161.87	----	1161.87
W40	0.48	1161.19	0.50	1160.79	0.67	1160.76
W41	----	1162.70	----	1166.21	----	1162.12
W42	----	1162.86	----	1162.54	----	1162.60
W44	0.20	1161.63	0.20	1161.53	0.18	1161.56
W45	----	1162.18	----	1162.12	----	1162.00
W46	1.00	1160.87	0.96	1160.61	0.94	1160.64
W47	0.70	1157.29	2.36	1155.43	2.46	1155.36
W48	0.40	1158.08	0.54	1157.87	0.15	1158.16
W49	0.05	1158.56	0.43	1158.01	0.74	1157.78
W66	----	1163.38	----	1163.12	----	1163.17
W67	----	1163.34	----	1163.11	----	1163.17
W68A	----	1163.38	----	1163.13	----	1163.14
W68B	----	1163.29	----	1163.01	----	1163.12
W69	0.40	1161.85	0.39	1161.59	0.31	1161.73
W70B	----	1163.21	----	1162.85	----	1162.97
River	----	1159.96	----	1159.92	----	1159.84

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

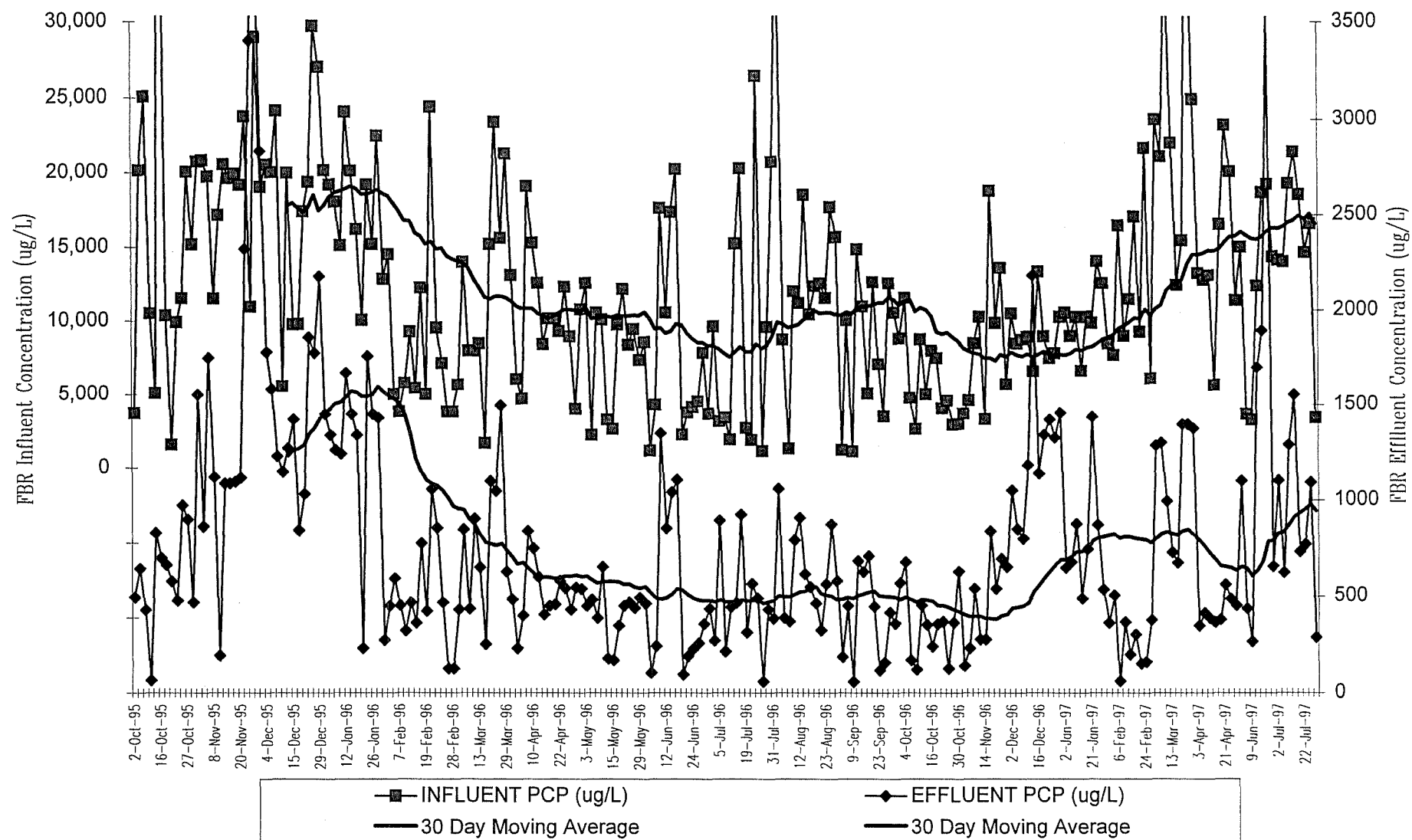
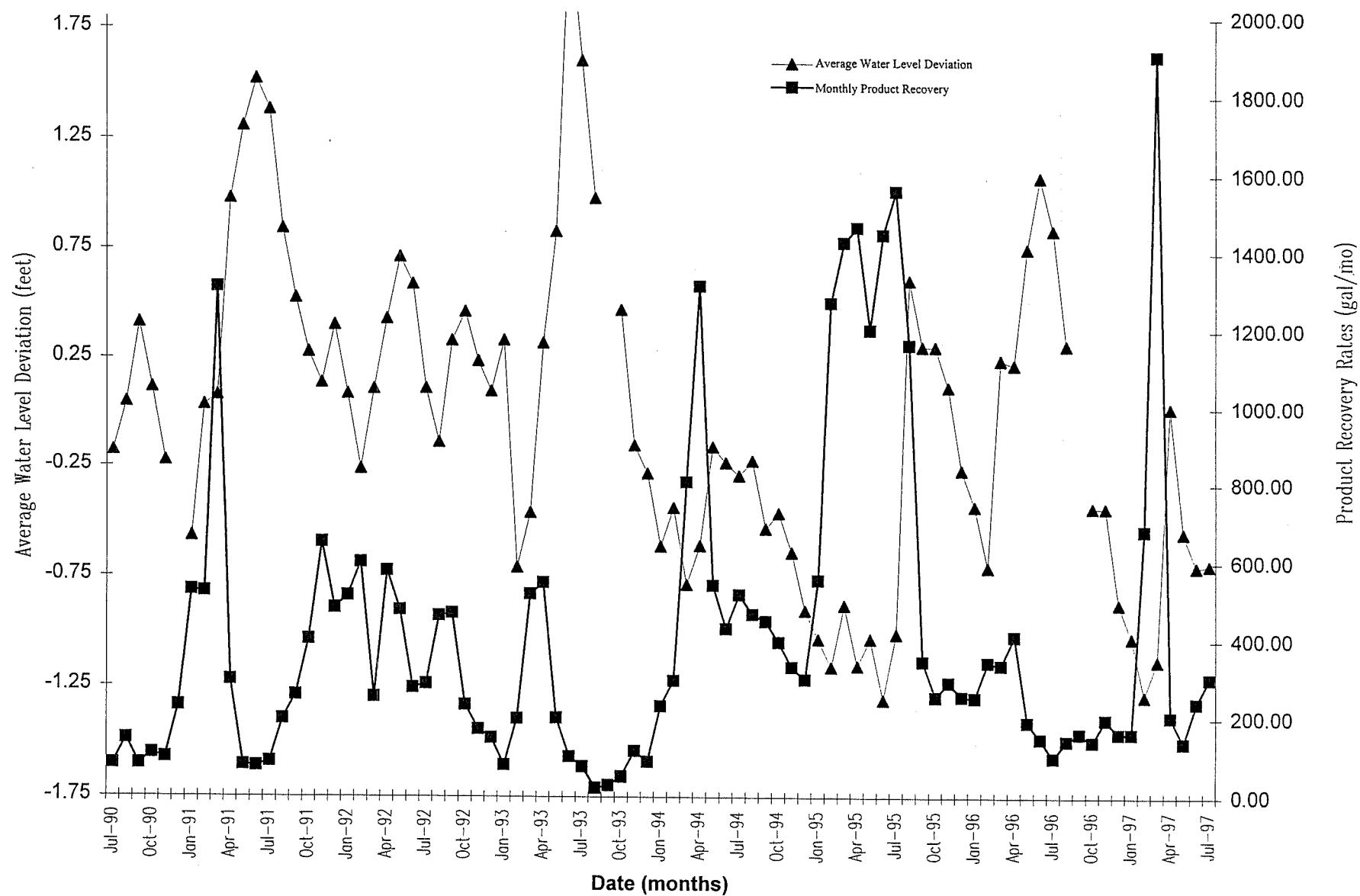


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates



**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
AUGUST 1997**

SUMMARY OF AUGUST 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The results for a laboratory sample collected in August were not complete for this report.

PCP influent concentrations ranged from 4,870 ug/L to 22,889 ug/L during August 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Treatment efficiency within the FBR ranged from 86% to 96%. Total treatment efficiency with the fixed film reactor (FFR) (going to the polishing units) was 90% to 97% during August 1997. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for August was 738 gal compared to 302 gal removed in July. The product recovery increased at each well location. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for June, July, and August are summarized in Table 4. Analytical results for the summer round of monitoring well samples on July 9, 10, and 11, 1997, are attached to this report.

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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Dissolved Oxygen	mg/L	5-Aug-97	2	6.7	0.2
		8-Aug-97	2.8	8	0.2
		12-Aug-97	2.8	7.8	0.2
		15-Aug-97	2.1	6.8	0.2
		19-Aug-97	3.3	7.8	0.2
		22-Aug-97	2.9	8	0.2
		27-Aug-97	2.4	7.6	0.2
		29-Aug-97	2.4	7.6	0.2
Nitrogen, Ammonia	mg/L	5-Aug-97	0	3	
		8-Aug-97	0	3	
		12-Aug-97	0	3	
		15-Aug-97	3	8	
		19-Aug-97	0	3	
		22-Aug-97	0	3	
		27-Aug-97	0	4	
		29-Aug-97	0	4	
Nitrogen, Nitrate	mg/L	5-Aug-97	0	0	
		8-Aug-97	0	0	
		12-Aug-97	0	0	
		15-Aug-97	0	0	
		19-Aug-97	1	0	
		22-Aug-97	0	0	
		27-Aug-97	0	0	
		29-Aug-97	0	0	
Pentachlorophenol-Screen	ug/L	1-Aug-97			0
		2-Aug-97			0
		3-Aug-97			0
		4-Aug-97			0
		5-Aug-97	1415	10415	0
		6-Aug-97			0
		7-Aug-97			0
		8-Aug-97			0
		9-Aug-97	884	22899	0
		10-Aug-97			0
		11-Aug-97			0
		12-Aug-97	197	4870	0
		13-Aug-97			0
		14-Aug-97			0
		15-Aug-97	645	11021	0
		16-Aug-97			0
		17-Aug-97			0
		18-Aug-97			0
		19-Aug-97	919	15645	0
		20-Aug-97			0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen	ug/L	21-Aug-97			0
		22-Aug-97	684	12456	0
		23-Aug-97			0
		24-Aug-97			0
		25-Aug-97			0
		26-Aug-97			0
		27-Aug-97	468	8787	0
		28-Aug-97			0
		29-Aug-97	789	15123	0
		30-Aug-97			0
		31-Aug-97			0
pH	S.U.	5-Aug-97	6.7	6.6	6.7
		8-Aug-97	6.6	6.6	6.6
		12-Aug-97	6.5	6.4	6.5
		15-Aug-97	6.7	6.6	6.7
		19-Aug-97	6.5	6.3	6.6
		22-Aug-97	6.5	6.4	6.6
		27-Aug-97	6.7	6.6	6.8
		29-Aug-97	6.7	6.6	6.8
Phosphorus, Phosphate	mg/L	5-Aug-97	2	2	
		8-Aug-97	2	2	
		12-Aug-97	2	2	
		15-Aug-97	0.5	2	
		19-Aug-97	2	2	
		22-Aug-97	0	0	
		27-Aug-97	2	3	
		29-Aug-97	2	3	

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
8/1/97	20.34	20.34	9,028,496	0
8/2/97	20.34	20.34	9,057,780	0
8/3/97	20.34	21.01	9,088,030	0
8/4/97	20.34	21.01	9,118,280	0
8/5/97	20.34	20.86	9,148,320	0
8/6/97	23.89	26.31	9,186,200	0
8/7/97	27.49	25.77	9,223,310	0
8/8/97	24.40	24.50	9,258,590	0
8/9/97	24.40	24.50	9,293,870	0
8/10/97	24.40	24.50	9,329,150	0
8/11/97	24.17	25.30	9,365,580	0
8/12/97	24.17	25.30	9,402,010	0
8/13/97	24.17	25.30	9,438,440	0
8/14/97	24.66	25.15	9,474,660	0
8/15/97	24.78	26.13	9,512,280	0
8/16/97	24.78	26.13	9,549,900	0
8/17/97	24.78	26.13	9,587,520	0
8/18/97	20.15	18.89	9,614,720	0
8/19/97	22.17	23.95	9,649,210	0
8/20/97	22.90	24.28	9,684,170	0
8/21/97	22.74	22.72	9,716,890	0
8/22/97	22.56	22.97	9,749,960	0
8/23/97	22.56	22.97	9,783,030	0
8/24/97	22.56	22.97	9,816,100	0
8/25/97	22.91	22.94	9,849,140	0
8/26/97	22.91	22.94	9,882,180	0
8/27/97	21.97	24.61	9,917,620	0
8/28/97	22.35	23.37	9,951,270	0
8/29/97	22.35	23.37	9,984,920	0
8/30/97	22.35	23.40	33,650	0
8/31/97	22.35	23.40	67,346	0
Average:	22.9	23.6		0.0
Total ⁽²⁾ :			1,038,850	

Footnotes:

(1) Influent, POTW, and Seepage Bed flow rates are daily averages.

(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
8/1/97											
8/2/97	2	0	0	0	0	6.88	0	5.16	0	3.44	17.20
8/3/97	2	0	0	0	0	5.16	0	5.16	0	3.44	15.48
8/4/97	2	0	0	0	0	6.88	0	3.44	0	3.44	15.48
8/5/97	2	0	0	0	0	3.44	0	3.44	0	3.44	12.04
8/6/97	1.72	0	0	0	0	8.60	0	3.44	0	3.44	17.20
8/7/97	0.00	0	0	0	0	13.76	0	3.44	0	3.44	20.64
8/8/97	1.72	0	0	0	0	8.60	0	3.44	0	1.72	15.48
8/9/97	0.00	0.00	0	0	0	8.60	0	1.72	0	1.72	12.04
8/10/97	0.00	0.00	0	0	0	8.60	0	1.72	0	3.44	13.76
8/11/97	1.72	0	0	0	0	8.60		3.44	0	1.72	15.48
8/12/97	1.72	0	0	0	0	12.04		5.16	0	0.00	18.92
8/13/97	0.00	1.72	0	0	0	17.20	0	12.04	0	0.00	30.96
8/14/97	1.72	2	0	0	0	16.00	0	6.88	0	0.00	26.32
8/15/97	0.00	1.72	0	0	0	15.48	0	6.88	0	0.00	24.08
8/16/97	2	2	0	0	0	14	0	14.00	0	0.00	31.20
8/17/97	0.00	2	0	0	0	6.88	0	10.32	0	0.00	18.92
8/18/97	1.72	0	0	0	0	16.00	0	12.00	0	0.00	29.72
8/19/97	0	1.72	0	0	0	15.48	0	15.48	0	8.60	41.28
8/20/97	0	2	1.72	0	0	13.76	0	8.60	0	3.44	29.24
8/21/97	1.72	2	0	0	0	12.04	0	13.76	0	3.44	32.68
8/22/97	0	0	0	0	0	14.00	0	4.00	0	3.44	21.44
8/23/97	0.00	0	0	0	0	12.04	0	5.16	0	0.00	17.20
8/24/97	0	2	0	0	0	12.04	0	8.60	0	0.00	22.36
8/25/97	1.72	0	0	0	0	13.76		8.60	0	1.7	25.80
8/26/97	0	1.72	0	0	0	8.00		12.04	0	1.72	23.48
8/27/97	0.00	0	0	0	0	13.76	0	10.32	0	0.0	24.08
8/28/97	0	0	0	0	0	17	0	12.00	0	0.0	29.20
8/29/97	1.72	0	0	0	0	23.00	0	8.60	0	1.72	35.04
8/30/97	2	0	0	0	0	24	0	20.64	0	1.72	48.16
8/31/97	0	1.72	0	0	0	28	0	22.00	0	1.72	53.44
Total	25.8	18.9	1.7	0.0	0.0	383.6	0.0	251.5	0.0	56.8	738.3

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	June 27 1997		July 17 1997		August 27 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1162.85	----	1162.91	----	1162.61
PW02	----	1162.75	----	1162.83	----	1162.56
PW03	----	1162.74	----	1161.78	----	1162.90
PW3S	0.63	1159.98	0.57	1160.06	0.54	1159.96
PW04	0.73	1153.52	1.14	1153.87	0.93	1154.69
PW05	0.70	1155.43	0.87	1156.25	0.03	1155.00
PW06	0.42	1161.74	0.49	1161.82	0.42	1161.56
PW07	0.10	1154.20	0.03	1153.77	0.93	1154.79
PW08	0.12	1161.09	0.12	1161.12	0.09	1160.87
PW9I	----	1164.58	----	1163.18	----	1162.18
PW9O	----	1162.04	----	1164.54	----	1163.29
PW10	----	1156.61	----	1157.29	1.61	1158.82
PW11	0.11	1158.75	0.31	1158.66	1.16	1157.63
PW12	----	1162.96	----	1162.26	1.05	1161.87
PW13	----	1158.35	0.54	1158.06	0.65	1157.71
PW14	0.04	1161.65	0.04	1161.66	0.04	1161.39
PW15	----	1153.86	0.06	1153.71	0.20	1161.25
PW16	----	1157.88	0.27	1158.39	0.26	1157.71
P01	0.31	1161.24	0.72	1160.39	0.33	1161.09
OW01	----	1163.21	----	1163.21	----	1162.92
W01A	----	1163.43	----	1163.46	----	1163.16
W01B	----	1163.40	----	1163.43	----	1163.06
W02	----	1162.62	----	1162.54	----	1162.42
W03A	0.21	1161.20	0.39	1161.05	0.58	1160.61
W03B	----	1161.53	----	1161.54	----	1161.34
W04A	0.68	1161.54	0.64	1161.62	0.67	1161.33
W04B	0.23	1161.90	0.25	1161.96	0.24	1161.71
W05	0.34	1161.20	0.37	1161.25	0.90	1160.53
W06R	0.12	1163.12	0.14	1163.17	0.30	1162.69
W07	----	1162.97	----	1162.98	----	1162.68
W08	----	1175.00	----	1174.97	----	1172.48
W09	----	1162.30	----	1162.18	----	1161.86
W10A	----	1160.97	----	1161.01	----	1160.82
W10B	----	1160.96	----	1161.01	----	1160.85
W11	----	1160.82	----	1160.81	----	1160.71
W12	----	1160.42	----	1160.41	----	1160.32
W13	----	1161.35	----	1161.35	----	1161.16
W14	----	1159.46	----	1159.43	----	1159.38
W16	----	1161.70	----	1161.69	----	1161.42
W17	0.27	1161.25	0.09	1161.42	0.33	1160.95
W18	----	1160.98	----	1161.10	----	1160.88
W19	----	1163.39	----	1162.77	----	1162.29

TABLE 4

Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	June 27 1997		July 17 1997		August 27 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.70	----	1160.72	----	1160.61
W22	----	1161.35	----	1161.41	----	1161.08
W23	----	1160.63	----	1160.60	----	1160.52
W24A	----	1160.65	----	1160.58	----	1160.49
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1160.89	----	1160.91	----	1160.77
W27	----	1161.47	----	1161.33	----	1161.14
W28	----	1160.91	----	1161.11	----	1160.85
W29	----	1160.79	----	1160.83	----	1160.70
W30	0.68	1160.74	0.76	1160.71	1.02	1160.32
W31	----	1160.74	----	1160.87	----	1160.71
W32	----	1160.75	----	1160.86	----	1160.72
W33	----	1161.89	----	1161.87	0.02	1161.67
W34	0.28	1158.22	0.25	1158.32	0.31	1158.05
W35	0.57	1160.92	0.64	1160.99	0.70	1160.79
W36	----	1161.96	----	1161.86	----	1161.75
W39	----	1161.87	----	1161.87	----	1161.69
W40	0.50	1160.79	0.67	1160.76	0.90	1160.31
W41	----	1166.21	----	1162.12	----	1161.76
W42	----	1162.54	----	1162.60	0.02	1162.31
W44	0.20	1161.53	0.18	1161.56	0.14	1161.41
W45	----	1162.12	----	1162.00	0.06	1161.74
W46	0.96	1160.61	0.94	1160.64	1.01	1160.46
W47	2.36	1155.43	2.46	1155.36	1.94	1155.54
W48	0.54	1157.87	0.15	1158.16	0.52	1157.61
W49	0.43	1158.01	0.74	1157.78	0.92	1157.33
W66	----	1163.12	----	1163.17	----	1162.87
W67	----	1163.11	----	1163.17	----	1161.84
W68A	----	1163.13	----	1163.14	----	1163.00
W68B	----	1163.01	----	1163.12	----	1162.83
W69	0.39	1161.59	0.31	1161.73	0.52	1161.31
W70B	----	1162.85	----	1162.97	----	1162.70
River	----	1159.92	----	1159.84	----	1159.97

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

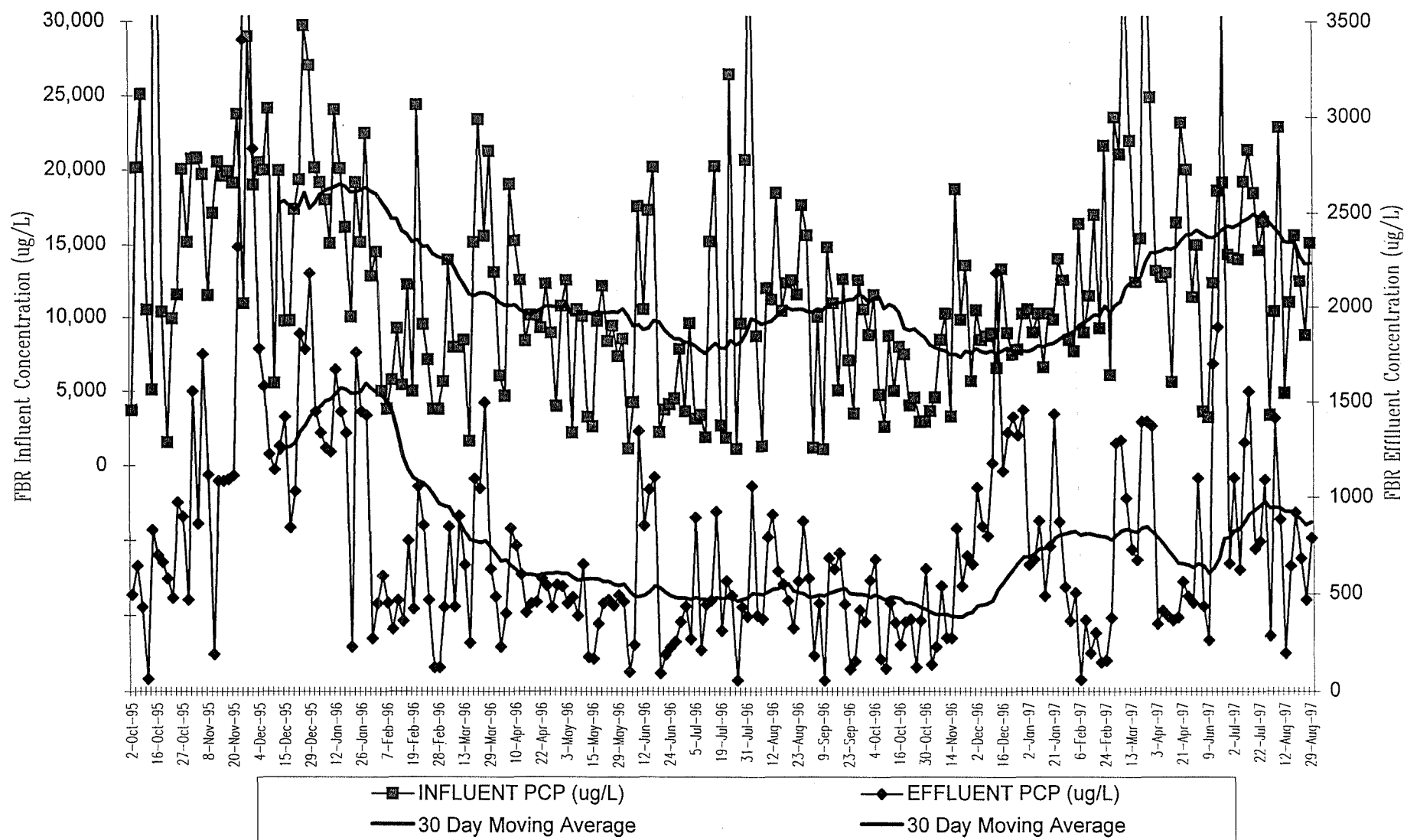
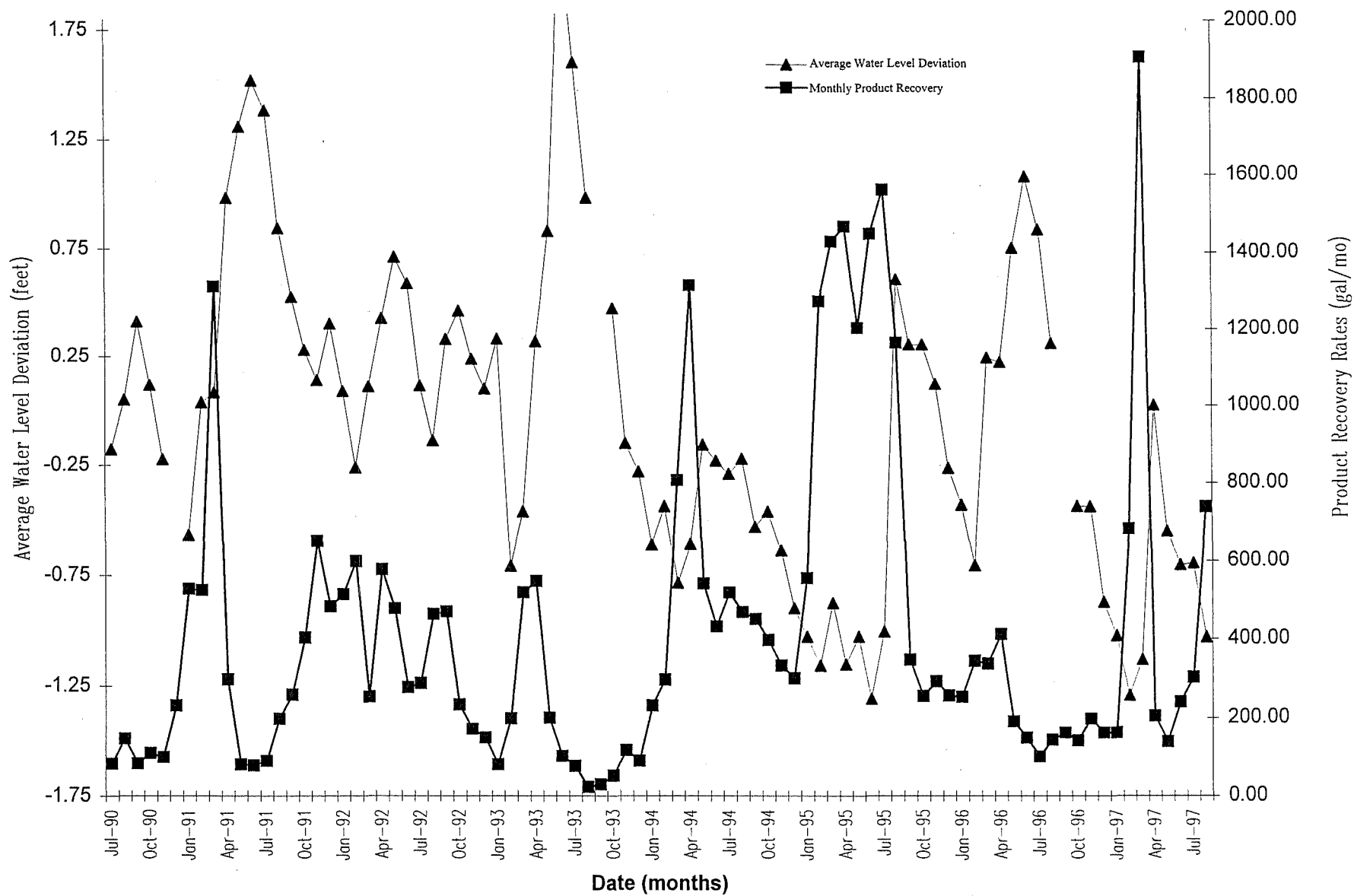


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates



Summary of Detects
Groundwater Monitoring Program - July 1997
Wauleco, Inc.
Wausau, Wisconsin

Parameter	W01A 7/11/97	W02 7/11/97	W03B 7/11/97	W08 7/11/97	W09 7/11/97	W10A 7/11/97	W10B 7/11/97	W11 7/11/97	W12 7/11/97	W13 7/11/97	W14 7/11/97	W16 7/11/97	W16 DUP 7/11/97	W18 7/11/97	W19 7/11/97	W19 DUP 7/11/97	W21 7/11/97
Volatiles (ug/L)																	
Chloroform				0.9				36	5.2		22	5.2	5.5			12	
Bromodichloromethane								1.8									
Methylene chloride																	
cis-1,2-Dichloroethene																	
Trichloroethene			1							3.3							
Tetrachloroethene																	
Benzene					1.7												
Toluene																	
Ethylbenzene		35			4												
m + p-Xylene		180			1.3	20											
o-Xylene		550				80								54			
Naphthalene		180			7.7	66				1.2				54			
1,2-Dichlorobenzene																	
1,2,3-Trichloropropane					0.15												
1,2,4-Trimethylbenzene	300	1400			3.4	440								380	200	180	
1,3,5-Trimethylbenzene	130	420				50									70	60	
p-Isopropyltoluene	24																
Isopropylbenzene		60			19	16								16	20	14	
n-Butylbenzene	160	140			4.5	32								22		16	
n-Propylbenzene					12	34								26	25	20	
sec-Butylbenzene	14	30			12									14		10	
Phenols (ug/L)																	
2,3,4,6-Tetrachlorophenol						1700	8.5										
2,4,5-Trichlorophenol	130													55		50	
2,4,6-Trichlorophenol	110															39	
2,4-Dichlorophenol	310														26	56	
2,4-Dimethylphenol	210													53		44	
2,4-Dinitrophenol															89		
2,6-Dichlorophenol	690														39	96	
2-Chlorophenol		1200															
2-Methylphenol	360														34	81	
2-Nitrophenol	380														37	71	
3&4-Methylphenol	230															38	
4-Chloro-3-Methylphenol	300													67	27	56	
4-Nitrophenol	170	2300		5.6							5				41	32	
Pentachlorophenol	340	21000	71		250	24000	76	8.3	3.5	260	4.7	2.9	3	15000	63	120	3.1
Phenol	230					800								320		68	
Indicators																	
Mineral Spirits (ug/L)	49000														4200	4100	
Chloride (mg/L)	89.4	54.5	14	75.6	37.1	32.5	2.34	277	83.6	75.5	186	173	220	40.7	221	273	79.1
Ammonia (mg/L)					0.3												
Nitrogen, NO ₃ & NO ₂ (mg/L)	2.14	0.17	3.93	3.62	0.16		0.36	0.52	5.5		2.44	5.44	5.67		0.76	1.49	2.58

Summary of Detects
Groundwater Monitoring Program - July 1997
Wauleco, Inc.
Wausau, Wisconsin

Parameter	W22 7/11/97	W25 7/11/97	W26 7/11/97	W27 7/11/97	W28 7/11/97	W29 7/11/97	W32 7/11/97	W33 7/11/97	W36 7/11/97	W39 7/11/97	W39 DUP 7/11/97	W41 7/11/97	BLANK 01 7/11/97	BLANK 02 7/11/97	TRIP BLANK 7/11/97
Volatiles (ug/L)															
Chloroform									24						
Bromodichloromethane															
Methylene chloride					0.4										
cis-1,2-Dichloroethene		8				0.7									
Trichloroethene	24	48	15	4	4.2	16			6						
Tetrachloroethene					0.3										
Benzene	10					1.3									
Toluene			45	6											
Ethylbenzene	16		35	18		0.3									
m + p-Xylene	20		200	46		1.1		300	4.5		180				
o-Xylene	190	1.6	480	260		8.8			32						
Naphthalene	70		120	95		2.6			7						
1,2-Dichlorobenzene						3.8									
1,2,3-Trichloropropane															
1,2,4-Trimethylbenzene	360	7	1300	750		29		2800	130	760	1300	160			
1,3,5-Trimethylbenzene	24	2.8	380	240				1100	44	360	680	140			
p-Isopropyltoluene				30				200			960				
Isopropylbenzene	14		40	23		3.9		370	6.5	160	460				
n-Butylbenzene	32		100	120				640	12	180	540	110			
n-Propylbenzene	28		90	36		3.6		410	12	120	1300	110			
sec-Butylbenzene	12		30	28		2.7		340	7	120	400				
Phenols (ug/L)															
2,3,4,6-Tetrachlorophenol	3100		5100					1300	120						
2,4,5-Trichlorophenol									94						
2,4,6-Trichlorophenol									71						
2,4-Dichlorophenol		150						1600	480	2800	3500				
2,4-Dimethylphenol								1100	210						
2,4-Dinitrophenol		230							660				51	27	
2,6-Dichlorophenol		170						2300	430	3400	3800				
2-Chlorophenol	500							8800			8500				
2-Methylphenol		140						2900	1400	3800	4300				
2-Nitrophenol		160					5.6	1900	1200	3300	3500				
3&4-Methylphenol								1500	440						
4-Chloro-3-Methylphenol									240						
4-Nitrophenol									110						
Pentachlorophenol	17000	590	47000	25000	150	1500	7.2	9200	1600	2300	2700	18000		3.9	
Phenol		120	1100	530				2500	1600	3600	4300				
Indicators															
Mineral Spirits (ug/L)	2800							87000	33000	160000	180000	10000			
Chloride (mg/L)	184	156	207	214	75.5	30.4	9.4	143	77	163	171	146			
Ammonia (mg/L)							0.9					0.3			
Nitrogen, NO ₃ & NO ₂ (mg/L)	0.2	5.5	0.25	0.32		0.15	0.15	0.57	1.4	1.24	1.44	3.76		1.4	



MONTGOMERY WATSON

02-37-000006

8/12/97

August 12, 1997

RECEIVED
AUG 14 1997
WAUSAU DNR

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

Re: June Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Mr. Evans:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the June Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. This report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Environmental Chemist

Douglas J. Bach, P.E.
Project Manager

PDD

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
JUNE 1997**

SUMMARY OF JUNE 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The results of the laboratory confirmation sample were not available for this status report, and will be provided in next month's report.

PCP influent concentrations ranged from 3,265 ug/L to 19,200 ug/L during June 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Treatment efficiency within the FBR ranged from 81% to 95%. We are continuing to track treatment efficiency gained by the addition of the fixed film reactor (FFR). Total treatment efficiency with the FFR (going to the polishing units) was 90% to 98% during June 1997. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for June was 241 gal compared to 137 gal removed in May. The product recovery increased at each well except PW5 and PW10. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for April, May, and June are summarized in Table 4. The summer round of semi-annual groundwater monitoring sampling occurred on July 9, 10, and 11, 1997.

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TABLE 1

Above Ground Treatment System Data
 Wauleco, Inc.
 Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Dissolved Oxygen	mg/L	3-Jun-97	6.2	1.4	1.7	0.4
		6-Jun-97	7.2	2.4	2.8	0.5
		9-Jun-97	6.4	1.8	1	0.5
		13-Jun-97	8.8	2.6	1.6	0.5
		16-Jun-97	8.8	2.7	1.7	0.4
		19-Jun-97	7.9	1.9	2	0.4
		24-Jun-97	7.8	1.8	1.6	0.2
		27-Jun-97	8	2	2.1	0.3
Nitrogen, Ammonia	mg/L	3-Jun-97	5	0.5	0.5	
		6-Jun-97	5	0.5	0.5	
		9-Jun-97	6	0	0	
		13-Jun-97	5	0.3	0.3	
		16-Jun-97	5	0.5	0.5	
		19-Jun-97	5	0.5	0.5	
		24-Jun-97	5	0.5	0.5	
		27-Jun-97	5	0.5	0.5	
Nitrogen, Nitrate	mg/L	3-Jun-97	0	0	0	
		6-Jun-97	0	1	1	
		9-Jun-97	0	0	0	
		13-Jun-97	0	1	0	
		16-Jun-97	0	1	0	
		19-Jun-97	0	1	1	
		24-Jun-97	0	1	1	
		27-Jun-97	0	1	1	

TABLE 1

Above Ground Treatment System Data
 Wauleco, Inc.
 Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen	ug/L	1-Jun-97				0
		2-Jun-97				1
		3-Jun-97				5
		4-Jun-97	3636	436	364	0
		5-Jun-97				2
		6-Jun-97				0
		7-Jun-97				0
		8-Jun-97				0
		9-Jun-97	3265	265	124	0
		10-Jun-97				0
		11-Jun-97				1
		12-Jun-97				2
		13-Jun-97				1
		14-Jun-97				0
		15-Jun-97				0
		16-Jun-97	12364	1700	982	5
		17-Jun-97				0
		18-Jun-97				0
		19-Jun-97	18645	1895	648	0
		20-Jun-97				0
		21-Jun-97				0
		22-Jun-97				0
		23-Jun-97				0
		24-Jun-97	19200	3560	960	0
		25-Jun-97				0
		26-Jun-97				0
		27-Jun-97	14352	657	346	0
		28-Jun-97				0
		29-Jun-97				0
		30-Jun-97				0

TABLE 1

Above Ground Treatment System Data
 Wauleco, Inc.
 Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
pH	S.U.	3-Jun-97	6.5	6.5	6.7	6.6
		6-Jun-97	6.5	6.6	6.7	6.7
		9-Jun-97	6.9	6.8	6.8	7
		13-Jun-97	6.9	6.8	6.9	7
		16-Jun-97	6.7	6.8	6.9	7
		19-Jun-97	6.7	6.7	6.8	6.8
		24-Jun-97	6.4	6.5	6.5	6.4
		27-Jun-97	6.7	6.7	6.8	6.8
Phosphorus, Phosphate	mg/L	3-Jun-97	1	2	2	
		6-Jun-97	1	2	2	
		9-Jun-97	3	3	3	
		13-Jun-97	3	2	3	
		16-Jun-97	3	2	2	
		19-Jun-97	2	1	0	
		24-Jun-97	3	0	0	
		27-Jun-97	2	0	0	

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ <u>(gpm)</u>	POTW Discharge Flow Rate ⁽¹⁾ <u>(gpm)</u>	POTW Totalized Discharge <u>(gal)</u>	Seepage Bed Discharge Flow Rate ⁽¹⁾ <u>(gpm)</u>
6/1/97	27	27	6,775,740	0
6/2/97	27	27	6,814,620	0
6/3/97	26.51	26.51	6,852,800	0
6/4/97	33.51	33.51	6,901,060	0
6/5/97	22.31	22.31	6,933,190	0
6/6/97	25.33	25.33	6,969,670	0
6/7/97	25.33	25.33	7,006,150	0
6/8/97	25.33	25.33	7,042,630	0
6/9/97	17.54	17.54	7,067,890	0
6/10/97	25.31	25.31	7,104,330	0
6/11/97	25.37	25.37	7,140,860	0
6/12/97	27.74	27.74	7,180,800	0
6/13/97	27.58	27.58	7,220,520	0
6/14/97	27.58	27.58	7,260,240	0
6/15/97	27.58	27.58	7,299,960	0
6/16/97	24.19	24.19	7,334,800	0
6/17/97	28.49	28.49	7,375,830	0
6/18/97	28.33	28.33	7,416,630	0
6/19/97	28.86	28.86	7,458,190	0
6/20/97	26.69	26.69	7,496,630	0
6/21/97	26.69	26.69	7,535,070	0
6/22/97	26.69	26.69	7,573,510	0
6/23/97	29.39	29.39	7,615,830	0
6/24/97	27.18	27.18	7,654,970	0
6/25/97	28.72	28.72	7,696,330	0
6/26/97	27.51	27.51	7,735,950	0
6/27/97	27.68	27.68	7,775,810	0
6/28/97	27.68	27.68	7,815,670	0
6/29/97	27.68	27.68	7,855,530	0
6/30/97	21.68	21.68	7,886,750	0
Average:	26.6	26.6		0
Total ⁽²⁾ :			1,111,010	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
6/1/97	0	0	0	0	0	1.7	0	1.7	0	1.72	5.12
6/2/97	1.72	1.72	0	0	1.72	1.72	0	3.44	0	1.72	12.0
6/3/97	1.72	0	0	0	0	0	0	1.72	0	0	3.44
6/4/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
6/5/97	1.72	0	0	0	0	0	0	3.44	0	1.72	6.88
6/6/97	1.72	0	0	0	0	0	0	3.44	0	1.72	6.88
6/7/97	0	0	0	0	0	0	0	3.44	0	0	3.44
6/8/97	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
6/9/97	0	0	0	0	0	1.72	0	1.72	0	0	3.44
6/10/97	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
6/11/97	0	0	0	0	0	0	0	3.44	0	3.44	6.88
6/12/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
6/13/97	0	0	0	0	0	0	0	3.44	0	3.44	6.88
6/14/97	0	0	0	0	0	0	0	3.44	0	3.44	6.88
6/15/97	0	0	0	0	0	0	0	3.44	0	3.44	6.88
6/16/97	0	0	0	0	0	0	0	3.4	0	1.72	5.12
6/17/97	1.72	0	0	0	0	1.72	0	1.72	0	0	5.16
6/18/97	0	0	0	0	0	1.72	0	3.44	0	1.72	6.88
6/19/97	1.72	0	0	0	0	1.72	0	1.72	0	0	5.16
6/20/97	1.72	0	0	0	0	1.72	0	3.44	0	1.72	8.6
6/21/97	0	0	0	0	0	3.44	0	6.88	0	3.44	13.76
6/22/97	0	0	0	0	0	3.44	0	6.88	0	3.44	13.76
6/23/97	0	0	0	0	0	8.6	0	6.88	0	3.44	18.92
6/24/97	0	0	0	0	0	6.88	0	6.88	0	1.72	15.48
6/25/97	0	0	0	0	0	10.32	0	5.16	0	1.72	17.2
6/26/97	0	0	0	0	0	10.32	0	3.44	0	0	13.76
6/27/97	0	0	0	0	0	1.72	0	3.44	0	1.72	6.88
6/28/97	1.72	0	0	0	0	1.72	0	3.44	0	0	6.88
6/29/97	1.72	0	0	0	0	1.72	0	3.44	0	1.72	8.6
6/30/97	0	0	0	0	0	3.44	0	3.44	0	1.72	8.6
Total	18.9	1.72	0	0	1.72	63.6	0	103	0	51.6	241

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well	April 24 1997		May 28 1997		June 27 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1163.53	----	1163.12	----	1162.85
PW02	----	1163.51	----	1163.05	----	1162.75
PW03	----	1163.40	----	1163.31	----	1162.74
PW3S	0.40	1161.07	0.60	1160.21	0.63	1159.98
PW04	0.58	1156.42	1.50	1155.00	0.73	1153.52
PW05	0.46	1154.87	1.20	1156.43	0.70	1155.43
PW06	0.43	1162.65	0.30	1162.14	0.42	1161.74
PW07	3.51	1152.75	0.30	1156.40	0.10	1154.20
PW08	0.13	1161.69	0.05	1161.42	0.12	1161.09
PW9I	----	1167.78	----	1165.58	----	1164.58
PW9O	----	1162.54	----	1162.14	----	1162.04
PW10	0.28	1160.93	----	1153.41	----	1156.61
PW11	----	1155.15	0.05	1159.70	0.11	1158.75
PW12	----	1163.61	----	1163.21	----	1162.96
PW13	0.29	1159.25	0.05	1158.55	----	1158.35
PW14	----	1161.67	----	1161.84	0.04	1161.65
PW15	2.47	1158.76	----	1158.31	----	1153.86
PW16	0.32	1158.76	1.00	1158.78	----	1157.88
P01	0.25	1162.23	0.27	1161.46	0.31	1161.24
OW01	----	1163.88	----	1163.48	----	1163.21
W01A	----	1164.05	----	1163.66	----	1163.43
W01B	----	1163.99	----	1163.65	----	1163.40
W02	----	1163.09	----	1162.85	----	1162.62
W03A	0.48	1161.86	0.35	1161.24	0.21	1161.20
W03B	----	1162.09	----	1161.72	----	1161.53
W04A	0.54	1162.56	0.65	1161.86	0.68	1161.54
W04B	0.34	1162.74	0.10	1162.33	0.23	1161.90
W05	0.15	1162.28	0.26	1161.48	0.34	1161.20
W06R	0.05	1163.80	0.10	1163.39	0.12	1163.12
W07	----	1163.62	----	1163.21	----	1162.97
W08	----	1174.91	----	1175.08	----	1175.00
W09	----	1162.76	----	1162.38	----	1162.30
W10A	----	1161.36	----	1161.07	----	1160.97
W10B	----	1161.31	----	1161.06	----	1160.96
W11	----	1161.15	----	1160.91	----	1160.82
W12	----	1160.70	----	1160.50	----	1160.42
W13	----	1161.88	----	1161.46	----	1161.35
W14	----	1159.66	----	1159.51	----	1159.46
W16	----	1162.44	----	1161.88	----	1161.70
W17	0.25	1162.22	0.15	1161.52	0.27	1161.25
W18	----	1161.30	----	1161.08	----	1160.98
W19	----	1163.66	----	1163.01	----	1163.39

TABLE 4

Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	April 24 1997		May 28 1997		June 27 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.90	----	1160.77	----	1160.70
W22	----	1162.36	----	1161.65	----	1161.35
W23	----	1160.84	----	1160.68	----	1160.63
W24A	----	1160.80	----	1160.65	----	1160.65
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1161.19	----	1160.97	----	1160.89
W27	----	1162.08	----	1161.54	----	1161.47
W28	----	1161.23	----	1161.04	----	1160.91
W29	----	1160.99	----	1160.87	----	1160.79
W30	0.12	1162.29	0.35	1161.24	0.68	1160.74
W31	----	1160.95	----	1160.87	----	1160.74
W32	----	1160.96	----	1160.89	----	1160.75
W33	----	1161.66	----	1160.99	----	1161.89
W34	----	1159.42	0.20	1158.60	0.28	1158.22
W35	1.71	1160.96	0.60	1161.04	0.57	1160.92
W36	----	1162.69	----	1162.11	----	1161.96
W39	----	1162.73	----	1161.97	----	1161.87
W40	0.45	1161.59	0.48	1161.19	0.50	1160.79
W41	----	1163.01	----	1162.70	----	1166.21
W42	----	1163.33	----	1162.86	----	1162.54
W44	0.47	1162.24	0.20	1161.63	0.20	1161.53
W45	----	1161.90	----	1162.18	----	1162.12
W46	0.53	1161.95	1.00	1160.87	0.96	1160.61
W47	2.62	1156.16	0.70	1157.29	2.36	1155.43
W48	0.25	1159.05	0.40	1158.08	0.54	1157.87
W49	----	1159.26	0.05	1158.56	0.43	1158.01
W66	----	1163.70	----	1163.38	----	1163.12
W67	----	1163.67	----	1163.34	----	1163.11
W68A	----	1163.72	----	1163.38	----	1163.13
W68B	----	1163.55	----	1163.29	----	1163.01
W69	0.38	1162.53	0.40	1161.85	0.39	1161.59
W70B	----	1163.63	----	1163.21	----	1162.85
River	----	1160.09	----	1159.96	----	1159.92

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

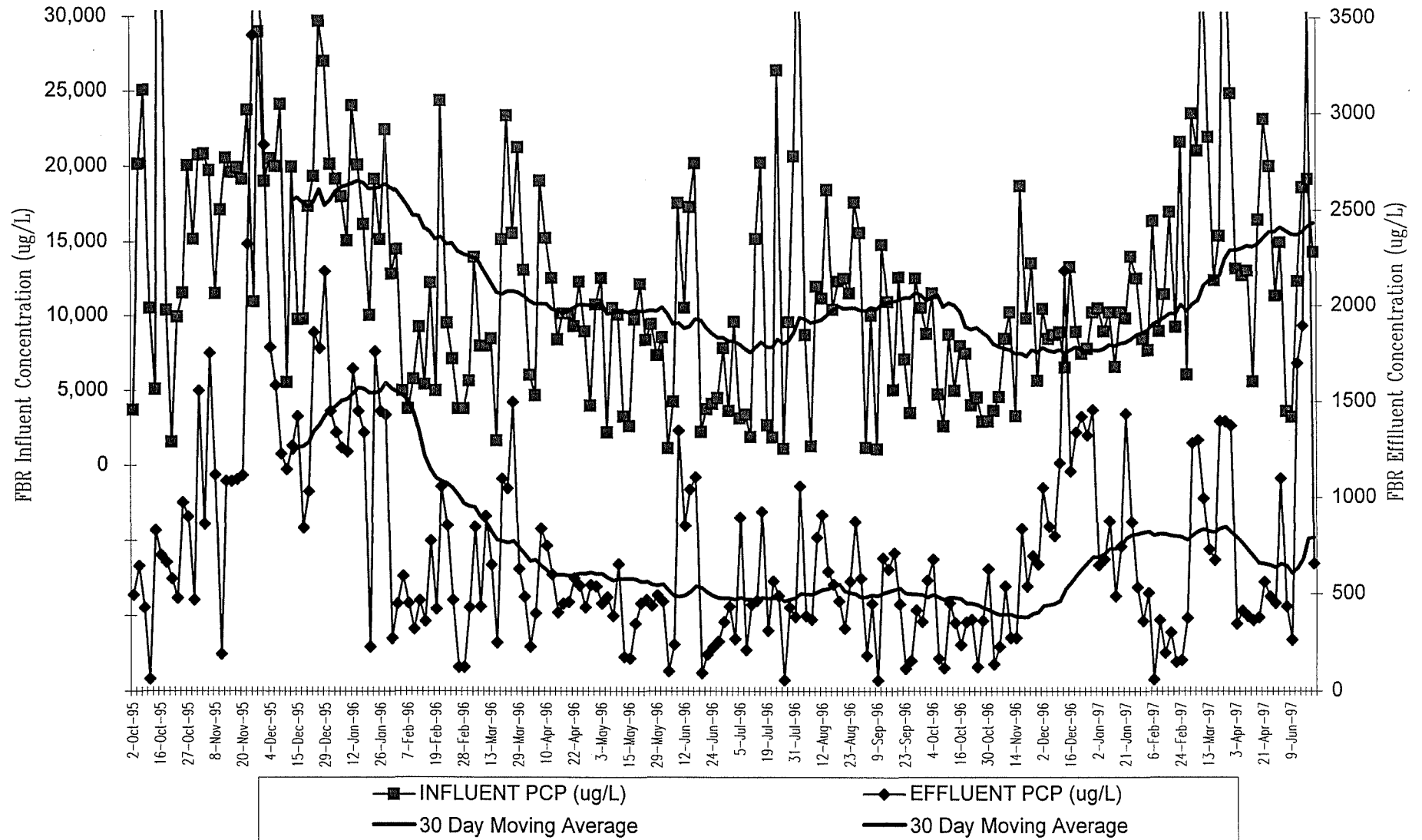
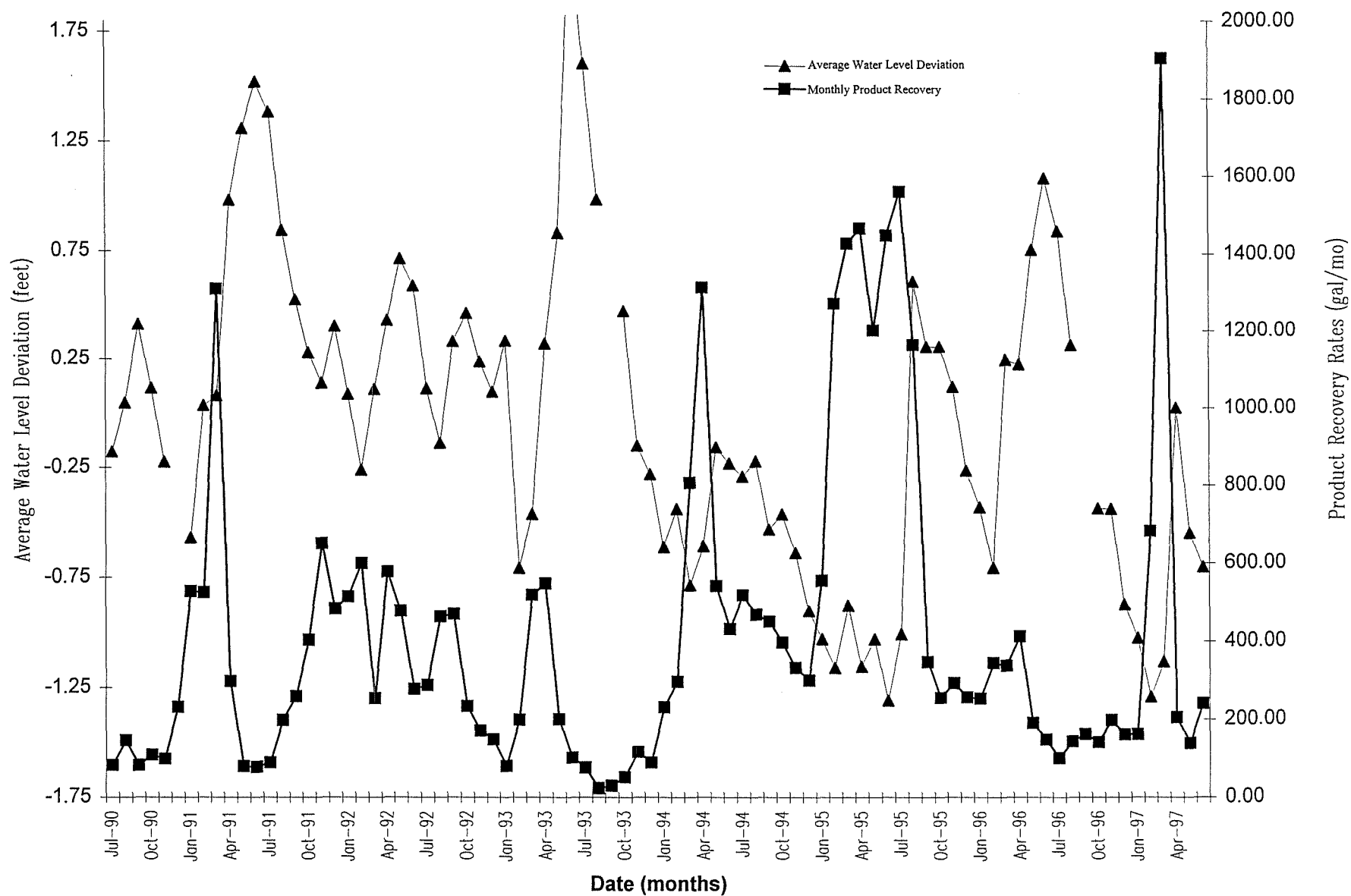


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

7/9/97

July 9, 1997

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

RECEIVED

JUL 11 1997

WAUSAU DNR

Re: May Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Mr. Evans:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the May Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. This report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Environmental Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
MAY 1997**

SUMMARY OF MAY 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening using the on-site gas chromatograph (GC) was performed on system effluent samples from May 1 through 4 only, due to required maintenance to the GC detector. These results, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected on May 22 confirmed that the effluent PCP concentration was less than 10 ug/L.

Laboratory results for PCP concentrations in samples collected May 22 from the fluidized bed reactor (FBR) influent, FBR effluent, and fixed film reactor (FFR) were 15,000 ug/L, 1,100 ug/L, and 170 ug/L respectively (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. As described in the April Progress Report, the equalization tank between the FBR and the sand filters was retrofitted to provide additional biological removal of PCP utilizing FFR technology. Treatment efficiency was 93% within the FBR, and 85% within the FFR. Because of the required maintenance to the on-site GC, treatment efficiencies are based only on one sampling date. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

We are continuing to work with the City to collect samples from the sanitary sewer system to evaluate the effectiveness of the WECO seals at reducing infiltration in the vicinity of the Wauleco property.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Average water levels decreased in May after a substantial increase during April. Total product recovery for May was 137 gal compared to 205 gal removed in April. The product recovery decreased at each well except PW10, and PW16, although the production rates appeared to be increasing toward the end of the month. (Table 3)

Groundwater Monitoring

Groundwater elevation and product thickness data for March, April, and May are summarized in Table 4. The summer round of semi-annual groundwater monitoring is scheduled for July 1997.

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TABLE 1

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	22-MAY-97	15	8		0
Chemical Oxygen Demand	mg/L	22-MAY-97	50	61		15
Chloride	mg/L	22-MAY-97	92.3	92.5		87.7
Dissolved Oxygen	mg/L	05-MAY-97	7.2	2.8	3.5	0.8
		08-MAY-97	6.7	2	2	0.4
		13-MAY-97	8.2	3.8	2	0.5
		16-MAY-97	7	2.2	3	0.4
		19-MAY-97	7	2	1.6	0.4
		23-MAY-97	7	2.1	1.5	0.4
		27-MAY-97	8.6	3.2	2.2	0.3
		29-MAY-97	7.6	2.5	2.3	0.4
Nitrogen, Ammonia	mg/L	05-MAY-97	7	1	7	
		08-MAY-97	4	0	5	
		13-MAY-97	5	0	6	
		16-MAY-97	5	0	0	
		19-MAY-97	5	0	0	
		23-MAY-97	5	0	0	
		27-MAY-97	5	0.5	0	
		29-MAY-97	5	0	0	
Nitrogen, Nitrate	mg/L	05-MAY-97	0	0.3	1.7	
		08-MAY-97	0	1	1.5	
		13-MAY-97	0	0	0.5	
		16-MAY-97	0	0.5	0.5	
		19-MAY-97	0	1	1	
		23-MAY-97	0	1	1	
		27-MAY-97	0	0.8	0.8	
		29-MAY-97	0	1	1	
Nitrogen, Nitrate + Nitrite	mg/L	22-MAY-97	0.27	1.85		1.04
Nitrogen, Total Kjeldahl	mg/L	22-MAY-97	4.07	2.29		0
Pentachlorophenol-Screen	ug/L	01-MAY-97				4
		02-MAY-97				5
		03-MAY-97				5
		04-MAY-97				6
pH	S.U.	05-MAY-97	6.7	6.8	6.8	6.7
		08-MAY-97	6.3	6.4	6.7	6.8
		13-MAY-97	6.4	6.8	7	7.1
		16-MAY-97	6.4	6.7	6.8	6.8
		19-MAY-97	6.3	6.4	6.4	6.5
		23-MAY-97	6.4	6.6	6.7	6.8
		27-MAY-97	6.6	6.6	6.7	6.6
		29-MAY-97	6.6	6.7	6.7	6.8
Phosphorus, Ortho	mg/L	22-MAY-97	0.88	0.68		0.73

TABLE 1

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Phosphorus, Phosphate	mg/L	05-MAY-97	1	1	1	
		08-MAY-97	0.3	0.8	1.5	
		13-MAY-97	1.5	1	0.2	
		16-MAY-97	1	1	0.5	
		19-MAY-97	2	2	2	
		23-MAY-97	2	2	2	
		27-MAY-97	2	2	2	
		29-MAY-97	2	2	2	
Solids, Total Suspended	mg/L	22-MAY-97	0	11	6	0
<u>PHENOLS</u>						
2,3,4,6-Tetrachlorophenol	ug/L	22-MAY-97	2200	110	24	0
2,4,5-Trichlorophenol	ug/L	22-MAY-97	0	0	0	0
2,4,6-Trichlorophenol	ug/L	22-MAY-97	0	0	0	0
2,4-Dichlorophenol	ug/L	22-MAY-97	0	0	0	0
2,4-Dimethylphenol	ug/L	22-MAY-97	0	0	0	0
2,4-Dinitrophenol	ug/L	22-MAY-97	0	0	0	0
2,6-Dichlorophenol	ug/L	22-MAY-97	0	0	0	0
2-Chlorophenol	ug/L	22-MAY-97	0	0	0	0
2-Methylphenol	ug/L	22-MAY-97	0	0	0	0
2-Nitrophenol	ug/L	22-MAY-97	0	0	0	2.3
3&4-Methylphenol	ug/L	22-MAY-97	0	0	0	0
4,6-Dinitro-2-Methylphenol	ug/L	22-MAY-97	0	0	0	0
4-Chloro-3-Methylphenol	ug/L	22-MAY-97	0	0	0	0
4-Nitrophenol	ug/L	22-MAY-97	0	0	0	0
Pentachlorophenol	ug/L	22-MAY-97	15000	1100	170	3.3
Phenol	ug/L	22-MAY-97	0	0	0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
5/1/97	22.59	22.59	5,650,000	0
5/2/97	22.59	22.59	5,682,540	0
5/3/97	22.59	22.59	5,715,080	0
5/4/97	22.59	22.59	5,747,620	0
5/5/97	11.82	11.82	5,764,650	0
5/6/97	11.32	11.32	5,780,960	0
5/7/97	24.79	24.79	5,816,660	0
5/8/97	27.01	27.01	5,855,560	0
5/9/97	26.89	26.89	5,894,290	0
5/10/97	26.89	26.89	5,933,020	0
5/11/97	26.89	26.89	5,971,750	0
5/12/97	18.38	18.38	5,998,220	0
5/13/97	25.47	25.47	6,034,910	0
5/14/97	27.84	27.84	6,075,000	0
5/15/97	27.03	27.03	6,113,930	0
5/16/97	24.6	24.6	6,149,360	0
5/17/97	24.6	24.6	6,184,790	0
5/18/97	24.6	24.6	6,220,220	0
5/19/97	35.16	35.16	6,270,860	0
5/20/97	27.9	27.9	6,311,040	0
5/21/97	27.44	27.44	6,350,560	0
5/22/97	27.44	27.44	6,390,080	0
5/23/97	27.09	27.09	6,429,100	0
5/24/97	27.09	27.09	6,468,120	0
5/25/97	27.09	27.09	6,507,140	0
5/26/97	27.09	27.09	6,546,160	0
5/27/97	27.47	27.47	6,585,720	0
5/28/97	25.53	25.53	6,622,490	0
5/29/97	27.07	27.07	6,661,480	0
5/30/97	27.07	27.07	6,700,470	0
5/31/97	27.07	27.07	6,739,460	0
Average:	25.1	25.1		0
Total ⁽²⁾ :			1,089,460	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
5/1/97	0	0	0	0	0	0	0	0	0	0	0
5/2/97	0	0	0	0	0	1.72	0	0	0	0	1.72
5/3/97	0	0	0	0	0	0	0	0	0	0	0
5/4/97	0	0	0	0	0	0	0	0	0	0	0
5/5/97	0	0	0	0	0	0	0	0	0	0	0
5/6/97	0	0	0	0	0	0	0	0	0	0	0
5/7/97	0	0	0	0	0	0	0	0	0	0	0
5/8/97	0	0	0	0	0	0	0	0	0	0	0
5/9/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
5/10/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
5/11/97	0	0	0	0	1.72	0	0	1.72	0	1.72	5.16
5/12/97	0	0	0	0	1.72	1.72	0	1.72	0	1.72	6.88
5/13/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
5/14/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/15/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/16/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
5/17/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/18/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/19/97	0	0	0	0	0	0	0	1.72	0	1.72	3.44
5/20/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/21/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/22/97	0	0	0	0	0	1.72	0	1.72	0	1.72	5.16
5/23/97	0	0	0	0	1.72	0	0	1.72	0	1.72	5.16
5/24/97	0	0	0	0	1.72	1.72	0	1.72	0	1.72	6.88
5/25/97	1.72	0	0	0	1.72	0	0	3.44	0	1.72	8.6
5/26/97	0	1.72	0	0	1.72	1.72	0	5.16	0	1.72	12.04
5/27/97	1.72	1.72	0	0	1.72	1.72	0	1.7	0	1.7	10.28
5/28/97	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
5/29/97	1.72	1.72	0	0	0	1.72	0	1.72	0	1.72	8.6
5/30/97	1.72	0	0	0	1.72	1.72	0	1.72	0	1.72	8.6
5/31/97	0	1.72	0	0	0	0	0	1.72	0	1.72	5.16
Total	8.6	6.9	0	0	13.8	24.1	0	44.7	0	39.5	137.56

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well	March 31 1997		April 24 1997		May 28 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	Frozen	----	1163.53	----	1163.12
PW02	----	Frozen	----	1163.51	----	1163.05
PW03	----	1163.25	----	1163.40	----	1163.31
PW3S	----	1160.71	0.40	1161.07	0.60	1160.21
PW04	0.30	1156.20	0.58	1156.42	1.50	1155.00
PW05	0.20	1156.03	0.46	1154.87	1.20	1156.43
PW06	----	Frozen	0.43	1162.65	0.30	1162.14
PW07	0.04	1153.65	3.51	1152.75	0.30	1156.40
PW08	----	1161.47	0.13	1161.69	0.05	1161.42
PW9I	----	1167.58	----	1167.78	----	1165.58
PW9O	----	1161.92	----	1162.54	----	1162.14
PW10	0.26	1159.51	0.28	1160.93	----	1153.41
PW11	0.05	1159.60	----	1155.15	0.05	1159.70
PW12	----	1162.86	----	1163.61	----	1163.21
PW13	0.20	1158.80	0.29	1159.25	0.05	1158.55
PW14	----	1161.87	----	1161.67	----	1161.84
PW15	0.05	1157.36	2.47	1158.76	----	1158.31
PW16	0.25	1158.88	0.32	1158.76	1.00	1158.78
P01	0.42	1161.32	0.25	1162.23	0.27	1161.46
OW01	----	Frozen	----	1163.88	----	1163.48
W01A	----	1163.18	----	1164.05	----	1163.66
W01B	----	1163.12	----	1163.99	----	1163.65
W02	----	1162.70	----	1163.09	----	1162.85
W03A	----	1160.74	0.48	1161.86	0.35	1161.24
W03B	----	1161.93	----	1162.09	----	1161.72
W04A	0.80	1161.51	0.54	1162.56	0.65	1161.86
W04B	0.20	1161.93	0.34	1162.74	0.10	1162.33
W05	0.48	1161.18	0.15	1162.28	0.26	1161.48
W06R	0.12	1162.92	0.05	1163.80	0.10	1163.39
W07	----	Frozen	----	1163.62	----	1163.21
W08	----	1173.30	----	1174.91	----	1175.08
W09	----	1163.92	----	1162.76	----	1162.38
W10A	----	1163.22	----	1161.36	----	1161.07
W10B	----	1162.84	----	1161.31	----	1161.06
W11	----	1161.94	----	1161.15	----	1160.91
W12	----	1161.23	----	1160.70	----	1160.50
W13	----	1163.61	----	1161.88	----	1161.46
W14	----	1160.04	----	1159.66	----	1159.51
W16	----	1162.60	----	1162.44	----	1161.88
W17	----	1162.22	0.25	1162.22	0.15	1161.52
W18	----	1164.07	----	1161.30	----	1161.08
W19	----	1163.45	----	1163.66	----	1163.01

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	March 31 1997		April 24 1997		May 28 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1162.15	----	1160.90	----	1160.77
W22	----	1161.60	----	1162.36	----	1161.65
W23	----	1161.25	----	1160.84	----	1160.68
W24A	----	1161.20	----	1160.80	----	1160.65
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1162.20	----	1161.19	----	1160.97
W27	----	1162.27	----	1162.08	----	1161.54
W28	----	1164.54	----	1161.23	----	1161.04
W29	----	1162.86	----	1160.99	----	1160.87
W30	0.77	1160.90	0.12	1162.29	0.35	1161.24
W31	----	1163.10	----	1160.95	----	1160.87
W32	----	1163.18	----	1160.96	----	1160.89
W33	----	Frozen	----	1161.66	----	1160.99
W34	0.10	1158.45	----	1159.42	0.20	1158.60
W35	0.40	1161.44	1.71	1160.96	0.60	1161.04
W36	----	1161.81	----	1162.69	----	1162.11
W39	----	1162.29	----	1162.73	----	1161.97
W40	----	1158.29	0.45	1161.59	0.48	1161.19
W41	----	Frozen	----	1163.01	----	1162.70
W42	0.10	1162.62	----	1163.33	----	1162.86
W44	0.04	1161.79	0.47	1162.24	0.20	1161.63
W45	----	1161.75	----	1161.90	----	1162.18
W46	0.59	1161.03	0.53	1161.95	1.00	1160.87
W47	1.62	1156.28	2.62	1156.16	0.70	1157.29
W48	0.38	1158.08	0.25	1159.05	0.40	1158.08
W49	0.09	1158.41	----	1159.26	0.05	1158.56
W66	----	1163.01	----	1163.70	----	1163.38
W67	----	1162.97	----	1163.67	----	1163.34
W68A	----	1163.20	----	1163.72	----	1163.38
W68B	----	1162.96	----	1163.55	----	1163.29
W69	0.30	1161.80	0.38	1162.53	0.40	1161.85
W70B	----	1163.32	----	1163.63	----	1163.21
River	----	1162.74	----	1160.09	----	1159.96

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

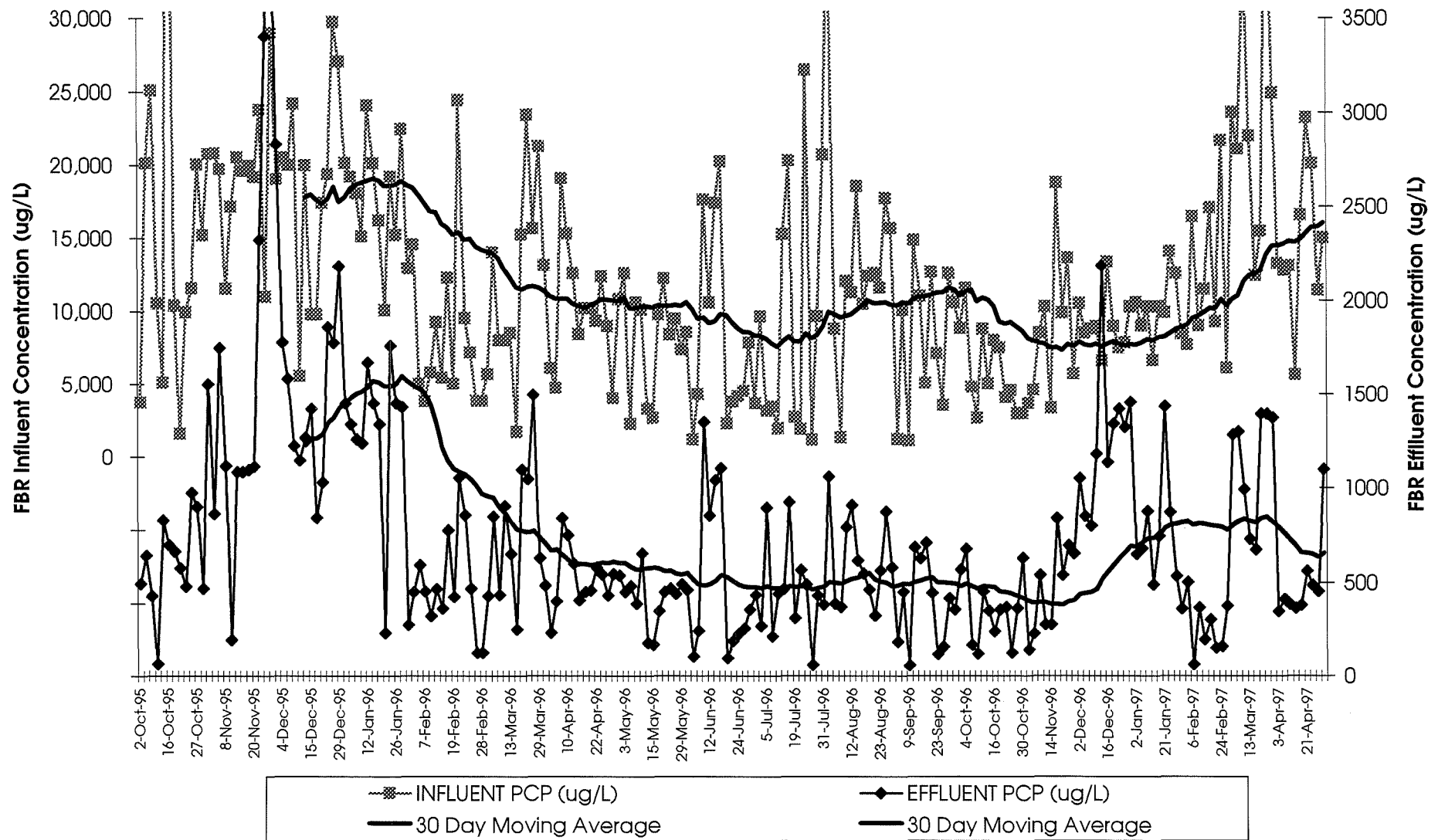
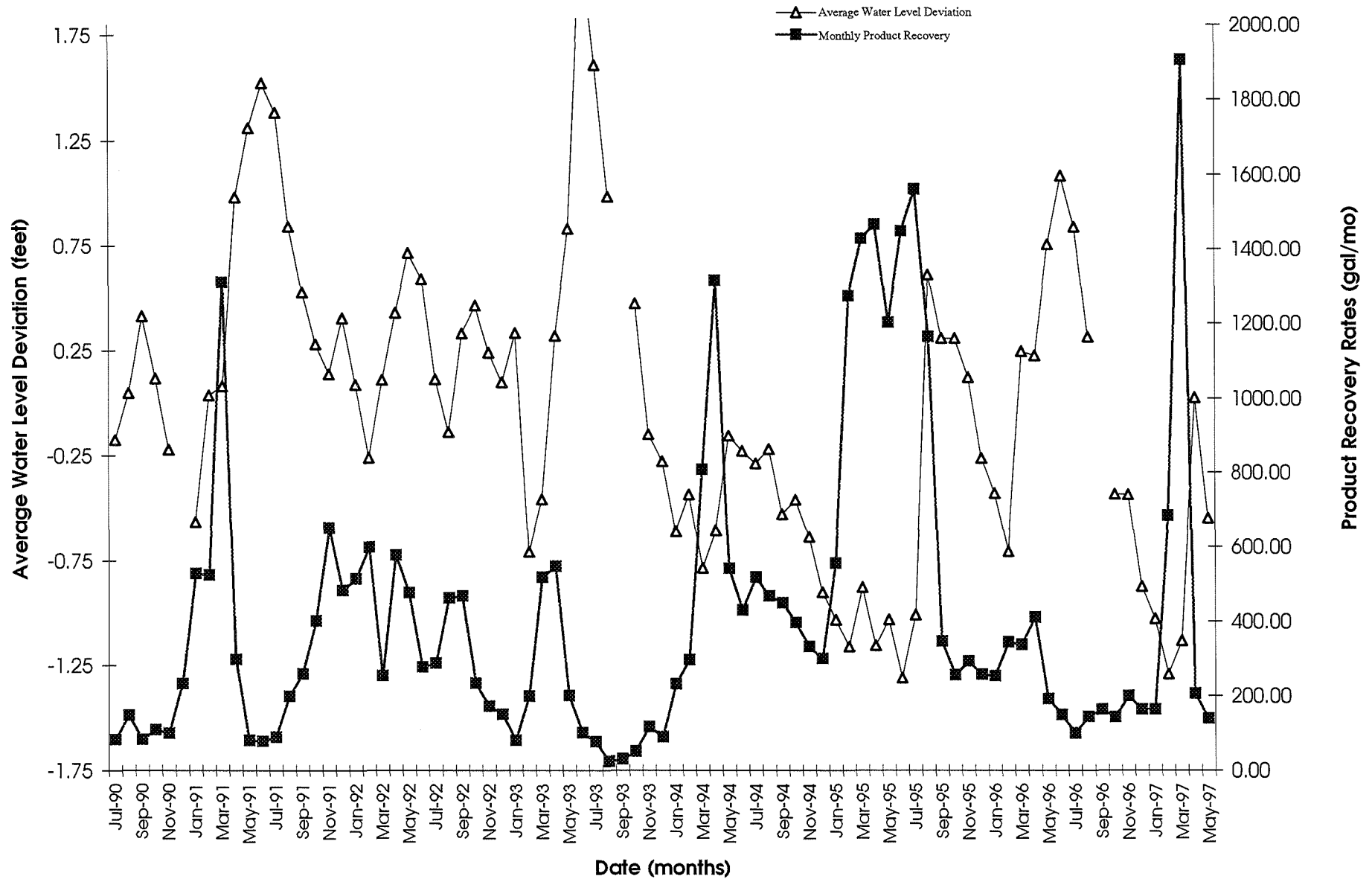


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates



5/20/97



MONTGOMERY WATSON

May 20, 1997

RECEIVED

MAY 21 1997

DNR - WD

Mr. Bill Evans
Wisconsin Department of Natural Resources
Western Region
1300 West Clairemont
P.O. Box 4001
Eau Claire, Wisconsin 54702

Re: April Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

MAY 27 1997

Dear Mr. Evans:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the April Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. This report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Environmental Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
APRIL 1997**

SUMMARY OF APRIL 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L. The result for a laboratory sample collected on April 17 confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 5,616 ug/L to 23,189 ug/L during April 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. As shown in Figure 1, FBR influent and effluent concentrations decreased during this reporting period. Treatment efficiency within the FBR averaged 97%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

An equalization tank between the FBR and the sand filters was retrofitted to provide additional biological removal of PCP. To promote the development of a fixed-film microbial population, the tank was filled with 7-in. diameter plastic support media and the pump-control floats were raised to maintain the tank water level above the media. In addition, a feed system was added to deliver ammonia to the distribution lateral at the top of the tank. Upon establishment of a biofilm on the media, an average PCP removal efficiency of 27% was observed in the fixed-film reactor. This additional biological treatment will reduce loading on downstream carbon canisters.

We are continuing to work with the City to collect samples from the sanitary sewer system to evaluate the effectiveness of the WECO seals at reducing infiltration in the vicinity of the Wauleco property.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Average water levels increased substantially during April in conjunction with the spring thaw, and total product recovery decreased dramatically. Product recovery for April was 205 gal compared to 1,905 gal removed in March. The product recovery decreased at each well except PW7.

Groundwater Monitoring

Groundwater elevation and product thickness data for February, March, and April are summarized in Table 4.

JMR/djh/DJB/JDD
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1242057.04810101-MD

TABLE 1

**Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin**

Parameter	Sampled	FBR Influent	FBR Effluent	System Effluent
Biochemical Oxygen Demand (mg/L)	4/17/97	21	7	<2
Chemical Oxygen Demand (mg/L)	4/17/97	70	30	16
Chloride (mg/L)	4/17/97	108	106	99.5
Dissolved Oxygen (mg/L)	4/3/97	6.5	1.8	0.6
	4/8/97	6.6	1.8	0.4
	4/11/97	6.6	1.8	0.4
	4/14/97	7	2.4	0.5
	4/17/97	7.1	2.5	0.3
	4/21/97	6.9	2.4	0.7
	4/25/97	7	2.3	0.7
	4/28/97	7.6	2.6	0.6
Nitrogen, Ammonia (mg/L)	4/3/97	4	0	
	4/8/97	5	0	
	4/11/97	5	0	
	4/14/97	4	0	
	4/17/97	6	0	
	4/21/97	5	1	
	4/25/97	5	0	
	4/28/97	6	0	
Nitrogen, Nitrate (mg/L)	4/3/97	0	0	
	4/8/97	0	0	
	4/11/97	0	1	
	4/14/97	0	0	
	4/17/97	0	0	
	4/21/97	0	0	
	4/25/97	0	0	
	4/28/97	0	0.3	
Nitrogen, Nitrate + Nitrite (mg/L)	4/17/97	0.34	1.72	1.96
Nitrogen, Total Kjeldahl (mg/L)	4/17/97	6.20	1.53	2.52
Pentachlorophenol-Screen (ug/L)	4/1/97			3
	4/2/97			3
	4/3/97	13206	346	0
	4/4/97			2
	4/5/97			3
	4/6/97			1
	4/7/97			2
	4/8/97	12736	413	3
	4/9/97			2
	4/10/97			2
	4/11/97	13057	385	1
	4/12/97			3
	4/13/97			2
	4/14/97	5616	364	5
	4/15/97			4
	4/16/97			7

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

Parameter	Sampled	FBR Influent	FBR Effluent	System Effluent
Pentachlorophenol-Screen (ug/L)	4/17/97	16504	379	9
	4/18/97			6
	4/19/97			7
	4/20/97			7
	4/21/97	23189	562	9
	4/22/97			9
	4/23/97			9
	4/24/97			6
	4/25/97	20050	486	6
	4/26/97			5
	4/27/97			6
	4/28/97	11378	452	1
	4/29/97			4
	4/30/97			5
Phosphorus, Ortho (mg/L)	4/17/97	0.25	0.21	0.27
Phosphorus, Phosphate (mg/L)	4/3/97	1	1	
	4/8/97	1	1	
	4/11/97	1	1	
	4/14/97	1	1	
	4/17/97	1	1	
	4/21/97	1	0	
	4/25/97	1	0	
	4/28/97	0.8	0.8	
Solids, Total Suspended (mg/L)	4/17/97	23	18	6
pH (S.U.)	4/3/97	6.3	6.3	6.5
	4/8/97	6.3	6.8	6.8
	4/11/97	6.4	6.8	6.8
	4/14/97	6.6	6.8	6.8
	4/17/97	6.8	6.8	6.8
	4/21/97	6.7	6.8	6.7
	4/25/97	6.7	6.7	6.8
	4/28/97	6.4	6.5	6.8
2,3,4,6-Tetrachlorophenol (ug/L)	4/17/97	3100	40	<2.0
2,4,5-Trichlorophenol (ug/L)		<2000	<20	<2.0
2,4,6-Trichlorophenol (ug/L)		<2000	<20	<2.0
2,4-Dichlorophenol (ug/L)		<2000	<20	2.3
2,4-Dimethylphenol (ug/L)		<2000	<20	<2.0
2,4-Dinitrophenol (ug/L)		<2000	<20	2.2
2,6-Dichlorophenol (ug/L)		<2000	<20	<2.0
2-Chlorophenol (ug/L)		<2000	<20	<2.0
2-Methylphenol (ug/L)		<2000	<20	<2.0
2-Nitrophenol (ug/L)		<2000	<20	<2.0
3&4-Methylphenol (ug/L)		<2000	<20	<2.0
4,6-Dinitro-2-methylphenol (ug/L)		<2000	<20	<2.0
4-Chloro-3-methylphenol (ug/L)		<2000	<20	<2.0
4-Nitrophenol (ug/L)		<2000	<20	<2.0
Pentachlorophenol (ug/L)		16000	270	5.5
Phenol (ug/L)		<2000	<20	<2.0

TABLE 2

Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

Date	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
4/1/97	21.84	24.99	4,553,140	0.00
4/2/97	21.84	24.99	4,589,130	0.00
4/3/97	19.40	22.81	4,621,980	0.00
4/4/97	23.86	26.24	4,659,770	0.00
4/5/97	23.86	26.24	4,697,560	0.00
4/6/97	23.86	26.24	4,735,350	0.00
4/7/97	28.78	28.26	4,776,040	0.00
4/8/97	29.78	28.26	4,816,730	0.00
4/9/97	30.78	28.26	4,857,420	0.00
4/10/97	19.65	23.42	4,891,140	0.00
4/11/97	25.15	27.67	4,930,980	0.00
4/12/97	25.15	27.67	4,970,820	0.00
4/13/97	25.15	27.67	5,010,660	0.00
4/14/97	24.60	23.32	5,044,240	0.00
4/15/97	17.72	17.68	5,069,700	0.00
4/16/97	21.14	25.90	5,107,000	0.00
4/17/97	24.86	26.80	5,145,590	0.00
4/18/97	25.61	26.67	5,183,990	0.00
4/19/97	25.61	26.67	5,222,390	0.00
4/20/97	25.61	26.67	5,260,790	0.00
4/21/97	20.80	13.34	5,280,000	0.00
4/22/97	25.99	22.17	5,311,920	0.00
4/23/97	21.75	27.82	5,351,980	0.00
4/24/97	21.75	27.82	5,392,040	0.00
4/25/97	23.79	25.64	5,428,960	0.00
4/26/97	23.79	25.64	5,465,880	0.00
4/27/97	23.79	25.64	5,502,800	0.00
4/28/97	25.74	26.19	5,540,520	0.00
4/29/97	19.81	21.51	5,571,490	0.00
4/30/97	25.74	26.98	5,610,340	0.00
Average:	23.91	25.31		0.00
Total ⁽²⁾ :			1,057,200	

Footnotes:

(1) Influent, POTW, and Seepage Bed flow rates are daily averages.

(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3
Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
4/1/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/2/97	0.0	0.0	0.0	0.0	0.0	1.7	0.0	5.2	0.0	1.7	8.6
4/3/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	1.7	5.2
4/4/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.4	5.2
4/5/97	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.4	0.0	3.4	8.6
4/6/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	3.4	0.0	3.4	8.6
4/7/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	3.4
4/8/97	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	3.4
4/9/97	0.0	0.0	0.0	0.0	1.7	1.7	0.0	1.7	0.0	1.7	6.9
4/10/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7
4/11/97	0.0	0.0	0.0	0.0	1.7	1.7	0.0	3.4	0.0	0.0	6.9
4/12/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	3.4
4/13/97	0.0	0.0	0.0	0.0	1.7	1.7	0.0	3.4	0.0	0.0	6.9
4/14/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7
4/15/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	0.0	1.7	5.2
4/16/97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	3.4
4/17/97	0.0	0.0	0.0	0.0	1.7	1.7	0.0	1.7	0.0	1.7	6.9
4/18/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	0.0	1.7	5.2
4/19/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	0.0	1.7	5.2
4/20/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	3.4	0.0	3.4	8.6
4/21/97	0.0	0.0	0.0	0.0	1.7	0.0	0.0	5.2	0.0	3.4	10.3
4/22/97	1.7	0.0	1.7	0.0	0.0	1.7	0.0	3.4	0.0	3.4	12.0
4/23/97	1.7	0.0	0.0	0.0	0.0	1.7	0.0	3.4	0.0	5.2	12.0
4/24/97	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.4	0.0	3.4	8.6
4/25/97	1.7	1.7	1.7	0.0	0.0	1.7	0.0	3.4	0.0	3.4	13.8
4/26/97	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.4	0.0	3.4	8.6
4/27/97	1.7	0.0	0.0	0.0	0.0	3.4	0.0	1.7	0.0	3.4	10.3
4/28/97	1.7	0.0	1.7	0.0	0.0	3.4	0.0	0.0	0.0	1.7	8.6
4/29/97	0.0	0.0	0.0	0.0	0.0	3.4	0.0	1.7	0.0	1.7	6.9
4/30/97	1.7	0.0	3.4	0.0	0.0	3.4	0.0	0.0	0.0	0.0	8.6
Total:	10.3	3.4	8.6	0.0	17.2	32.7	0.0	72.2	0.0	60.2	204.7

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

Well	February 26, 1997		March 31 1997		April 24 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	Frozen	----	Frozen	----	1163.53
PW02	----	Frozen	----	Frozen	----	1163.51
PW03	----	Frozen	----	1163.25	----	1163.40
PW3S	----	Frozen	----	1160.71	0.40	1161.07
PW04	----	1155.70	0.30	1156.20	0.58	1156.42
PW05	----	1155.13	0.20	1156.03	0.46	1154.87
PW06	----	Frozen	----	Frozen	0.43	1162.65
PW07	----	1154.85	0.04	1153.65	3.51	1152.75
PW08	----	Frozen	----	1161.47	0.13	1161.69
PW9I	----	1167.38	----	1167.58	----	1167.78
PW9O	----	1161.54	----	1161.92	----	1162.54
PW10	----	1159.06	0.26	1159.51	0.28	1160.93
PW11	0.20	1158.85	0.05	1159.60	----	1155.15
PW12	----	1162.56	----	1162.86	----	1163.61
PW13	----	1158.30	0.20	1158.80	0.29	1159.25
PW14	----	Frozen	----	1161.87	----	1161.67
PW15	----	1155.91	0.05	1157.36	2.47	1158.76
PW16	----	1158.18	0.25	1158.88	0.32	1158.76
P01	0.54	1160.77	0.42	1161.32	0.25	1162.23
OW01	----	Frozen	----	Frozen	----	1163.88
W01A	----	1162.92	----	1163.18	----	1164.05
W01B	----	1162.96	----	1163.12	----	1163.99
W02	----	1161.95	----	1162.70	----	1163.09
W03A	----	1161.02	----	1160.74	0.48	1161.86
W03B	----	1161.39	----	1161.93	----	1162.09
W04A	0.69	1161.14	0.80	1161.51	0.54	1162.56
W04B	0.31	1161.47	0.20	1161.93	0.34	1162.74
W05	0.73	1160.53	0.48	1161.18	0.15	1162.28
W06R	0.20	1162.63	0.12	1162.92	0.05	1163.80
W07	----	Frozen	----	Frozen	----	1163.62
W08	----	Frozen	----	1173.30	----	1174.91
W09	----	1162.07	----	1163.92	----	1162.76
W10A	----	1161.12	----	1163.22	----	1161.36
W10B	----	1161.08	----	1162.84	----	1161.31
W11	----	1160.89	----	1161.94	----	1161.15
W12	----	1160.49	----	1161.23	----	1160.70
W13	----	1161.38	----	1163.61	----	1161.88
W14	----	1159.53	----	1160.04	----	1159.66
W16	----	1161.43	----	1162.60	----	1162.44
W17	0.52	1160.70	----	1162.22	0.25	1162.22
W18	----	1161.19	----	1164.07	----	1161.30
W19	----	1162.18	----	1163.45	----	1163.66

TABLE 4

**Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin**

Well	February 26, 1997		March 31 1997		April 24 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	Frozen	----	1162.15	----	1160.90
W22	----	1161.07	----	1161.60	----	1162.36
W23	----	Frozen	----	1161.25	----	1160.84
W24A	----	1160.64	----	1161.20	----	1160.80
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1161.00	----	1162.20	----	1161.19
W27	----	Frozen	----	1162.27	----	1162.08
W28	----	1161.25	----	1164.54	----	1161.23
W29	----	1160.98	----	1162.86	----	1160.99
W30	1.20	1160.07	0.77	1160.90	0.12	1162.29
W31	----	1161.05	----	1163.10	----	1160.95
W32	----	1161.05	----	1163.18	----	1160.96
W33	----	Frozen	----	Frozen	----	1161.66
W34	0.27	1157.87	0.10	1158.45	----	1159.42
W35	0.28	1160.92	0.40	1161.44	1.71	1160.96
W36	0.04	1161.46	----	1161.81	----	1162.69
W39	----	Frozen	----	1162.29	----	1162.73
W40	----	Frozen	----	1158.29	0.45	1161.59
W41	----	Frozen	----	Frozen	----	1163.01
W42	0.06	1162.08	0.10	1162.62	----	1163.33
W44	0.08	1161.31	0.04	1161.79	0.47	1162.24
W45	0.21	1161.14	----	1161.75	----	1161.90
W46	0.77	1160.47	0.59	1161.03	0.53	1161.95
W47	2.18	1155.21	1.62	1156.28	2.62	1156.16
W48	0.46	1157.40	0.38	1158.08	0.25	1159.05
W49	0.76	1157.24	0.09	1158.41	----	1159.26
W66	----	1162.72	----	1163.01	----	1163.70
W67	----	1162.66	----	1162.97	----	1163.67
W68A	0.13	1162.58	----	1163.20	----	1163.72
W68B	----	1162.60	----	1162.96	----	1163.55
W69	0.25	1161.35	0.30	1161.80	0.38	1162.53
W70B	----	1162.87	----	1163.32	----	1163.63
River	----	Frozen	----	1162.74	----	1160.09

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

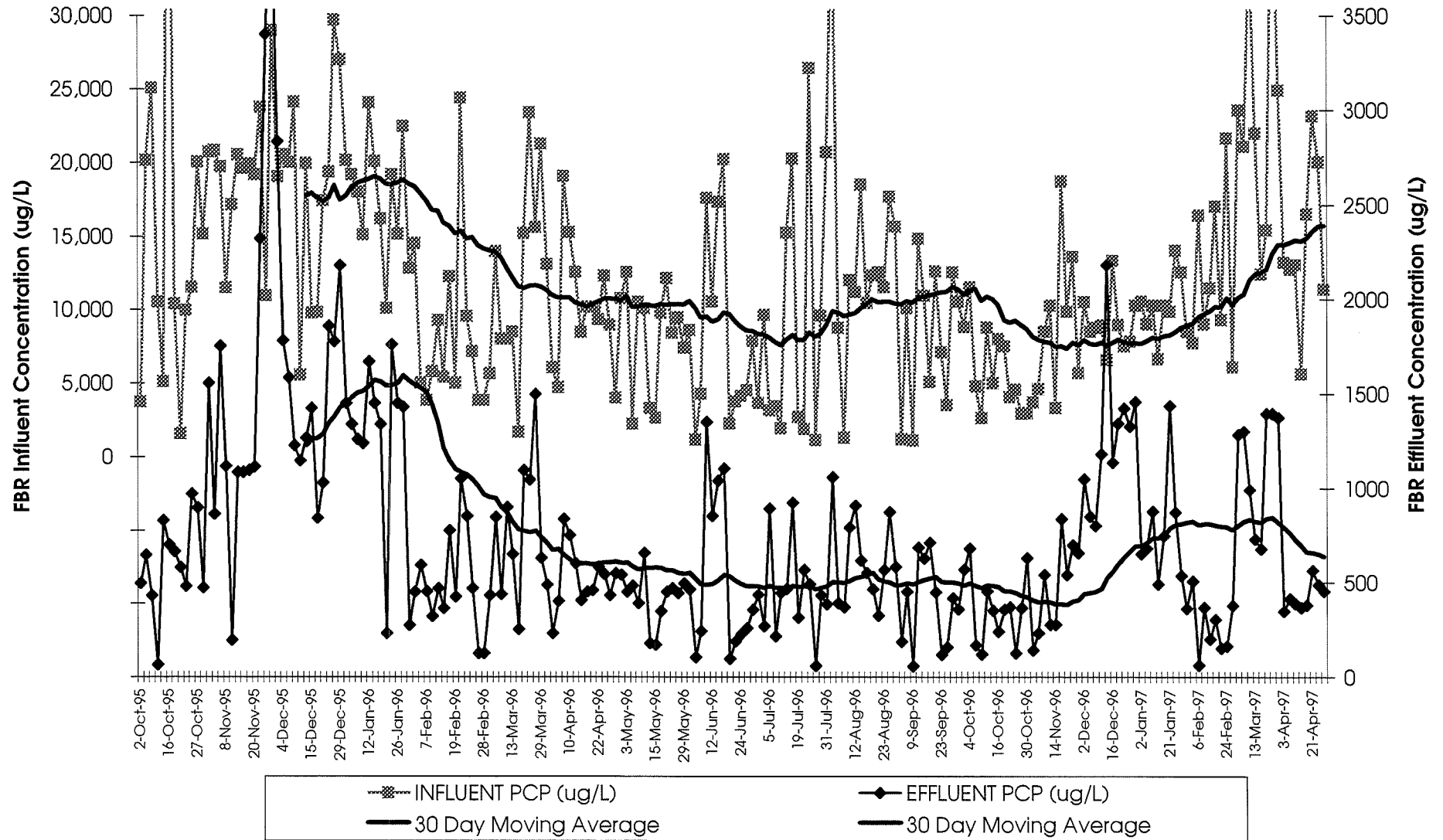
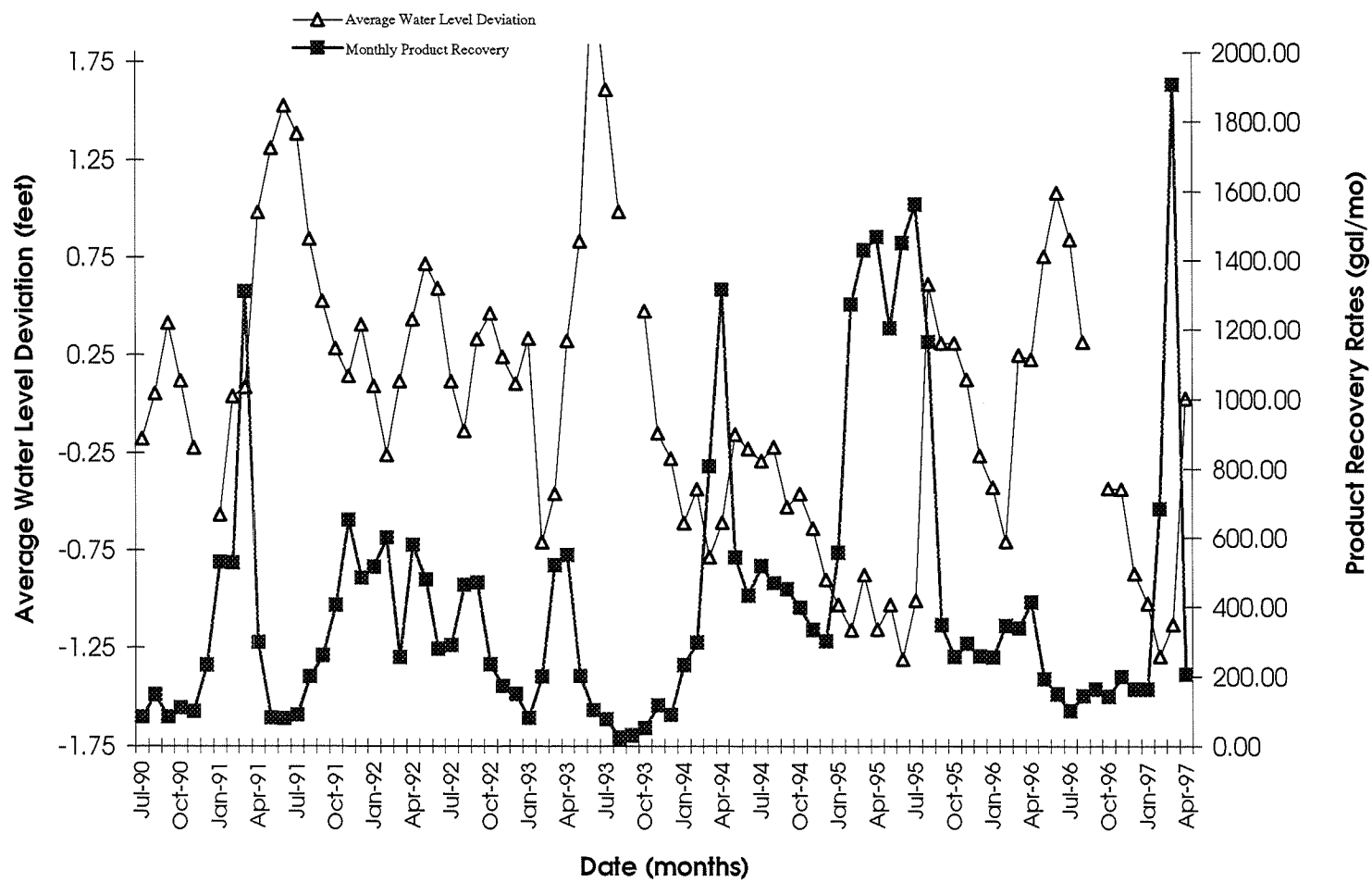


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

02-37-000006
4/18/97

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DNR - WD

April 17, 1997

Mr. Bill Evans
Wisconsin Department of Natural Resources
Western Region
1300 West Clairemont
P.O. Box 4001
Eau Claire, Wisconsin 54702

Re: March Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

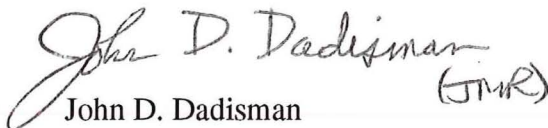
Dear Mr. Evans:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the March Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. This report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON


John D. Dadisman
Environmental Chemist


Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

JMR/vlr/JDD/DJB
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WAULECO INCORPORATED WAUSAU, WISCONSIN MONTHLY REPORT MARCH 1997

SUMMARY OF MARCH 1997 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L except for the sample collected on March 21, which showed a screening concentration of 16 ug/L. Subsequent daily screening results indicated that the effluent PCP concentration was below 10 ug/L. The result for a laboratory sample collected on March 18 confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 12,406 ug/L to 41,674 ug/L during March 1997 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. As shown in Figure 1, FBR influent concentrations increased dramatically during this reporting period, and the FBR effluent concentrations showed a corresponding increase. The increased influent concentrations are attributed to contact with the high volumes of product present in the recovery wells during this period. Treatment efficiency within the FBR averaged 95%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW is shown in Table 2 for the reporting period.

We are continuing to work with the City to collect samples from the sanitary sewer system to evaluate the effectiveness of the WECO seals at reducing infiltration in the vicinity of the Wauleco property.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Average water levels increased slightly and total product recovery increased dramatically during March. Product recovery for March was 1,905 gal compared to 682 gal removed in February. The product recovery increased at each well except PW7, with the highest product recovery rates from wells PW11 and PW13.

Groundwater Monitoring

Groundwater elevation and product thickness data for January, February, and March are summarized in Table 4.

JMR/djh/JDD/DJB
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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	3/18/97	23	18	2
Chemical Oxygen Demand	mg/L	3/18/97	53	23	12
Chloride	mg/L	3/18/97	126	145	126
Dissolved Oxygen	mg/L	3/3/97	5.8	2.2	0.7
		3/6/97	6	2.3	0.8
		3/10/97	6.2	2	0.7
		3/13/97	6.4	2.6	0.6
		3/17/97	5.7	1.8	0.6
		3/21/97	7.1	2.5	0.6
		3/25/97	7.8	4	1.5
		3/31/97	7.8	4	0.7
Nitrogen, Ammonia	mg/L	3/3/97	3	0	
		3/6/97	3.5	0	
		3/10/97	7	1	
		3/13/97	6	0	
		3/17/97	6	1	
		3/21/97	6	1	
		3/25/97	6	1	
		3/31/97	4	1	
Nitrogen, Nitrate	mg/L	3/3/97	0	0	
		3/6/97	0	2	
		3/10/97	0	1.5	
		3/13/97	0	1	
		3/17/97	0	2.5	
		3/21/97	0	2	
		3/25/97	0	2	
		3/31/97	0	2	
Nitrogen, Nitrate + Nitrite	mg/L	3/18/97	0.2	2.95	3.37
Nitrogen, Total Kjeldahl	mg/L	3/18/97	3.94	0.98	0.65
Pentachlorophenol-Screen	ug/L	3/1/97			2
		3/2/97			4
		3/3/97	23552	1284	8
		3/4/97			6
		3/5/97			4
		3/6/97	21082	1300	6
		3/7/97			8
		3/8/97			6
		3/9/97			6
		3/10/97	34628	994	0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen		3/11/97			2
		3/12/97			6
		3/13/97	21976	730	10
		3/14/97			4
		3/15/97			4
		3/16/97			4
		3/17/97	12406	676	10
		3/18/97			6
		3/19/97			4
		3/20/97			4
		3/21/97	15432	1396	16
		3/22/97			6
		3/23/97			6
		3/24/97			6
		3/25/97	41674	1396	6
		3/26/97			6
		3/27/97			8
		3/28/97			6
		3/29/97			6
		3/30/97			0
		3/31/97	24900	1374	8
pH	S.U.	3/3/97	6.5	6.5	6.5
		3/6/97	6.2	6.6	6.5
		3/10/97	6.3	6.4	6.2
		3/13/97	6.5	6.6	6.6
		3/17/97	6.6	6.7	6.5
		3/21/97	6.5	6.6	6.7
		3/25/97	6.4	6.8	6.6
		3/31/97	6.6	6.5	6.6
Phosphorus, Ortho	mg/L	3/18/97	0.93	0.79	0.86
Phosphorus, Phosphate	mg/L	3/3/97	5	5	
		3/6/97	2	2	
		3/10/97	2	2	
		3/13/97	2	0.3	
		3/17/97	3	2	
		3/21/97	2	2	
		3/25/97	3	3	
		3/31/97	3	3	
Solids, Total Suspended	mg/L	3/18/97	6	11	0
2,3,4,6-Tetrachlorophenol	ug/L	3/18/97	3000	29	0
2,4,5-Trichlorophenol	ug/L	3/18/97	0	0	0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
2,4,6-Trichlorophenol	ug/L	3/18/97	0	0	0
2,4-Dichlorophenol	ug/L	3/18/97	0	0	0
2,4-Dimethylphenol	ug/L	3/18/97	0	0	0
2,4-Dinitrophenol	ug/L	3/18/97	0	0	0
2,6-Dichlorophenol	ug/L	3/18/97	0	0	0
2-Chlorophenol	ug/L	3/18/97	0	0	0
2-Methylphenol	ug/L	3/18/97	0	0	0
2-Nitrophenol	ug/L	3/18/97	0	0	0
3&4-Methylphenol	ug/L	3/18/97	0	0	0
4,6-Dinitro-2-Methylphenol	ug/L	3/18/97	0	0	0
4-Chloro-3-Methylphenol	ug/L	3/18/97	0	0	0
4-Nitrophenol	ug/L	3/18/97	0	0	0
Pentachlorophenol	ug/L	3/18/97	21000	320	6.4
Phenol	ug/L	3/18/97	770	1.5	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
3/1/97	24.9	24.9	3,468,230	0
3/2/97	24.9	24.9	3,504,030	0
3/3/97	24.9	24.9	3,539,830	0
3/4/97	24.9	24.9	3,575,630	0
3/5/97	24.9	24.9	3,611,430	0
3/6/97	24.9	24.9	3,647,230	0
3/7/97	31.1	31.1	3,692,060	0
3/8/97	26.35	26.35	3,730,000	0
3/9/97	26.35	26.35	3,767,940	0
3/10/97	10.0	10.0	3,782,280	0
3/11/97	28.7	28.7	3,823,620	0
3/12/97	25.2	25.2	3,859,850	0
3/13/97	26.5	26.5	3,898,010	0
3/14/97	23.9	23.9	3,932,470	0
3/15/97	23.9	23.9	3,966,930	0
3/16/97	26.7	26.7	4,005,410	0
3/17/97	26.1	26.1	4,043,010	0
3/18/97	25.7	25.7	4,079,990	0
3/19/97	25.7	25.7	4,116,970	0
3/20/97	25.7	25.7	4,153,950	0
3/21/97	24.2	24.2	4,188,850	0
3/22/97	28.6	28.6	4,230,000	0
3/23/97	27.8	27.8	4,270,000	0
3/24/97	20.8	20.8	4,300,000	0
3/25/97	30.5	30.5	4,343,970	0
3/26/97	22.9	22.9	4,376,880	0
3/27/97	17.6	17.6	4,402,270	0
3/28/97	18.5	18.5	4,428,930	0
3/29/97	18.5	18.5	4,455,590	0
3/30/97	16.7	16.7	4,479,700	0
3/31/97	27.1	27.1	4,518,710	0
Average:	24.3	24.3		0.0
Total ⁽²⁾ :			1,050,480	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
3/1/97	0	0	0	0	0	17	0	26	0	0	43.2
3/2/97	3.4	0	0	0	0	34	0	26	0	0	63.6
3/3/97	1.7	0	0	0	0	26	0	43	0	0	70.7
3/4/97	1.7	0	1.7	0	0	28	0	36	0	0	67.4
3/5/97	1.7	1.7	0	0	0	26	0	26	0	0	55.0
3/6/97	1.7	0	0	0	0	23	0	33	0	0	57.4
3/7/97	0	0	3.4	0	0	21	0	45	0	0	69.1
3/8/97	1.7	1.7	0	0	0	31	0	41	0	1.7	77.2
3/9/97	1.7	1.7	0	0	1.7	17	0	24	0	1.7	48.2
3/10/97	1.7	1.7	0	0	1.7	21	0	28	0	1.7	55.9
3/11/97	0	1.7	0	0	1.7	24	0	41	0	1.7	70.5
3/12/97	0	0	0	0	1.7	19	0	26	0	1.7	48.4
3/13/97	0	0	0	0	0	24	0	28	0	1.7	53.8
3/14/97	1.7	0	0	0	1.7	29	0	43	0	1.7	77.2
3/15/97	0	3.4	0	0	1.7	24	0	24	0	1.7	55.0
3/16/97	0	1.7	0	0	1.7	28	0	28	0	3.4	62.9
3/17/97	0	5.2	0	0	1.7	34	0	59	0	1.7	102
3/18/97	1.7	3.4	0	0	0	17	0	45	0	1.7	68.9
3/19/97	0	1.7	0	0	0	26	0	26	0	0	53.7
3/20/97	0	0	0.0	0	1.7	24	0	50	0	3.4	79.1
3/21/97	0	3.4	0	0	3.4	26	0	36	0	3.4	72.2
3/22/97	0	1.7	0	0	1.7	28	0	54	0	1.7	87.2
3/23/97	1.7	0	0	0	0	24	0	24	0	3.4	53.3
3/24/97	1.7	0	0	0	0	28	0	28	0	3.4	60.7
3/25/97	1.7	1.7	0	0	0	19	0	24	0	6.9	53.3
3/26/97	1.7	0	1.7	0	0	21	0	28	0	5.2	56.7
3/27/97	1.7	0	0	0	0	12	0	24	0	5.2	43.0
3/28/97	1.7	1.7	0	0	0	19	0	28	0	6.9	56.7
3/29/97	1.7	0	0	0	0	14	0	41	0	6.9	63.6
3/30/97	1.7	1.7	0	0	0	9	0	21	0	3.4	36.1
3/31/97	1.7	0	0	0	0	10	0	22	0	9.0	43.0
Total	34.4	34.4	6.9	0.0	20.6	703	0.0	1026	0.0	79.5	1905

TABLE 4

Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	January 31, 1997		February 26, 1997		March 31 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	Frozen	----	Frozen	----	Frozen
PW02	----	Frozen	----	Frozen	----	Frozen
PW03	----	Frozen	----	Frozen	----	1163.25
PW3S	----	Frozen	----	Frozen	----	1160.71
PW04	0.90	1154.80	----	1155.70	0.30	1156.20
PW05	1.50	1153.33	----	1155.13	0.20	1156.03
PW06	----	Frozen	----	Frozen	----	Frozen
PW07	0.70	1154.20	----	1154.85	0.04	1153.65
PW08	0.10	1160.97	----	Frozen	----	1161.47
PW9I	----	1167.58	----	1167.38	----	1167.58
PW9O	----	1161.64	----	1161.54	----	1161.92
PW10	0.90	1158.66	----	1159.06	0.26	1159.51
PW11	0.30	1159.45	0.20	1158.85	0.05	1159.60
PW12	----	1162.71	----	1162.56	----	1162.86
PW13	0.90	1158.50	----	1158.30	0.20	1158.80
PW14	----	1161.57	----	Frozen	----	1161.87
PW15	----	1157.21	----	1155.91	0.05	1157.36
PW16	0.40	1158.68	----	1158.18	0.25	1158.88
P01	0.52	1160.99	0.54	1160.77	0.42	1161.32
OW01	----	Frozen	----	Frozen	----	Frozen
W01A	----	1163.03	----	1162.92	----	1163.18
W01B	----	1163.03	----	1162.96	----	1163.12
W02	----	1162.24	----	1161.95	----	1162.70
W03A	----	1161.24	----	1161.02	----	1160.74
W03B	----	1161.54	----	1161.39	----	1161.93
W04A	0.67	1161.29	0.69	1161.14	0.80	1161.51
W04B	0.30	1161.64	0.31	1161.47	0.20	1161.93
W05	0.70	1160.98	0.73	1160.53	0.48	1161.18
W06R	0.15	1162.78	0.20	1162.63	0.12	1162.92
W07	----	Frozen	----	Frozen	----	Frozen
W08	----	Frozen	----	Frozen	----	1173.30
W09	----	1162.07	----	1162.07	----	1163.92
W10A	----	1161.25	----	1161.12	----	1163.22
W10B	----	1161.20	----	1161.08	----	1162.84
W11	----	Frozen	----	1160.89	----	1161.94
W12	----	1160.50	----	1160.49	----	1161.23
W13	----	1161.57	----	1161.38	----	1163.61
W14	----	1159.50	----	1159.53	----	1160.04
W16	----	1161.50	----	1161.43	----	1162.60
W17	0.36	1161.04	0.52	1160.70	----	1162.22
W18	----	1161.34	----	1161.19	----	1164.07
W19	----	1162.69	----	1162.18	----	1163.45

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	January 31, 1997		February 26, 1997		March 31 1997	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	Frozen	----	Frozen	----	1162.15
W22	----	1161.23	----	1161.07	----	1161.60
W23	----	Frozen	----	Frozen	----	1161.25
W24A	----	1160.65	----	1160.64	----	1161.20
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1161.05	----	1161.00	----	1162.20
W27	----	Frozen	----	Frozen	----	1162.27
W28	----	1161.41	----	1161.25	----	1164.54
W29	----	1161.05	----	1160.98	----	1162.86
W30	1.08	1160.40	1.20	1160.07	0.77	1160.90
W31	----	1161.08	----	1161.05	----	1163.10
W32	----	1161.10	----	1161.05	----	1163.18
W33	----	Frozen	----	Frozen	----	Frozen
W34	0.23	1158.11	0.27	1157.87	0.10	1158.45
W35	0.75	1160.84	0.28	1160.92	0.40	1161.44
W36	0.07	1161.66	0.04	1161.46	----	1161.81
W39	----	Frozen	----	Frozen	----	1162.29
W40	----	Frozen	----	Frozen	----	1158.29
W41	----	Frozen	----	Frozen	----	Frozen
W42	0.07	1162.20	0.06	1162.08	0.10	1162.62
W44	----	1161.51	0.08	1161.31	0.04	1161.79
W45	0.20	1161.37	0.21	1161.14	----	1161.75
W46	0.75	1160.75	0.77	1160.47	0.59	1161.03
W47	1.92	1155.76	2.18	1155.21	1.62	1156.28
W48	0.52	1157.58	0.46	1157.40	0.38	1158.08
W49	0.87	1157.39	0.76	1157.24	0.09	1158.41
W66	----	1162.82	----	1162.72	----	1163.01
W67	----	1162.78	----	1162.66	----	1162.97
W68A	0.06	1162.76	0.13	1162.58	----	1163.20
W68B	----	1162.77	----	1162.60	----	1162.96
W69	0.49	1161.35	0.25	1161.35	0.30	1161.80
W70B	----	1163.27	----	1162.87	----	1163.32
River	----	Frozen	----	Frozen	----	1162.74

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

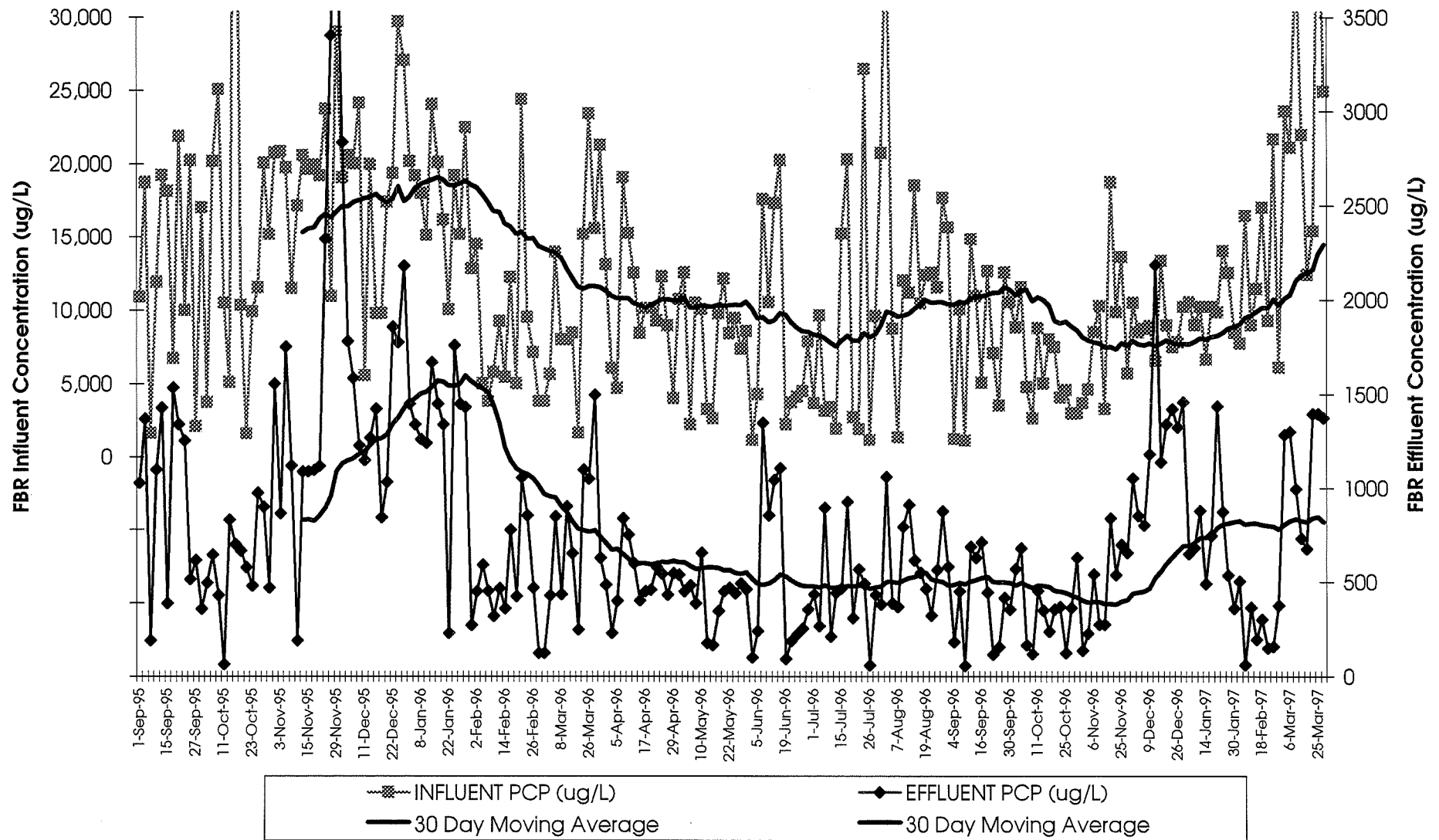
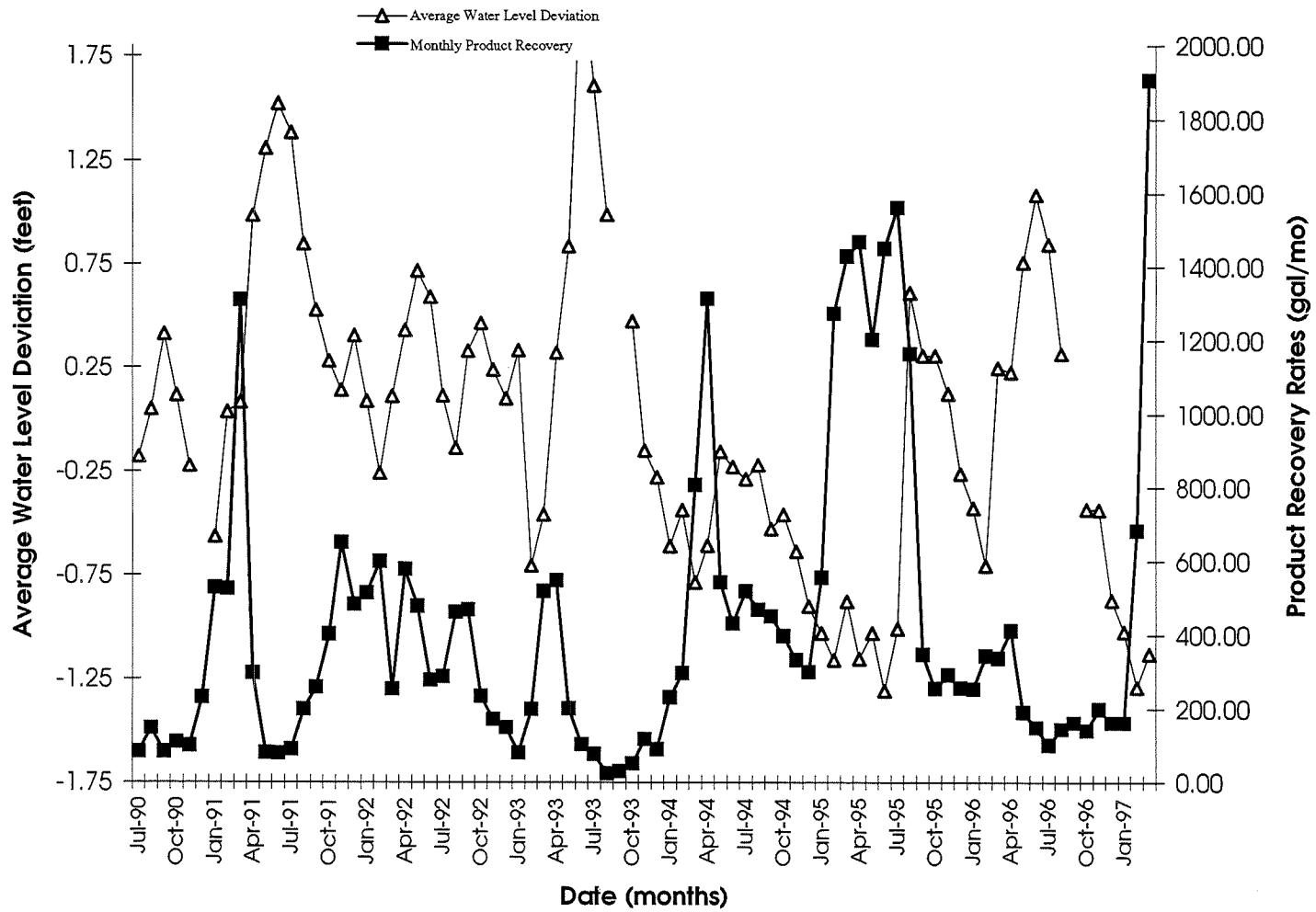


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

02-37-000006 4/10/97

April 6, 1998

Ms. Lisa Gutkinecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, Wisconsin 54401

RECEIVED
APR 10 1997
WAUSAU DNR

Re: February Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Ms. Gutkinecht:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the February Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. The report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Senior Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: Monthly Report

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Friebance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

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**WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
FEBRUARY 1998**

SUMMARY OF FEBRUARY 1998 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, indicated PCP concentrations were above the permit level of 10 ug/L on February 2nd and 3rd due to breakthrough in the carbon polishing units. The carbon in the polishing units was replaced as soon as the data indicated the breakthrough. PCP concentrations were below 10 ug/L after February 4th and for the remainder of the month. The result for a laboratory sample collected on February 11, 1998, confirmed that the effluent PCP concentration was less than 10 ug/L.

PCP influent concentrations ranged from 10,947 ug/L to 29,517 ug/L during February 1998 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. Total treatment efficiency with the fixed film reactor (FFR) (before the polishing units) was 80% to 95% during February 1998. Total treatment efficiency continues to be greater than 99%. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW are shown in Table 2 for the reporting period.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Total product recovery for February was 1,762 gal compared to 1,411 gal removed in January. Most of the increase in product recovery occurred at wells PW4 and PW11.

Groundwater Monitoring

Groundwater elevation and product thickness data for December, January and February are summarized in Table 4.

JDD/DJB
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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	11-Feb-98	18	13			13
Chemical Oxygen Demand	mg/L	11-Feb-98	48	32			0
Chloride	mg/L	11-Feb-98	141	154			139
Dissolved Oxygen	mg/L	2-Feb-98	7.6	3.3	6	4.2	0.5
		5-Feb-98	7.2	3	5.3	3.5	0.3
		9-Feb-98	8.7	4.3	6.5	4.5	0.3
		12-Feb-98	8.8	4.4	6.7	4.8	0.4
		16-Feb-98	8.6	4.2	6.5	4.2	0.4
		18-Feb-98	7.4	2.6	5.7	3.8	0.4
		26-Feb-98	6.5	2	4.5	2.8	0.4
Nitrogen, Ammonia	mg/L	2-Feb-98	4	0	4	4	
		5-Feb-98	4	0.5	4	3	
		9-Feb-98	4	0	4	4	
		12-Feb-98	4	0	4	4	
		16-Feb-98	4	0	4	3	
		18-Feb-98	4	0	4	3	
		26-Feb-98	3	2	5	5	
Nitrogen, Nitrate	mg/L	2-Feb-98	0	0		0	
		5-Feb-98	0	0.3		0.3	
		9-Feb-98	0	0		0	
		12-Feb-98	0	0		0	
		16-Feb-98	0	0		0	
		18-Feb-98	0	0		0	
		26-Feb-98	0	0		0	
Nitrogen, Nitrate + Nitrite	mg/L	11-Feb-98	0.53	1.56			0
Nitrogen, Total Kjeldahl	mg/L	11-Feb-98	4.18	1.9			4.37
pH	S.U.	2-Feb-98	6.7	6.6		6.8	6.9
		5-Feb-98	6.4	6.4		6.7	6.9
		9-Feb-98	6.6	6.6		6.7	7.1
		12-Feb-98	6.5	6.6		6.9	7.2
		16-Feb-98	6.5	6.6		6.8	7
		18-Feb-98	6.6	6.7		6.9	6.8
		26-Feb-98	6.4	6.7		6.8	6.6
Pentachlorophenol-Screen	ug/L	1-Feb-98					6

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>FFR Influent</u>	<u>FFR Effluent</u>	<u>System Effluent</u>
		2-Feb-98	23200	2573		3027	20
		3-Feb-98					15
		4-Feb-98					9
		5-Feb-98	29517	2892		2792	6
		6-Feb-98					5
		7-Feb-98					2
		8-Feb-98					2
		9-Feb-98	15642	1248		1056	1
		10-Feb-98					0
		11-Feb-98					0
		12-Feb-98	15439	737		1586	0
		13-Feb-98					0
		14-Feb-98					0
		15-Feb-98					0
		16-Feb-98	18469	987		1004	0
		17-Feb-98					0
		18-Feb-98	10947	1614		2229	0
		19-Feb-98					0
		20-Feb-98					0
		21-Feb-98					4
		22-Feb-98					4
		23-Feb-98					4
		24-Feb-98					3
		25-Feb-98					1
		26-Feb-98	22939	3032		1484	0
		27-Feb-98					0
		28-Feb-98					0
Phosphorus, Ortho	mg/L	11-Feb-98	0.44	0.23			0.28
Phosphorus, Phosphate	mg/L	2-Feb-98	2	1		1	
		5-Feb-98	2	1		0	
		9-Feb-98	1	0.5		0.5	
		12-Feb-98	1	0.5		0.5	
		16-Feb-98	1	0.5		0.5	
		18-Feb-98	1.5	0.5		1	
		26-Feb-98	1	0.5		0.5	
Solids, Total Suspended	mg/L	11-Feb-98	5	13		17	0

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR</u> <u>Influent</u>	<u>FBR</u> <u>Effluent</u>	<u>FFR</u> <u>Influent</u>	<u>FFR</u> <u>Effluent</u>	<u>System</u> <u>Effluent</u>
Phenols							
2,3,4,6-Tetrachlorophenol	ug/L	11-Feb-98	0	0		0	0
2,4,5-Trichlorophenol	ug/L	11-Feb-98	0	0		0	0
2,4,6-Trichlorophenol	ug/L	11-Feb-98	0	0		0	0
2,4-Dichlorophenol	ug/L	11-Feb-98	0	0		30	0
2,4-Dimethylphenol	ug/L	11-Feb-98	0	0		0	0
2,4-Dinitrophenol	ug/L	11-Feb-98	0	0		0	0
2,6-Dichlorophenol	ug/L	11-Feb-98	0	0		0	0
2-Chlorophenol	ug/L	11-Feb-98	0	0		0	0
2-Methylphenol	ug/L	11-Feb-98	0	0		0	0
2-Nitrophenol	ug/L	11-Feb-98	0	0		0	0
3&4-Methylphenol	ug/L	11-Feb-98	0	0		0	0
4,6-Dinitro-2-Methylphenol	ug/L	11-Feb-98	0	0		30	0
4-Chloro-3-Methylphenol	ug/L	11-Feb-98	0	0		0	0
4-Nitrophenol	ug/L	11-Feb-98	0	0		0	0
Pentachlorophenol	ug/L	11-Feb-98	5400	120		150	3.9
Phenol	ug/L	11-Feb-98	0	0		0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	Influent Groundwater Flow Rate ⁽¹⁾ (gpm)	POTW Discharge Flow Rate ⁽¹⁾ (gpm)	POTW Totalized Discharge (gal)	Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)
2/1/98	21.91	21.47	4,985,660	0
2/2/98	21.91	21.47	5,016,580	0
2/3/98	21.91	21.47	5,047,500	0
2/4/98	21.99	23.01	5,080,640	0
2/5/98	21.21	21.37	5,111,410	0
2/6/98	20.83	21.81	5,142,810	0
2/7/98	20.83	21.81	5,174,210	0
2/8/98	20.83	21.81	5,205,610	0
2/9/98	21.74	22.21	5,237,590	0
2/10/98	21.74	22.21	5,269,570	0
2/11/98	20.48	19.99	5,298,360	0
2/12/98	21.33	22.33	5,330,520	0
2/13/98	20.56	20.77	5,360,430	0
2/14/98	20.56	20.77	5,390,340	0
2/15/98	20.56	20.77	5,420,250	0
2/16/98	22.58	23.22	5,453,680	0
2/17/98	21.34	20.89	5,483,760	0
2/18/98	20.64	20.72	5,513,590	0
2/19/98	20.64	20.72	5,543,420	0
2/20/98	13.65	13.88	5,563,410	0
2/21/98	14.83	18.47	5,590,000	0
2/22/98	20.91	20.83	5,620,000	0
2/23/98	23.26	24.61	5,655,440	0
2/24/98	21.13	21.15	5,685,890	0
2/25/98	20.00	20.73	5,715,740	0
2/26/98	20.63	20.64	5,745,460	0
2/27/98	19.66	20.32	5,774,720	0
2/28/98	19.66	20.32	5,803,980	0
Average:	20.6	21.1		0
Total ⁽²⁾ :			818,320	

Footnotes:

- (1) Influent, POTW, and Seepage Bed flow rates are daily averages.
(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3

**Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin**

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
2/1/98	1.7	3.4	0	0	3.4	26	0	23	0	1.7	59.20
2/2/98	1.72	1.72	0	0	1.72	28	0	24.08	0	1.72	58.96
2/3/98	1.72	1.72	0	0	1.72	24.08	0	28	0	1.7	58.94
2/4/98	1.72	3.44	0	0	3.4	28	0	20.64	0	1.72	58.92
2/5/98	1.7	3.44	1.72	0	3.44	22	0	22	0	1.72	56.02
2/6/98	3.44	3.44	0	0	0	24	0	24.08	0	0	54.96
2/7/98	1.72	3.44	0	0	0	26	0	25.8	0	1.72	58.68
2/8/98	1.72	3.4	0	0	1.72	26	0	24	0	0	56.84
2/9/98	1.72	6.88	0	0	1.72	26	0	25.8	0	1.72	63.84
2/10/98	3.44	5.16	1.7	0	1.72	26	0	26	0	0	64.02
2/11/98	3.44	3.44	0	0	1.72	26	0	24	0	1.72	60.32
2/12/98	3.44	3.44	0	0	1.72	26	0	24.08	0	0	58.68
2/13/98	1.72	3.44	0	0	1.72	26	0	25.8	0	1.72	60.40
2/14/98	1.72	3.44	0	0	1.72	26	0	26	0	0	58.88
2/15/98	1.72	3.44	0	0	1.72	26	0	28	0	1.72	62.60
2/16/98	0	5.16	0	0	1.72	26	0	27.52	0	0	60.40
2/17/98	1.72	3.44	0	0	1.72	26	0	25	0	1.72	59.60
2/18/98	3.44	5.6	0	0	0	28	0	25	0	1.72	63.76
2/19/98	3.44	5.16	0	0	0	25.8	0	25.8	0	1.72	61.92
2/20/98	1.72	5.16	0	0	1.72	24.08	0	3.44	0	1.72	37.84
2/21/98	1.72	3.44	0	0	0	26	0	0	0	1.72	32.88
2/22/98	1.72	1.72	0	0	0	43	0	0	0	1.72	48.16
2/23/98	3.44	3.44	0	0	0	51	0	10.32	0	1.72	69.92
2/24/98	5.16	3.44	0	0	1.72	52	0	13.76	0	1.72	77.80
2/25/98	6.9	5.16	0	0	0	53	0	16	0	5.16	86.22
2/26/98	3.44	1.72	0	0	0	60	0	24	0	1.72	90.88
2/27/98	3.44	0	0	0	1.72	59	0	22	0	5.16	91.32
2/28/98	3.44	0	1.72	0	0	57	0	24.08	0	3.44	89.68
Total	72.22	96.68	5.14	0	36.04	916.96	0	588.2	0	46.4	1761.64

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	December 30 1997		January 30 1998		February 27 1998	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.66	----	1160.65	----	1160.93
W22	----	1160.77	----	1160.64	----	1160.92
W23	----	1160.54	----	1160.52	----	1160.79
W24A	----	1160.48	----	1160.54	----	1160.74
W25	----	1162.55	----	1162.18	----	1162.31
W26	----	1160.77	----	1160.78	----	1161.08
W27	----	1160.99	----	1160.91	----	1161.32
W28	----	1160.99	----	1160.82	----	1161.15
W29	----	1160.80	----	1160.75	----	1161.02
W30	1.00	1160.04	1.24	1159.67	1.11	1160.06
W31	----	1160.82	----	1160.74	----	1160.93
W32	----	1160.83	----	1160.71	----	1160.91
W33	0.05	1161.29	----	Frozen	----	Frozen
W34	0.32	1157.71	0.28	1157.62	0.30	1157.82
W35	0.30	1160.74	0.50	1160.44	0.86	1160.38
W36	----	1161.82	----	1161.29	----	1161.56
W39	----	1161.37	----	Frozen	----	Frozen
W40	----	Frozen	----	Frozen	----	Frozen
W41	----	1161.51	----	Frozen	----	Frozen
W42	0.05	1161.87	0.10	1161.52	0.03	1161.73
W44	0.07	1161.18	0.50	1160.48	0.68	1160.75
W45	0.15	1161.08	----	1161.01	0.02	1160.79
W46	0.85	1160.32	0.90	1160.02	0.82	1160.41
W47	1.80	1155.19	2.55	1154.29	2.59	1154.66
W48	0.45	1157.28	----	Frozen	0.35	1157.50
W49	0.58	1157.28	0.45	1157.21	0.55	1157.43
W66	----	1162.48	----	1162.01	----	1162.12
W67	----	1162.45	----	1161.81	----	1162.09
W68A	0.32	1162.13	0.37	1161.73	0.40	1161.74
W68B	----	1162.39	----	1161.94	----	1162.07
W69	0.50	1161.00	0.70	1160.60	0.63	1160.92
W70B	----	1162.17	----	1161.87	----	1162.04
River	----	Frozen	----	Frozen	----	Frozen

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	December 30 1997		January 30 1998		February 27 1998	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1162.15	----	Frozen	0.07	1161.93
PW02	----	1162.10	----	Frozen	----	1161.94
PW03	----	1162.45	----	Frozen	----	1161.86
PW3S	0.40	1159.71	0.58	1159.36	0.59	1159.62
PW04	0.25	1155.90	0.60	1154.85	0.60	1155.70
PW05	1.00	1154.53	0.10	1154.53	0.70	1155.03
PW06	0.30	1161.29	----	Frozen	0.44	1161.21
PW07	0.30	1153.80	0.90	1154.20	0.60	1154.40
PW08	0.03	1160.49	0.20	1159.97	0.29	1159.97
PW9I	----	1160.98	----	1160.58	----	1160.78
PW9O	0.05	1161.24	----	1160.94	----	1161.24
PW10	1.40	1156.86	----	1157.91	0.70	1158.36
PW11	0.35	1157.10	0.20	1156.05	1.25	1156.05
PW12	0.85	1161.76	0.60	1160.91	0.55	1162.06
PW13	0.80	1157.30	0.90	1157.20	0.04	1158.51
PW14	0.04	1161.08	----	Frozen	0.04	1161.20
PW15	0.03	1157.21	0.40	1157.41	1.00	1158.66
PW16	0.03	1158.40	0.45	1158.03	2.10	1157.38
P01	0.35	1160.76	0.44	1160.46	0.63	1160.62
OW01	----	1162.45	----	1162.08	----	1162.16
W01A	----	1162.58	----	1162.18	----	1162.29
W01B	----	1162.59	----	1162.19	----	1162.28
W02	----	1162.01	----	1161.56	----	1161.73
W03A	0.40	1160.39	0.55	1160.19	0.71	1160.37
W03B	----	1161.19	----	1160.99	----	1161.31
W04A	0.55	1161.06	0.50	1161.01	0.49	1161.19
W04B	0.20	1161.38	0.17	1161.31	0.29	1161.34
W05	0.40	1160.68	0.50	1160.38	0.63	1160.61
W06R	0.25	1162.29	0.25	1161.87	0.36	1161.87
W07	----	1162.20	----	Frozen	0.04	1161.94
W08	----	1170.72	----	1169.54	----	1169.14
W09	----	1161.90	----	1161.49	----	1162.08
W10A	----	1160.89	----	1160.81	----	1161.11
W10B	----	1160.87	----	1160.80	----	1160.85
W11	----	1160.70	----	1160.69	----	1161.05
W12	----	1160.34	----	1160.34	----	1160.63
W13	----	1161.07	----	1161.00	----	1161.49
W14	----	1159.40	----	1159.38	----	1159.61
W16	----	1161.23	----	1161.18	----	1161.58
W17	0.32	1160.60	0.31	1160.41	0.35	1160.81
W18	----	1160.95	----	1160.81	----	1161.09
W19	----	1161.95	----	1161.62	----	1161.52

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

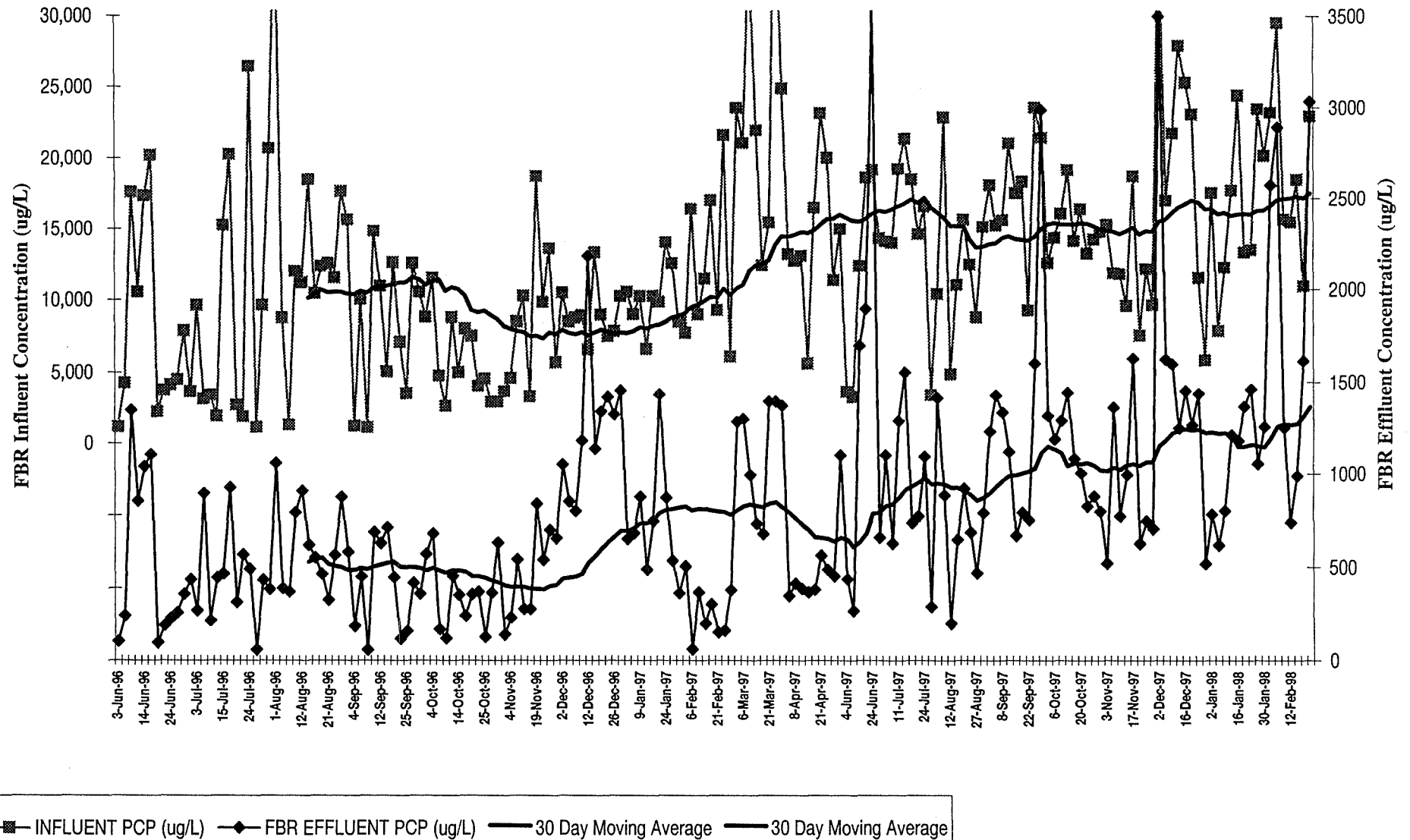
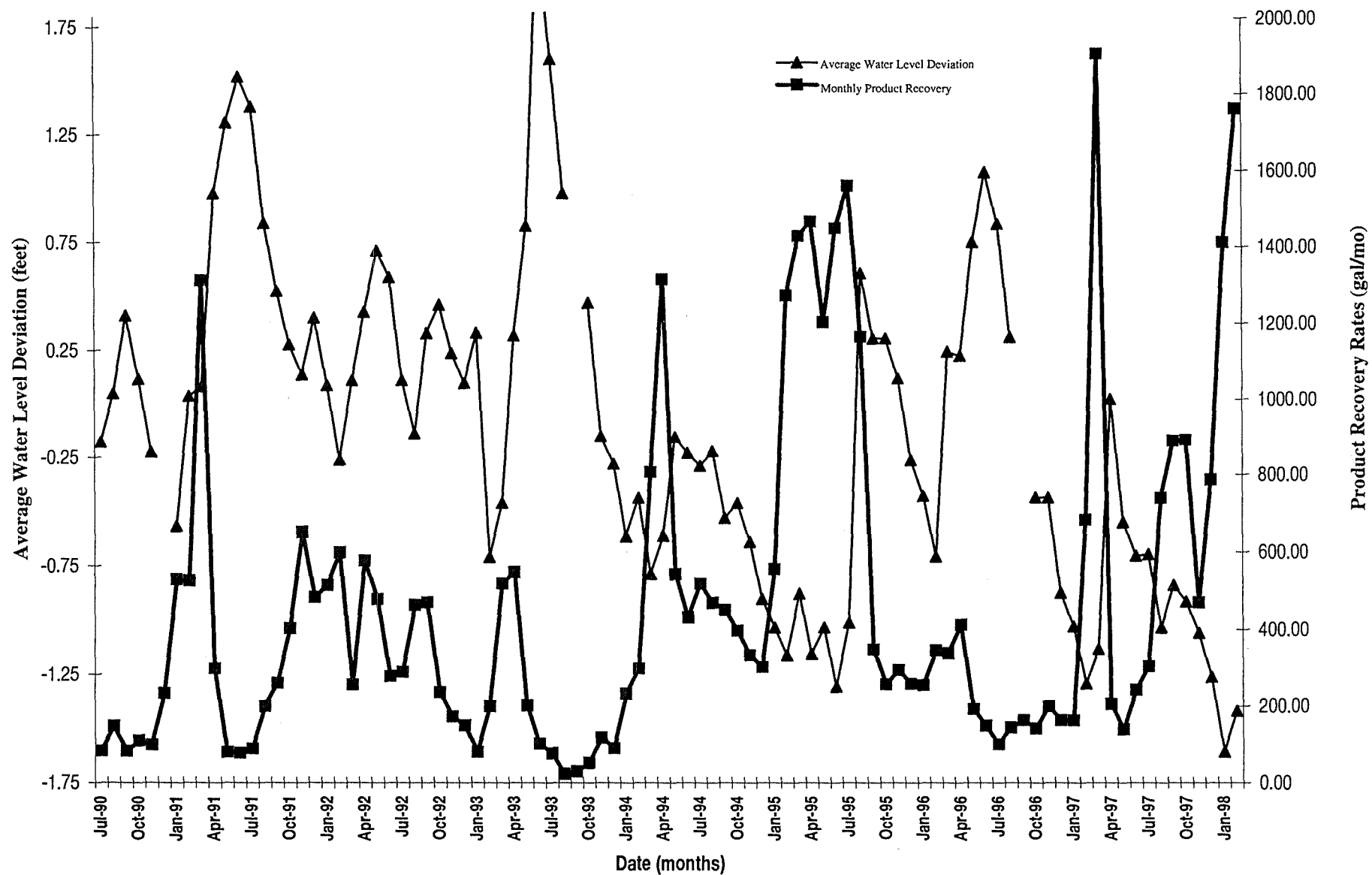


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





MONTGOMERY WATSON

02 37 000006

2/28/97

FEB 28 1997

February 10, 1997

Mr. Gary Kulibert
Wisconsin Department of Natural Resources
North Central District Headquarters
P.O. Box 818
Rhinelander, Wisconsin 54501

Re: December Progress Report
WAULECO, Inc.
Wausau, Wisconsin
Administrative Order No. NCD-91-04

Dear Mr. Kulibert:

On behalf of WAULECO, Montgomery Watson is submitting two copies (enclosed) of the December Progress Report for the WAULECO, Inc. site in Wausau, Wisconsin. This report is submitted in fulfillment of Paragraph 41 of Administrative Order No. NCD-91-04.

If you have any questions or comments regarding this information, please call.

Sincerely,

MONTGOMERY WATSON

John D. Dadisman
Environmental Chemist

Douglas J. Bach, P.E.
Project Manager

Enclosures: As Stated

cc: Director Remediation and Redevelopment - WDNR (Central, Madison, WI) (w/1 encl.)
Wastewater Engineer - WDNR (Wausau, WI) (w/1 encl.)
J. Gehin - Wausau Utilities Director (w/1 encl.)
C. Fribance (w/1 encl.)
R. Kammer (w/1 encl.)
P. Peshek (w/1 encl.)

JMR/djh/JDD/DJB
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1242057.0309.0040-MD

WAULECO INCORPORATED
WAUSAU, WISCONSIN
MONTHLY REPORT
DECEMBER 1996

SUMMARY OF DECEMBER 1996 ACTIVITIES

Groundwater Extraction and Treatment System Operation

Treatment system performance data for this reporting period are summarized in Table 1. PCP screening (on-site gas chromatograph) results for the system effluent samples, which represent the discharge water to the municipal sewer, indicate PCP concentrations were below the permit level of 10 ug/L during the reporting period. The result for a laboratory sample collected on December 23 confirmed that the effluent PCP concentration was less than 10 ug/L. A duplicate effluent sample collected on this date indicated a PCP concentration of 21 ug/L. The cause of the elevated result in the duplicate sample is uncertain. Given the similarity of the phenol results from the duplicate analysis to the sample collected from the effluent of granular activated carbon (GAC) Filter 8, the duplicate sample may have mistakenly been collected at this location. There are a pair of GAC filters in parallel after Filter 8, making it unlikely that the water quality would be nearly unchanged between Filter 8 and the final effluent. The GAC was replaced in Filters 7 and 8 on December 19 and 20, which would improve the PCP removal efficiency of the system. The validity of the elevated result for the duplicate effluent sample is also in doubt based on the consistency of screening data for that time period.

PCP influent concentrations ranged from 6,579 ug/L to 13,333 ug/L during December 1996 (Table 1). PCP influent and effluent concentrations in the FBR are presented graphically both as individual data points and as a 30-day moving average in Figure 1. As shown in Figure 1, FBR influent concentrations remained steady and the FBR effluent concentrations increased dramatically during this reporting period. Treatment efficiency within the FBR averaged 85%, which is below the normally observed treatment efficiency of 95% or better. The reduced efficiency was attributed to reduced adsorptive capacity of the activated carbon, which had reached the end of its useful service period (22 months since last change-out). The reduced adsorptive capacity also hindered the re-establishment of the microbiologic culture following the system shut-down during pump replacement in November. The carbon in the FBR was replaced and the reactor was reseeded on January 7 to improve the performance of the FBR. Daily groundwater flow through the treatment system and discharge to the City of Wausau POTW is shown in Table 2 for the reporting period.

As mentioned in the November report, the system was shut down on November 30 by site security personnel after they observed water beneath the FBR recycle pump. On December 2, the problem was diagnosed as a faulty pump seal. The system was restarted, and the leaking water was collected and returned to the system until the pump was replaced.

We are continuing to coordinate efforts with the City of Wausau POTW to address potential infiltration into the sanitary sewer system in the vicinity of the Wauleco property. During December, 12 WECO seals were installed at points of suspected infiltration in the sewer lines downgradient of the site. We are working with the City to collect samples from the sewer system to evaluate the effectiveness of the seals at reducing infiltration.

Product Recovery

Product recovery data for the reporting period are presented in Table 3. Historic product recovery (since July 1990) compared to average water level deviation is presented in Figure 2. Average water levels and total product recovery decreased slightly during December. Product recovery for December was 162 gal compared to 198 gal recovered during November. The product recovery decreased at wells PW5, PW7, PW11, and PW16 and increased at wells PW4, PW10 and PW13.

Groundwater Monitoring

Groundwater elevation and product thickness data for October, November, and December are summarized in Table 4.

Phase II Air Sparge/Soil Vapor Extraction (AS/SVE) Pilot Study

The Phase II AS/SVE pilot study system was shut down on July 21 to conduct a respirometry test to evaluate the biodegradation kinetics. Soil samples were collected in the pilot test area during the week of August 19th to evaluate the effectiveness of the system after one year of operation. Results of the respirometry test, soil analyses, and groundwater data were evaluated to determine the future potential of this technology for use at the site. The evaluation results will be presented at the next annual meeting with the WDNR.

JMR/djh/JDD/DJB
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TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Biological Oxygen Demand	mg/L	23-DEC-96	22	22	0
Chemical Oxygen Demand	mg/L	06-DEC-96	60	25	0
		23-DEC-96	60	158	12
Chloride	mg/L	23-DEC-96	126	132	128
Dissolved Oxygen	mg/L	02-DEC-96	8	5.4	1.3
		04-DEC-96	8.6	5.3	1.3
		06-DEC-96	8.2	5.1	0.9
		09-DEC-96	10.4	7.8	1
		12-DEC-96	10.8	8	1.5
		16-DEC-96	9.9	6.4	3.2
		19-DEC-96	8.5	6.5	2
		23-DEC-96	9.8	6.8	1.2
		26-DEC-96	9.2	6.9	1
		30-DEC-96	8.8	6.8	1
Nitrate + Nitrite Nitrogen	mg/L	23-DEC-96	0.21	1.8	1.9
Nitrogen, Ammonia	mg/L	02-DEC-96	3	0	
		04-DEC-96	4	1	
		06-DEC-96	4	0	
		09-DEC-96	4	0	
		12-DEC-96	3	0	
		16-DEC-96	4	0	
		19-DEC-96	4	0	
		23-DEC-96	4	1	
		26-DEC-96	4	1	
		30-DEC-96	4	0	
Nitrogen, Nitrate	mg/L	02-DEC-96	0.3	2	
		04-DEC-96	0.3	2	
		06-DEC-96	0.3	3	
		09-DEC-96	0	0	
		12-DEC-96	0	1	
		16-DEC-96	0	1.5	
		19-DEC-96	0	1.5	
		23-DEC-96	0	0	
		26-DEC-96	0	0	
		30-DEC-96	0	1	
Nitrogen, Total Kjeldahl	mg/L	23-DEC-96	4.25	2.93	1.28

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Pentachlorophenol-Screen	ug/L	01-DEC-96			3
		02-DEC-96	10500	1050	2
		03-DEC-96			2
		04-DEC-96	8500	850	3
		05-DEC-96			3
		06-DEC-96	8745	800	2
		07-DEC-96			3
		08-DEC-96			3
		09-DEC-96	8921	1180	7
		10-DEC-96			6
		11-DEC-96			9
		12-DEC-96	6579	2182	9
		13-DEC-96			3
		14-DEC-96			4
		15-DEC-96			4
		16-DEC-96	13333	1137	6
		17-DEC-96			6
		18-DEC-96			7
		19-DEC-96	8954	1341	4
		20-DEC-96			3
		21-DEC-96			2
		22-DEC-96			2
		23-DEC-96	7500	1421	3
		24-DEC-96			1
		25-DEC-96			1
		26-DEC-96	7825	1325	2
		27-DEC-96			1
		28-DEC-96			2
		29-DEC-96			2
		30-DEC-96	10256	1456	2
		31-DEC-96			1
pH	S.U.	02-DEC-96	6.5	6.4	6.7
		04-DEC-96	6.6	6.6	6.7
		06-DEC-96	6.6	6.7	6.8
		09-DEC-96	6.2	6.5	6.6
		12-DEC-96	6.2	6.5	6.6
		16-DEC-96	6.4	6.5	6.6
		19-DEC-96	6.4	6.5	6.5
		23-DEC-96	6.4	6.6	6.6
Phosphorus, Ortho	mg/L	26-DEC-96	6.4	6.5	6.6
		30-DEC-96	6.4	6.5	6.6
		23-DEC-96	1.3	1.53	1.09

TABLE 1
Above Ground Treatment System Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Parameter</u>	<u>UNIT</u>	<u>DATE</u>	<u>FBR Influent</u>	<u>FBR Effluent</u>	<u>System Effluent</u>
Phosphorus, Phosphate	mg/L	02-DEC-96	2	2	
		04-DEC-96	2	3	
		06-DEC-96	2	2	
		09-DEC-96	3	0	
		12-DEC-96	3	3	
		16-DEC-96	4	2	
		19-DEC-96	4	2	
		23-DEC-96	3	3	
		26-DEC-96	3	3	
		30-DEC-96	2	3	
Solids, Total Suspended	mg/L	23-DEC-96	13	113	0
2,3,4,6-Tetrachlorophenol	ug/L	23-DEC-96	1790	629	2.8
2,4,5-Trichlorophenol	ug/L	23-DEC-96	31	0	0
2,4,6-Trichlorophenol	ug/L	23-DEC-96	0	0	0
2,4-Dichlorophenol	ug/L	23-DEC-96	0	0	0
2,4-Dimethylphenol	ug/L	23-DEC-96	0	0	0
2,4-Dinitrophenol	ug/L	23-DEC-96	0	0	0
2,6-Dichlorophenol	ug/L	23-DEC-96	0	0	0
2-Chlorophenol	ug/L	23-DEC-96	0	0	0
2-Methylphenol	ug/L	23-DEC-96	0	12	0
2-Nitrophenol	ug/L	23-DEC-96	19	2.6	0
3&4-Methylphenol	ug/L	23-DEC-96	15	3.6	0
4,6-Dinitro-2-methylphenol	ug/L	23-DEC-96	0	0	0
4-Chloro-3-methylphenol	ug/L	23-DEC-96	0	0	0
4-Nitrophenol	ug/L	23-DEC-96	12	0	0
Dinoseb	ug/L	23-DEC-96	0	0	0
Pentachlorophenol	ug/L	23-DEC-96	8960	2530	8.3
Phenol	ug/L	23-DEC-96	0	0	0

TABLE 2
Treatment System Flows
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>Influent Groundwater Flow Rate ⁽¹⁾ (gpm)</u>	<u>POTW Discharge Flow Rate ⁽¹⁾ (gpm)</u>	<u>POTW Totalized Discharge (gal)</u>	<u>Seepage Bed Discharge Flow Rate ⁽¹⁾ (gpm)</u>
12/1/96	0	0	710,000	0
12/2/96	6.94	6.94	720,000	0
12/3/96	24.31	24.31	755,000	0
12/4/96	20.83	20.83	785,000	0
12/5/96	24.31	24.31	820,000	0
12/6/96	28.78	28.78	861,440	0
12/7/96	24.44	24.44	896,630	0
12/8/96	24.44	24.44	931,820	0
12/9/96	24.67	24.67	967,350	0
12/10/96	23.19	23.19	1,000,740	0
12/11/96	28.35	28.35	1,041,560	0
12/12/96	25.27	25.27	1,077,950	0
12/13/96	25.27	25.27	1,114,340	0
12/14/96	25.27	25.27	1,150,730	0
12/15/96	25.27	25.27	1,187,120	0
12/16/96	25.27	25.27	1,223,510	0
12/17/96	13.17	13.17	1,242,470	0
12/18/96	20.35	20.35	1,271,780	0
12/19/96	23.19	23.19	1,305,170	0
12/20/96	11.2	11.2	1,321,300	0
12/21/96	19.93	19.93	1,350,000	0
12/22/96	27.17	27.17	1,389,120	0
12/23/96	24.92	24.92	1,425,000	0
12/24/96	16.26	16.26	1,448,410	0
12/25/96	16.26	16.26	1,471,820	0
12/26/96	16.26	16.26	1,495,230	0
12/27/96	25.2	25.2	1,531,520	0
12/28/96	23.63	23.63	1,565,550	0
12/29/96	22.74	22.74	1,598,290	0
12/30/96	23.56	23.56	1,632,210	0
12/31/96	24.39	24.39	1,667,330	0
Average:			957,330	
Total ⁽²⁾ :	21.4	21.4		0

Footnotes:

(1) Influent, POTW, and Seepage Bed flow rates are daily averages.

(2) Total is the cumulative POTW discharge during the reporting period.

TABLE 3
Product Removal
(gallons per day)
Wauleco, Inc.
Wausau, Wisconsin

<u>Date</u>	<u>PW04</u>	<u>PW05</u>	<u>PW07</u>	<u>PW09</u>	<u>PW10</u>	<u>PW11</u>	<u>PW12</u>	<u>PW13</u>	<u>PW15</u>	<u>PW16</u>	<u>Total</u>
12/1/96	1.72	0	0	0	0	1.72	0	0	0	1.72	5.16
12/2/96	0	1.72	0	0	0	0	0	0	0	1.72	3.44
12/3/96	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
12/4/96	0	0	0	0	0	1.72	0	0	0	1.72	3.44
12/5/96	1.72	0	0	0	0	1.72	0	1.72	0	1.72	6.88
12/6/96	0	0	0	0	0	0	0	0	0	1.72	1.72
12/7/96	1.72	0	0	0	0	1.72	0	3.44	0	1.72	8.6
12/8/96	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
12/9/96	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
12/10/96	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
12/11/96	1.72	0	0	0	0	0	0	1.72	0	3.44	6.88
12/12/96	1.72	0	0	0	0	1.72	0	0	0	1.72	5.16
12/13/96	1.72	0	0	0	0	1.72	0	0	0	0	3.44
12/14/96	1.72	0	0	0	0	1.72	0	1.72	0	1.72	6.88
12/15/96	1.72	0	0	0	0	0	0	1.72	0	1.72	5.16
12/16/96	1.72	0	0	0	0	1.72	0	0	0	0	3.44
12/17/96	3.44	0	0	0	0	1.72	0	0	0	0	5.16
12/18/96	3.44	0	0	0	0	0	0	1.72	0	1.72	6.88
12/19/96	3.44	0	0	0	0	1.72	0	0	0	0	5.16
12/20/96	1.72	0	0	0	0	0	0	1.72	0	0	3.44
12/21/96	1.72	0	0	0	0	0	0	1.72	0	0	3.44
12/22/96	1.72	0	0	0	0	0	0	3.44	0	0	5.16
12/23/96	1.72	0	0	0	0	0	0	0	0	0	1.72
12/24/96	3.44	0	0	0	0	0	0	3.44	0	1.72	8.6
12/25/96	1.72	0	0	0	0	0	0	1.72	0	0	3.44
12/26/96	3.44	0	0	0	0	0	0	1.72	0	0	5.16
12/27/96	3.44	0	0	0	1.72	0	0	1.72	0	0	6.88
12/28/96	3.44	0	0	0	0	1.72	0	1.72	0	1.72	8.6
12/29/96	3.44	0	0	0	0	1.72	0	1.72	0	0	6.88
12/30/96	3.44	0	0	0	0	0	0	1.72	0	0	5.16
12/31/96	3.44	0	0	0	0	0	0	1.72	0	0	5.16
Total:	65.36	1.72	0	0	1.72	20.64	0	41.28	0	30.96	161.68

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	October 28, 1996		November 19, 1996		December 31, 1996	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
PW01	----	1163.20	----	1163.15	----	1163.05
PW02	----	1163.15	----	1163.10	----	1162.90
PW03	----	1163.23	----	1162.95	----	1162.91
PW3S	0.60	1160.31	0.68	1160.49	0.70	1160.41
PW04	0.02	1155.90	0.54	1155.53	0.15	1156.00
PW05	0.80	1155.13	0.35	1153.38	0.42	1155.89
PW06	0.33	1162.24	0.40	1162.14	0.40	1162.09
PW07	0.20	1155.80	0.03	1155.53	0.10	1154.90
PW08	0.05	1161.37	0.10	1161.12	0.10	1161.07
PW9I	----	1170.08	----	1169.78	----	1169.68
PW9O	----	1162.04	----	1162.26	----	1161.67
PW10	0.03	1159.38	0.27	1158.74	1.80	1155.66
PW11	0.60	1159.45	0.42	1160.05	0.20	1159.82
PW12	----	1163.21	----	1163.11	----	1162.91
PW13	0.50	1158.20	1.68	1158.62	0.20	1159.40
PW14	----	1161.49	----	1161.75	----	1161.67
PW15	0.10	1156.66	0.64	1156.30	0.36	1161.47
PW16	0.20	1160.48	2.08	1158.64	0.20	1159.28
P01	0.50	1161.46	0.55	1161.57	1.03	1161.13
OW01	----	1163.53	----	1163.48	----	1163.58
W01A	----	1163.59	----	1163.41	----	1163.26
W01B	----	1163.70	----	1163.60	----	1163.25
W02	----	1162.82	----	1162.80	----	1162.51
W03A	----	1161.28	----	1161.58	----	1161.52
W03B	----	1161.56	----	1161.84	----	1161.66
W04A	0.55	1162.06	0.57	1162.12	0.66	1161.45
W04B	0.21	1162.33	0.34	1162.32	0.27	1161.81
W05	0.40	1161.48	0.63	1161.40	0.69	1161.03
W06R	----	1163.49	----	1163.48	0.18	1162.94
W07	----	1163.27	----	1163.12	----	1163.02
W08	----	1172.75	----	1172.64	----	Frozen
W09	----	1163.19	----	1162.87	----	1162.24
W10A	----	1160.99	----	1161.60	----	1161.34
W10B	----	1161.04	----	1161.57	----	1161.24
W11	----	1160.90	----	1161.21	----	1160.93
W12	----	1160.50	----	1160.69	----	1160.48
W13	----	1161.32	----	1161.86	----	1161.61
W14	----	1159.57	----	1159.69	----	1159.49
W16	----	1162.18	----	1162.41	----	1161.56
W17	0.20	1161.12	0.07	1161.46	0.17	1161.35
W18	----	1161.06	----	1161.83	----	1161.41
W19	----	1163.15	----	1163.07	----	1162.51

TABLE 4
Groundwater Elevation Data
Wauleco, Inc.
Wausau, Wisconsin

<u>Well</u>	October 28, 1996		November 19, 1996		December 31, 1996	
	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation	Oil Thickness	Water Elevation
W21	----	1160.78	----	1160.63	----	Frozen
W22	----	1161.45	----	1161.63	----	1161.45
W23	----	1160.77	----	1160.89	----	Frozen
W24A	----	1160.73	----	1160.87	----	1160.63
W25	----	Inaccessible	----	Inaccessible	----	Inaccessible
W26	----	1160.93	----	1161.32	----	1161.07
W27	----	1161.58	----	1161.78	----	1161.69
W28	----	1161.07	----	1162.04	----	1161.40
W29	----	1160.87	----	1161.45	----	1161.04
W30	0.80	1161.04	0.94	1161.17	0.96	1160.70
W31	----	1160.91	----	1161.53	----	1161.06
W32	----	1160.89	----	1161.54	----	1161.08
W33	----	1162.24	----	Frozen	----	Frozen
W34	0.21	1158.69	0.07	1158.87	0.27	1158.22
W35	1.15	1160.89	1.19	1160.99	0.48	1161.14
W36	----	1162.19	----	1162.24	----	1161.81
W39	----	1162.27	----	1162.22	----	1162.17
W40	0.70	1160.69	0.65	1160.59	0.80	1160.39
W41	----	1162.54	----	Frozen	----	Frozen
W42	0.10	1162.82	0.11	1162.86	0.06	1162.32
W44	0.05	1161.93	0.02	1162.16	0.04	1161.70
W45	0.02	1162.01	0.02	1162.14	0.08	1161.57
W46	1.00	1160.92	0.93	1161.18	0.99	1160.69
W47	1.80	1156.19	1.26	1156.83	0.57	1157.24
W48	0.35	1157.83	0.33	1158.00	0.41	1157.98
W49	0.85	1157.41	0.59	1157.91	0.68	1157.82
W66	----	1163.39	----	1163.38	----	1163.01
W67	----	1163.30	----	1163.33	----	1161.98
W68A	----	1163.35	----	1163.29	----	1161.92
W68B	----	1163.29	----	1163.26	----	1162.96
W69	0.50	1161.90	0.49	1162.02	0.54	1161.96
W70B	----	1163.27	----	1163.17	----	1163.07
River	----	1160.71	----	Frozen	----	Frozen

FIGURE 1
FBR INFLUENT/EFFLUENT
PCP CONCENTRATIONS

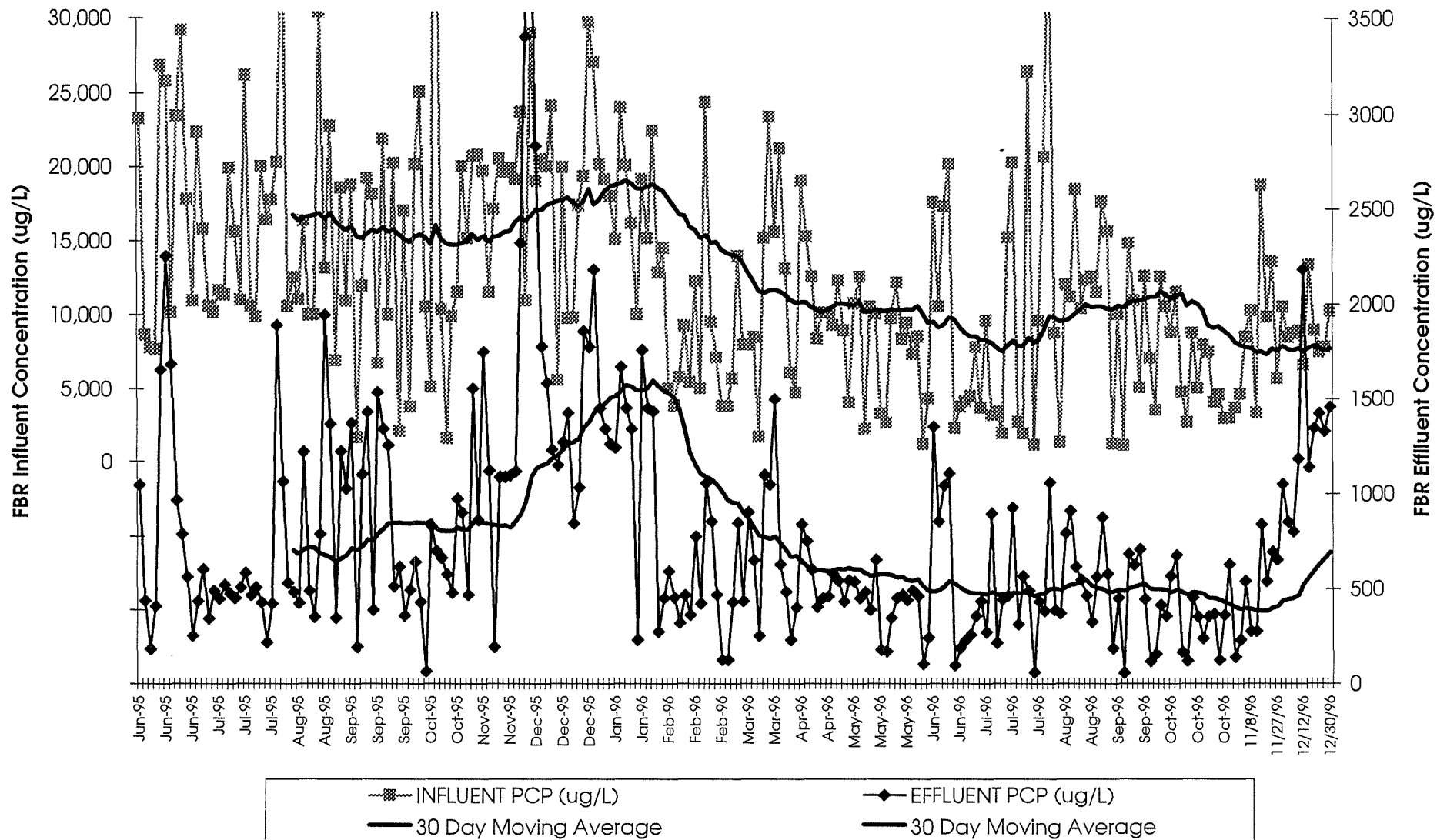
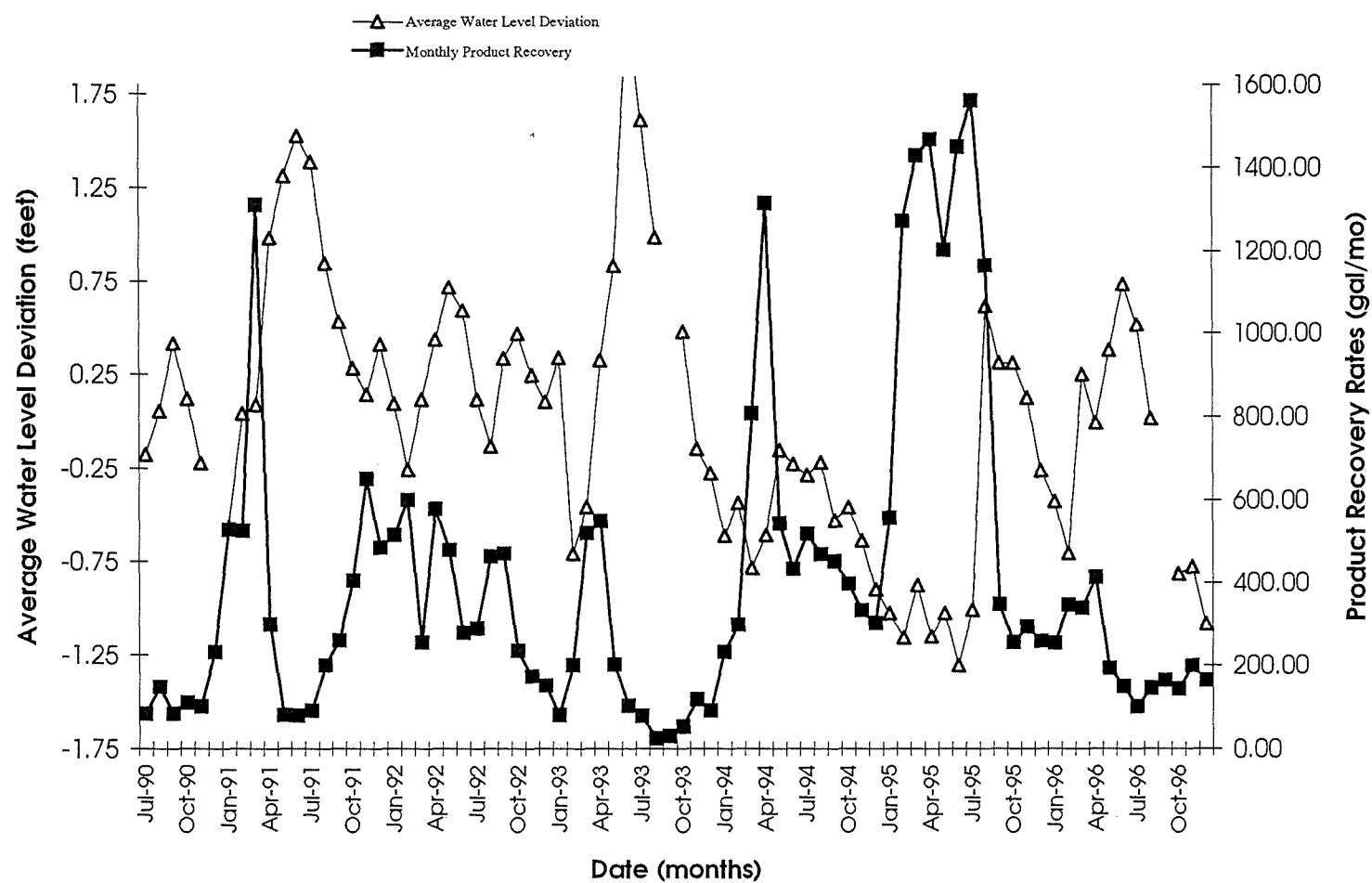
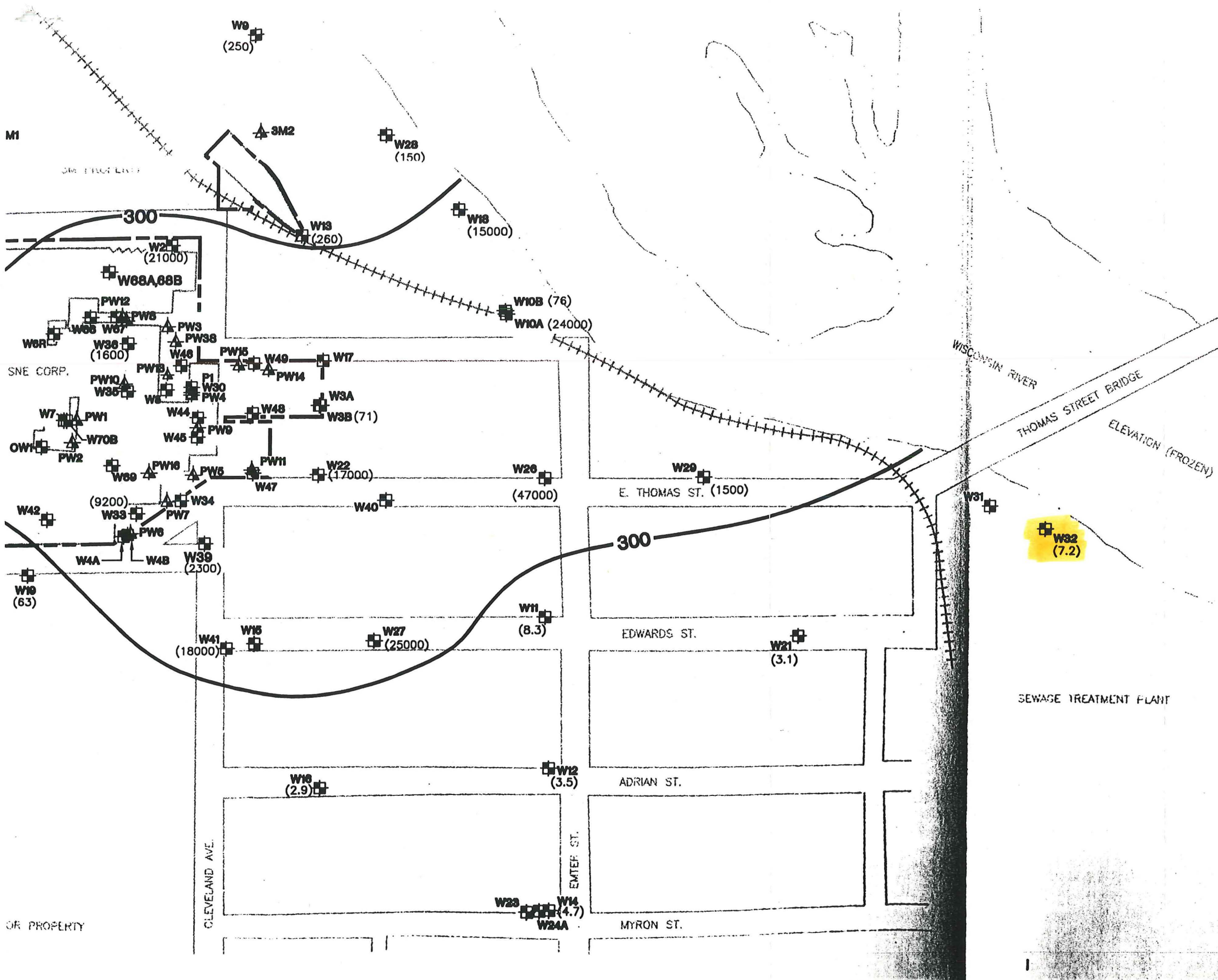


FIGURE 2
Average Water Level Deviation Versus Product Recovery Rates





LEGEND

- W8 (ND) MONITORING WELL LOCATION, NUMBER, AND PCP CONCENTRATION
- PW5 EXTRACTION WELL LOCATION AND NUMBER
- APPROXIMATE PROPERTY LINE
- 300 PCP ISOCONCENTRATION CONTOUR (ug/L)

- NOTES**
1. BASE MAP DEVELOPED FROM DRAWING A107250-1 OF THE SEPTEMBER 1992 SEMI-ANNUAL GROUNDWATER MONITORING REPORT BY KEYSTONE ENVIRONMENTAL.
 2. GROUNDWATER SAMPLES OBTAINED BY MONTGOMERY WATSON IN JULY 1997.
 3. CONCENTRATIONS OBTAINED FROM LABORATORY DATA BY COMMONWEALTH TECHNOLOGY, INC.

