

**JUNE 2002 QUARTERLY
GROUNDWATER MONITORING REPORT
FOR THE
WEISENBERGER TIE & LUMBER SITE
MARATHON CITY, WISCONSIN**

September 17, 2002

ROBERT E. LEE & ASSOCIATES, INC.

Engineering • Surveying • Environmental Services
2825 South Webster Avenue

Green Bay, WI 54301-2878

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pay req #6



Robert E. Lee & Associates, Inc.
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September 17, 2002

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Mr. John Grump
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
P.O. Box 4001
Eau Claire, WI 54702

RE: **June 2002 Quarterly Groundwater Monitoring Report**
Weisenberger Tie and Lumber Company
WDNR File #95S440

Dear Mr. Grump:

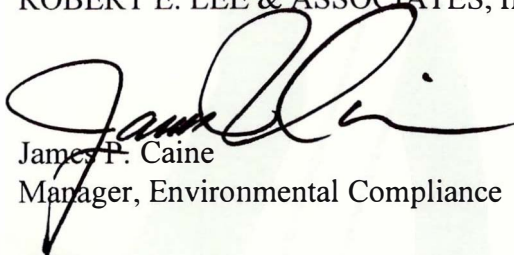
Please find enclosed the quarterly groundwater monitoring report for the above-named site for the sampling event of June 25, 2002.

The results of the groundwater sampling continue to identify several enforcement standard exceedances; however, the groundwater plume appears to be relatively stable.

If you have any questions and/or comments regarding this matter, please contact our office.

Sincerely,

ROBERT E. LEE & ASSOCIATES, INC.



James P. Caine
Manager, Environmental Compliance

JPC/kjp


ENC.

MONITORING WELLS PVOC ANALYSIS

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		MW-1						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	-	-	-	-	-	-	-	NS
06/23/98	-	-	-	-	-	-	-	NS


MONITORING WELL		MW-2						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	<1.0	1	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/23/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MW-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	4.1	2.1	17	104	123	<0.92
12/2/98	4.2	2.1	17	109	131	<0.92
3/30/99	3.7	1.7	13	84	100	<0.92
6/10/99	5.0	2.8	17	105	123	<0.92
9/20/99	5.4	2.9	17	106	136	<0.92
12/3/99	4.1	2.1	13	87	105	<0.92
6/30/00	4.2	2.2	13	77	96	<0.92
9/27/00	4.1	2.3	14	95	85.1	<0.92
12/27/00	<5.0	<6.0	12	77	126	<9.2
3/28/01	2.9	1.4	9.1	54	69	<0.091
6/27/01	3.6	2.0	11	69	90	<0.091
9/24/01	4.1	2.3	13	77	116	<0.091
3/18/02	4	2.1	12	75	103	<0.49

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MW-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
W D N R E S	5	1000	700	10000	480	60
9/15/98	4.1	2.1	17	104	123	<0.92
12/2/98	4.2	2.1	17	109	131	<0.92
3/30/99	3.7	1.7	13	84	100	<0.92
6/10/99	5.0	2.8	17	105	123	<0.92
9/20/99	5.4	2.9	17	106	136	<0.92
12/3/99	4.1	2.1	13	87	105	<0.92
6/30/00	4.2	2.2	13	77	96	<0.92
9/27/00	4.1	2.3	14	95	85.1	<0.92
12/27/00	<5.0	<6.0	12	77	126	<9.2
3/28/01	2.9	1.4	9.1	54	69	<0.091
6/27/01	3.6	2.0	11	69	90	<0.091
9/24/01	4.1	2.3	13	77	116	<0.091
3/18/02	4	2.1	12	75	103	<0.49

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		MW-5						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	10	5.5	26	400	340	75	NA	
08/20/92	<5.0	<5.0	5.7	100	100	20	NA	
12/20/94	<5.0	<5.0	5.4	47	94	17	NA	
03/11/98	<0.13	0.20	<0.22	8.4	11	1.7	0.7	
06/24/98	0.23	<0.20	<0.22	20	25	2.6	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MW-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	<0.60	<0.60	34.7	49.7	<0.92
12/2/98	<0.50	<0.60	<0.60	38	52.6	<0.92
3/30/99	<0.50	<0.60	<0.60	33.6	40.5	<0.92
6/10/99	<0.50	<0.60	<0.60	38.7	50.3	<0.92
9/20/99	<0.50	<0.60	<0.60	36.9	56.4	<0.92
12/3/99	<0.50	<0.60	<0.60	34	43.6	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		MW-6						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	2.1	10	2.4	15	5	1.2	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/23/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MW-6

Date Sampled	Benzene μg/L	Toluene μg/L	Ethylbenzene μg/L	Xylenes μg/L	Trimethylbenzenes μg/L	MTBE μg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		MW-7						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<5.0	<5.0	<5.0	16	55	16	NA	
08/20/92	<5.0	<5.0	<5.0	14	50	12	NA	
12/20/94	<5.0	<5.0	<5.0	15	53	12	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/23/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MW-7

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.5	<0.6	1.1	7.6	18.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		MW-10						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<5.0	<5.0	<5.0	<15	46	10	NA	
08/20/92	<1.0	<1.0	<1.0	4.6	28	3.9	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	17	5.9	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/23/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MW-10

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.5	<0.6	<0.6	<1.7	10.8	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DMW-1						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<5.0	<5.0	<5.0	<15	12	17	NA	
08/20/92	<5.0	21	13	113	72	17	NA	
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	<0.13	2.1	2.5	21	17	18	0.27	
06/24/98	<0.13	1.1	1.6	14	18	14	<3.5	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-1

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	3.3	4.3	47	85	<0.92
12/2/98	<0.50	3.5	4.6	49	87	<0.92
3/30/99	<0.50	3.8	4.6	47	82	<0.92
6/10/99	<0.50	0.97	1.1	10.8	34	<0.92
9/20/99	<0.50	1.0	1.3	11.9	37	<0.92
12/3/99	<0.50	3.0	3.7	38	73	<0.92

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DMW-2						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	-	-	-	-	-	-	-	NS
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-2

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	Not Sampled					
12/2/98	Not Sampled					
3/30/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/10/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
9/20/99	Not Sampled					
12/3/99	Not Sampled					

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DMW-3						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	-	-	-	-	-	-	-	NS
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	Not Sampled					
6/30/00	Not Sampled					
9/27/00	Not Sampled					
12/27/00	Not Sampled					
3/28/01	Not Sampled					
6/27/01	Not Sampled					
9/24/01	Not Sampled					
3/18/02	Not Sampled					

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DMW-4						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	1.5	1.4	18	19	10	NA	
08/20/92	<1.0	1.5	<1.0	16	17	7.9	NA	
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-4

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	Not Sampled					
6/30/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
9/27/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
12/27/00	Not Sampled					
3/28/00	<0.21	<0.22	<0.23	<0.44	<0.23	<0.091
6/27/01	<0.21	<0.22	<0.23	2.9	4.4	<0.091

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DMW-5						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	Not Sampled					
6/30/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
9/27/00	<0.5	4.2	<0.6	<1.7	<1.7	<0.92
12/27/00	Not Sampled					
3/28/01	Not Sampled					
6/27/01	<0.21	<0.22	<0.23	<0.44	<0.23	<0.091

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DMW-6a						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	1.9	9.4	2	14	4.7	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-6A

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	Not Sampled					
6/30/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
9/27/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
12/27/00	Not Sampled					
3/28/01	Not Sampled					
6/27/01	<0.21	<0.22	<0.23	<0.44	<0.23	<0.091

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DMW-7						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-7

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/2/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
3/30/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/10/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
9/20/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/3/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DMW-8						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	<1.0	<1.0	<1.0	3.3	<1.0	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-8

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DMW-10						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	NS
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DMW-10

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/30/00	<0.50	<0.6	<0.6	<1.7	<1.7	<0.92
9/27/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
12/27/00	<0.5	<0.6	<0.6	<1.7	<1.7	<0.92
3/28/01	<0.21	<0.22	<0.23	<0.44	0.28	<0.091
6/27/01	<0.21	<0.22	<0.23	<0.44	<0.23	<0.091

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DPZ-1						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	93	670	68	800	900	300	NA	NS
08/20/92	1.6	20	<1.0	7.3	4	4.1	NA	NS
12/20/94	-	-	-	-	-	-	-	NS
03/11/98	0.25	3.30	<0.22	0.74	0.94	0.43	2	
06/24/98	0.31	2.40	<0.22	1.4	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-1

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	2.1	7.2	7.8	109	75	<0.92
12/2/98	2.2	10	12	131	115	<0.92
3/30/99	2.4	13	13	133	121	<0.92
6/10/99	2.6	6.0	14	143	130	<0.92
9/20/99	2.6	9.4	10	120	103	<0.92
12/3/99	2.5	2.7	14	139	120	<0.92
6/30/00	<5.0	<6.0	12	117	109	<9.2
9/27/00	1.8	15	7.5	119	67.8	<0.92
12/27/00	2.1	14	10	96	87	<0.091
3/28/01	2.0	3.4	10	70	91	<0.46
6/27/01	9.7	25	29	141	65	<1.8
9/24/01	2.3	2.2	11	77	104	<0.91
3/18/02	2.6	14	1.9	88	125	<0.49

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DPZ-1a						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	1.7	2.1	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-1a

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DPZ-2						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-2

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/2/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
3/30/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/10/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
9/20/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/3/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


MONITORING WELL		DPZ-3						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
08/20/92	<1.0	2.3	<1.0	11	6.2	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	4.2	<1.0	<1.0	NA	
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/2/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
3/30/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/10/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
9/20/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/3/99	<0.50	<0.60	<0.60	1.8	<1.7	<0.92

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DPZ-4						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	NS
12/20/94	<1.0	2.4	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-4

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethybenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
9/15/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/2/98	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
3/30/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
6/10/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
9/20/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92
12/3/99	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DPZ-5						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	700	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	-	-	-	-	-	-	-	NS
06/24/98	-	-	-	-	-	-	-	NS

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results


DPZ-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethylbenzenes µg/L	MTBE µg/L
WDNR ES	5	1000	700	10000	480	60
3/6/00	<0.50	<0.60	<0.60	<1.7	<1.7	<0.92

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
PVOC Analytical Results

MONITORING WELL		DPZ-6						
Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	1,2,4 TMB (ug/L)	1,3,5 TMB (ug/L)	MTBE (ug/L)	comments
WDNR ES	5	343	780	620			60	
06/03/92	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	NS
12/20/94	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	
03/11/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	
06/24/98	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16	

 = ES exceedance

Pumping Well Petroleum Volatile Organic Compound Analytical Results
Weisenberger Tie Lumber Co.

PVOC							
3/11/98	Benzene	Toluene	Ethylbenzene	Xylene	1,2,4 TMB	1,3,5 TMB	MTBE
WDNR ES	5	343	700	620			60
DPW-1	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-2	<0.13	<0.20	<0.22	3.7	4.1	1.0	0.79
DPW-3	0.31	<0.20	<0.22	6.1	2.0	0.66	0.76
DPW-4	0.16	<0.20	<0.22	0.63	<0.22	<0.29	1.5
DPW-5	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-6	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-7	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-8	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	0.37

PVOC							
6/23/98	Benzene	Toluene	Ethylbenzene	Xylene	1,2,4 TMB	1,3,5 TMB	MTBE
WDNR ES	5	343	700	620			60
DPW-1	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-2	<0.13	<0.20	<0.22	3.3	6.4	1.4	<0.16
DPW-3	0.66	1.4	2.0	24	21	3.2	<0.16
DPW-4	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-5	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-6	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-7	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16
DPW-8	<0.13	<0.20	<0.22	<0.23	<0.22	<0.29	<0.16

NOTES:

ug/L = micrograms per liter

- = no analytical

1,2,4 TMB = 1,2,4 Trimethylbenzene

1,3,5 TMB = 1,3,5 Trimethylbenzene

MTBE = Methyl-tert-butyl ether

WDNR ES = indicates exceedance to WDNR enforcement standards (ES)

**MONITORING WELLS
SVOC ANALYSIS**

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MONITORING WELL		MW-3								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
W/DNR ES	40				1.4					
06/03/92	330	<110	<110	<110	37000	<110	<110	<110	<110	
08/20/92	<1000	<1000	<1000	<1000	31000	<1000	<1000	<1000	<1000	
12/20/94	170	<1000	<1000	<1000	22000	<1000	<1000	<1000	<1000	
03/15/95	300	<1000	<1000	<1000	32000	<1000	<1000	<1000	<1000	
06/21/95	<1000	<1000	<1000	<1000	28000	<1000	<1000	<1000	<1000	
09/14/95	180	5	6	12	24000	<10	<10	<10	<10	
12/14/95	290	<2000	<2000	<2000	34000	<2000	<2000	<2000	<2000	
03/06/96	370	<2000	<2000	<2000	34000	<2000	<2000	<2000	<2000	
06/13/96	260	<500	<500	<500	20000	<500	<500	<500	<500	
Dup (6/13/96)	250	<500	<500	<500	19000	<500	<500	<500	<500	
09/19/96	<2000	<2000	<2000	<2000	19000	<2000	<2000	<2000	<2000	
Dup (9/19/96)	<2000	<2000	<2000	<2000	19000	<2000	<2000	<2000	<2000	
12/17/96	-	-	-	-	-	-	-	-	-	
03/18/97	<400	<280	<260	<300	23000	<190	<140	<170	<130	
09/10/97	68	<7.0	<6.5	<7.5	18000	<4.7	<3.4	<4.3	<3.3	
Dup(9/10/97)	49	<7.0	<6.5	<7.5	18000	<4.7	<3.4	<4.3	<3.3	
12/17/97	<210	<140	<130	<150	15000	<97	<71	<90	<68	
03/11/98	260	<210	<230	<240	13100	<270	<240	<240	<240	
06/23/98	220	<10	16	17	7400	<10	17	<10	<10	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MW-3

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	100	<0.66	3.7	<0.82	6840	<0.94	5.5	<0.96	<0.42
12/2/98	173	<0.66	2.8	7.7	12900	<0.94	13	<0.96	<0.42
3/30/99	113	<6.6	<8.4	<8.2	10600	<9.4	7.4	<9.6	<4.2
6/10/99	63	<6.6	<8.4	<8.2	9760	<9.4	7.4	<9.6	<4.2
9/20/99	129	<6.6	<8.4	<8.2	13000	<9.4	<6.8	<9.6	<4.2
12/3/99	169	<6.6	<8.4	8.4	13300	<9.4	10	<9.6	<4.2
3/6/00	146	<15	<11	<12	18600	<17	<14	<20	<22
6/30/00	34	<15	<11	<12	13900	<17	<14	<20	<22
9/27/00	163	<15	<11	<12	19600	<17	<14	<20	<22
12/27/00	151	<2.9	7.8	8.2	23700	<3.4	10	<4.0	<4.4
3/28/01	<14	<15	<11	<12	14900	<17	<14	<20	<22
6/27/01	60	<1.5	7.3	11	5830	<1.7	<1.4	<2.0	<2.2
9/24/01	185	<1.5	6.0	8.2	20900	<1.7	3.1	<2.0	<2.2
12/3/01	190	<22	<39	<33	16000	<38	<35	<28	<39
3/18/02	<1550	<1800	<1650	<1550	17000	<1100	<1450	<1400	<1350
6/25/02	<155	<180	<165	<155	8600	<105	<145	<140	<135

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY SVOC Analytical Results


MONITORING WELL MW-5										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40				1.4					
06/03/92	170	<10	<10	<10	9900	<10	7	<10	<10	
08/20/92	160	<40	<40	<40	11000	<40	<40	<40	<40	
12/20/94	370	<1000	<1000	<1000	24000	<1000	<1000	<1000	<1000	
03/15/95	160	<1000	<1000	<1000	11000	<1000	<1000	<1000	<1000	
06/21/95	<1000	<1000	<1000	<1000	12000	<1000	<1000	<1000	<1000	
09/13/95	160	<10	<10	<10	7800	<10	9	<10	<10	
12/14/95	<1000	<1000	<1000	<1000	13000	<1000	<1000	<1000	<1000	
DUP(12/14/95)	<1000	<1000	<1000	<1000	13000	<1000	<1000	<1000	<1000	
3/6/96	<1000	<1000	<1000	<1000	9100	<1000	<1000	<1000	<1000	
6/13/96	<500	<500	<500	<500	7700	<500	<500	<500	<500	
9/18/96	<500	<500	<500	<500	5600	<500	<500	<500	<500	
12/17/96	<10	<10	<10	<10	5000	<10	<10	<10	<10	
3/19/97	<200	<140	<130	<150	6700	<94	<69	<87	<66	
9/10/97	<2.0	<1.4	<1.3	<1.5	7.4	<0.94	<0.69	<1.5	<0.66	
12/17/97	<2.1	<1.4	<1.3	<1.5	7.4	<0.91	<0.71	<0.90	<0.68	
3/11/98	4.1	<2.1	<2.3	<2.4	1400	<2.6	<2.4	>2.4	<2.4	
06/23/98	<24	<21	<23	<24	1900	<26	<24	<24	<24	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MW-5

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	45	<0.66	<0.84	1.1	3700	<0.94	3.4	<0.96	<0.42
12/2/98	72	<0.66	<0.84	1.3	4270	<0.94	4.9	<0.96	<0.42
3/30/99	60	<3.3	<4.2	<4.1	3190	<4.7	<3.4	<4.8	<2.1
6/10/99	<3.5	<3.3	<4.2	<4.1	2910	<4.7	<3.4	<4.8	<2.1
9/20/99	<3.5	<3.3	<4.2	<4.1	3860	<4.7	<3.4	<4.8	<2.1
12/3/99	53	<6.6	<8.4	<8.2	3470	<9.4	<6.8	<9.6	<4.2
3/6/00	29	<7.3	<5.6	<6.0	3530	<8.5	<7.1	<9.9	<11
6/30/00	<14	<15	<11	<12	3400	<17	<14	<20	<22
9/27/00	<14	<15	<11	<12	3150	<17	<14	<20	<22
12/27/00	7.2	<2.9	<2.2	<2.4	803	<3.4	<2.8	<4.0	<4.4
3/28/01	36	<15	<11	<12	4240	<17	<14	<20	<22
6/27/01	31	<1.5	<1.1	<1.2	2650	<1.7	2.5	<2.0	<2.2
9/24/01	97	<1.5	<1.1	<1.2	448	<1.7	3.1	<2.0	<2.2
12/3/01	<29	<22	<39	<33	2800	<38	<35	<28	<39
3/18/02	<310	<360	<330	<310	2100	<210	<290	<280	<270
6/25/02	<310	<360	<330	<310	2100	<210	<290	<280	<270

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL MW-6										Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
WDNR ES	40				13					
06/03/92	<11	<11	<11	<11	<54	<11	<11	<11	<11	
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/15/95	<10	<10	<10	<10	16	<10	<10	<10	<10	
06/21/95	<11	<11	<11	<11	23	<11	<11	<11	<11	
Dup (6/21/95)	<10	<10	<10	<10	32	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/13/95	<10	<10	<10	<10	<10	<25	<10	<10	<10	
03/06/96	<10	<10	<10	<10	<10	<25	<10	<10	<10	
06/13/96	-	-	-	-	-	-	-	-	-	
09/19/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	NS
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	NS	NS	NS	NS	NS	NS	NS	NS	NS	Bent Casing
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MW-6

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	Not Sampled								
12/2/98	Not Sampled								
3/30/99	15	<0.66	<0.84	<0.82	475	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	6.2	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	79	<0.94	<6.8	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	487	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	2.4	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	28	<1.7	<1.4	<2.0	<2.2
3/28/01	2.3	<1.5	<1.1	<1.2	421	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	85	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
12/3/01	0.38	<0.22	<0.39	<0.33	63	<0.38	<0.35	<0.28	<0.39
3/18/02	<12.4	<14.4	<13.2	<12.4	180	15	<11.6	<11.2	<10.8
6/25/02	<3.1	<3.6	<3.3	<3.1	74	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL		MW-7								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40				1.0					
06/03/92	<11	<11	14	16	2900	<11	14	<11	<11	
08/20/92	18	<20	9	10	3000	<20	10	<20	<20	
12/20/94	29	<100	<100	<100	1300	<100	<100	<100	<100	
03/14/95	10	<100	<100	<100	2900	<100	10	<100	<100	
06/20/95	<10	<10	<10	<10	2300	<10	<10	<10	<10	
09/12/95	<10	<10	3	3	2800	<10	<10	<10	<10	
12/14/95	<100	<100	11	10	2800	<100	<100	<100	<100	
03/06/96	3	<10	1	2	360	<10	2	<10	<10	
06/13/96	<250	<250	<250	<250	2100	<250	<250	<250	<250	
09/18/96	<200	<200	<200	<200	2400	<200	<200	<200	<200	
12/17/96	72	<10	10	9.4	1800	<10	5	<10	<10	
03/19/97	<100	<70	<65	<75	2400	<47	<34	<44	<33	
09/10/97	<2.0	<1.4	7.5	<0.87	2300	<0.94	<0.69	<0.87	<0.66	
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	<2.3	<2.4	550	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MW-7

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	39	<0.66	3.5	3.1	1120	<0.94	<0.68	<0.96	<0.42
12/2/98	20	<0.66	4.9	4.4	1210	<0.94	1.8	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	91	<0.94	<0.68	<0.96	<0.42
6/10/99	5.9	<0.66	4.1	3.5	795	<0.94	<0.68	<0.96	<0.42
9/20/99	53	<1.3	10	10	1360	<1.9	6.1	<1.9	<0.84
12/3/99	<3.5	<3.3	9.9	11	1380	<4.7	7.5	<4.8	<2.1
3/6/00	<6.9	<7.3	<5.6	<6.0	2090	<8.5	<7.1	<9.9	<11
6/30/00	<6.9	<7.3	<5.6	<6.0	818	<8.5	<7.1	<9.9	<11
9/27/00	46	<7.3	7.2	6.8	1320	<8.5	<7.1	<9.9	<11
12/27/00	51	<2.9	11	11	1830	<3.4	8.6	<4.0	<4.4
3/28/01	Not Sampled								
6/27/01	60	<1.5	7.7	6.3	1190	<1.7	1.6	<2.0	<2.2
9/24/01	85	<1.5	8.1	7.7	1220	<1.7	4.4	<2.0	<2.2
12/3/01	53	<2.2	19	20	2400	<3.8	11	<2.8	<3.9
3/18/02	<155	<180	<165	<155	870	<110	<145	<140	<135
6/25/02	<62	<72	<66	<62	690	<42	<58	<56	<54

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL MW-10										Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
WENR ES	40				1.8					
06/03/92	25	<10	12	12	1500	<10	10	<10	<10	
08/20/92	<40	<40	<40	<40	730	<40	<40	<40	<40	
12/20/94	19	<20	7	8	430	<20	10	<20	<20	
Dup (12/20/94)	<10	<10	<10	<10	460	<20	10	<20	<20	
03/15/95	34	<20	9	10	1100	<20	11	<20	<20	
06/21/95	<11	<11	<11	<11	920	<11	<11	<11	<11	
Dup (6/21/95)	<10	<10	<10	<10	1100	<10	<10	<10	<10	
09/13/95	<10	<10	8	8	920	<10	5	<10	<10	
12/14/95	19	<20	12	<20	390	<20	18	<20	2	
3/6/96	NS	NS	NS	NS	NS	NS	NS	NS	NS	
6/13/96	<10	<10	2	2	100	<10	<10	<10	<10	
9/18/96	<10	<10	<10	<10	81	<10	<10	<10	<10	
12/17/96	<50	<50	6.7	8.9	150	<50	<50	<50	<50	
Dup (12/17/96)	10	<10	7.9	8.8	140	<10	9.3	<10	1.2	
3/19/97	<20	<14	<13	<15	400	<9.4	<6.9	<8.7	<6.6	
9/10/97	<20	<14	<13	<15	250	<9.4	<6.9	<8.7	<6.6	
12/17/97	<10	<1.2	<6.7	<1.7	180	<4.8	<3.6	<4.5	<3.4	
3/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	6.3	3.4	230	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MW-10

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	2.6	<0.66	2.4	3.4	176	<0.94	3.1	<0.96	<0.42
12/2/98	8.2	<0.66	5.0	5.5	482	<0.94	5.3	<0.96	<0.42
3/30/99	7.2	<1.3	7.5	7.4	563	<1.9	5.3	<1.9	<0.8
6/10/99	2.6	<1.3	<1.7	2.1	221	<1.9	<1.4	<1.9	<0.8
9/20/99	<1.4	<1.3	<1.7	2.7	81	<1.9	<1.4	<1.9	<0.84
12/3/99	4.3	<1.3	4.0	4.4	153	<1.9	2.9	<1.9	<0.84
3/6/00	8.0	<1.5	2.9	2.8	832	<1.7	<1.4	<2.0	<3.0
6/30/00	2.5	<1.5	1.7	1.9	225	<1.7	<1.4	<2.0	<2.2
9/27/00	3.6	<1.5	2.5	3.2	266	<1.7	2.6	<2.0	<2.2
12/27/00	13	<2.9	11	13	550	<3.4	9.6	<4.0	<4.4
3/28/01	Not Sampled								
6/27/01	<1.4	<1.5	<1.1	<1.2	58	<1.7	<1.4	<2.0	<2.2
9/24/01	4.8	<1.5	3.5	4.5	225	<1.7	3.4	<2.0	<2.2
12/3/01	15	<2.2	11	10	660	<3.8	7.8	<2.8	<3.9
3/18/02	<31	<36	<33	<31	950	62	<29	<28	<27
6/25/02	<31	<36	<33	<31	410	<21	<29	<28	<27

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


MONITORING WELL DMW-1										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
W.DNR ES	40				1.8					
06/03/92	<100	<100	<100	<100	17000	<100	<100	<100	<100	
Dup (6/03/92)	<100	<100	<100	<100	17000	<100	<100	<100	<100	
08/20/92	<500	<500	<500	<500	16000	<500	<500	<500	<500	
12/20/94	-	-	-	-	-	-	-	-	-	NS
03/15/95	11	<10	25	<10	6300	<10	75	6	9	
06/21/95	<10	<10	15	<10	3700	<10	49	5	8	
09/13/95	12	<10	21	31	12000	<10	40	6	<10	
12/14/95	<100	<100	15	<100	2800	<100	32	<100	<100	
Dup (12/14/95)	<200	<200	27	<200	4500	<200	60	<200	<200	
03/06/96	-	-	-	-	-	-	-	-	-	NS
6/13/96	<1000	<1000	<1000	<1000	14000	<1000	50	<1000	<1000	
9/19/96	<2000	<2000	<2000	<2000	12000	<2000	<2000	<2000	<2000	
Dup (9/19/96)	<2000	<2000	<2000	<2000	11000	<2000	<2000	<2000	<2000	
12/17/96	-	-	-	-	-	-	-	-	-	NS
3/18/97	-	-	-	-	-	-	-	-	-	NS
9/10/97	<100	<70	<65	<75	2400	<47	<34	<44	<33	
12/17/97	<100	<72	<67	<77	10000	<48	<36	<45	<34	
3/11/98	<240	<210	<230	<240	12300	<260	<240	<240	<240	
06/23/98	<10	<10	34	<10	11500	<10	<10	<10	<10	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

DMW-1

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	24	<0.66	16	26	7940	<0.94	40	3.6	6.7
12/2/98	28	<0.66	31	27	11200	<0.94	63	8.3	13
3/30/99	<7.0	<6.6	<8.4	24	6980	<9.4	51	<9.6	12
6/10/99	<7.0	<6.6	11	<8.2	3530	<9.4	12	<9.6	<4.2
9/20/99	<7.0	<6.6	16	15	6170	<9.4	25	<9.6	<4.2
12/3/99	14	<6.6	94	96	9590	<9.4	230	21	38
3/6/00	<6.9	<7.3	25	12	10300	<8.5	26	<9.9	<11
6/30/00	<14	<15	18	16	6530	<17	31	<20	<22
9/27/00	37	<15	57	72	10500	<17	134	<20	23
12/27/00	Not sampled								
3/28/01	<14	<15	26	23	11200	<17	39	<20	<22
6/27/01	<1.4	<1.5	24	24	4050	<1.7	29	4.2	5.4
9/24/01	60	<1.5	44	50	10700	<1.7	<1.4	1190	17
12/3/01	<29	<22	<39	<33	11000	<38	40	<28	<39
3/18/02	Not sampled								
6/25/02	<31	<36	<33	<31	3300	<21	<29	<28	<27

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL DMW-2										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
3/11/98	-	-	-	-	-	-	-	-	-	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

DMW-2

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	Not Sampled								
12/2/98	Not Sampled								
3/30/99	<0.70	<0.66	<0.84	<0.82	1.7	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	2.2	<0.94	<0.68	<0.96	<0.42
9/20/99	Not Sampled								
12/3/99	Not Sampled								
6/10/99	<0.70	<0.66	<0.84	<0.82	2.2	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	16	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	3.7	<1.7	<1.4	<2.0	<2.2
12/27/00	Not sampled								
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	Not Sampled								
12/3/01	<0.29	<0.22	<0.39	<0.33	26	<0.38	<0.35	<0.28	<0.39
3/18/02	Not Sampled								
6/25/02	<3.1	<3.6	<3.3	<3.1	12	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-3

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
3/6/00	Not Sampled								
6/30/00	Not Sampled								
9/27/00	Not Sampled								
12/27/00	Not Sampled								
3/28/01	Not Sampled								
6/27/01	Not Sampled								
9/24/01	Not Sampled								
12/3/01	Not Sampled								
3/18/02	Not Sampled								
6/25/02	<3.1	<3.6	<3.3	<3.1	8.3	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL										DMW-4
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WENK ES	40				1.4					
06/03/92	<10	<10	10	10	7100	<10	7	<10	<10	
08/20/92	<20	<20	<20	<20	5700	<20	<20	<20	<20	
12/20/94	-	-	-	-	-	-	-	-	-	NS
03/14/95	-	-	-	-	-	-	-	-	-	NS
06/21/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	130	<10	<10	<10	<10	
12/13/95	-	-	-	-	-	-	-	-	-	NS
03/06/96	-	-	-	-	-	-	-	-	-	NS
06/13/96	<10	<10	<10	<10	3	<10	<10	<10	<10	
09/18/96	-	-	-	-	-	-	-	-	-	NS
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	MUD
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-4

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	16	<0.94	<0.68	<0.96	<0.42
12/2/98	Not Sampled								
3/30/99	<0.70	<0.66	<0.84	<0.82	3.7	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	12	<0.94	<0.68	<0.96	<0.42
9/20/99	3.7	<0.66	<0.84	1.3	2050	<0.94	<0.68	<0.96	<0.42
12/3/99	Not Sampled								
3/6/00	Not Sampled								
6/30/00	<1.4	<1.5	<1.1	<1.2	3.0	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	43	<1.7	<1.4	<2.0	<2.2
12/27/00	Not Sampled								
3/28/01	<1.4	<1.5	<1.1	<1.2	4.2	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	38	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	1080	<1.7	<1.4	<2.0	<2.2
12/3/01	<1.45	<1.1	<1.95	<1.65	220	<1.9	<1.75	<1.4	<1.95
3/18/02	Not Sampled								
6/25/02	<31	<36	<33	<31	850	<21	<29	<28	<27

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL		DMW-5								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
	ES	ES	ES	ES	ES	ES	ES	ES	ES	
06/03/92	<11	<11	<11	<11	<57	<11	<11	<11	<11	
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	-	-	-	-	-	-	-	-	-	NS
06/22/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/13/95	-	-	-	-	-	-	-	-	-	NS
03/06/96	-	-	-	-	-	-	-	-	-	NS
06/12/96	-	-	-	-	-	-	-	-	-	NS
09/18/96	-	-	-	-	-	-	-	-	-	NS
12/11/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-5

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	39	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	1.0	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	18	<0.94	<0.68	<0.96	<0.42
3/6/00	Not Sampled								
6/30/00	<1.4	<1.5	<1.1	<1.2	0.98	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	1.5	<1.7	<1.4	<2.0	<2.2
12/27/00	Not Sampled								
3/28/01	Not Sampled								
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
12/3/01	<0.29	<0.22	<0.39	<0.33	<2.1	<0.38	<0.35	<0.28	<0.39
3/18/02	Not Sampled								
6/25/02	<3.1	<3.6	<3.3	<3.1	9.2	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL DMW-6a										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR-ES	40				1.0					
06/03/92	<11	<11	<11	<11	600	<11	<11	<11	<11	
08/20/92	<10	<10	<10	<10	110	<10	<10	<10	<10	
12/20/94	3	<20	<20	<20	330	<20	<20	<20	<20	
Dup (12/20/94)	<20	<20	<20	<20	370	<20	<20	<20	<20	
03/14/95	-	-	-	-	-	-	-	-	-	NS
06/20/95	<11	<11	<11	<11	35	<11	<11	<11	<11	
09/12/95	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/13/95	-	-	-	-	-	-	-	-	-	NS
03/05/96	-	-	-	-	-	-	-	-	-	NS
06/12/96	-	-	-	-	-	-	-	-	-	NS
09/18/96	-	-	-	-	-	-	-	-	-	NS
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	DRY
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-6A

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	3.6	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	6.5	<0.94	<0.68	<0.96	<0.42
3/30/99	Not Sampled								
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	2.1	<0.94	<0.68	<0.96	<0.42
12/3/99	Not Sampled								
3/6/00	Not Sampled								
6/30/00	<1.4	<1.5	<1.1	<1.2	2.5	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	2.4	<1.7	<1.4	<2.0	<2.2
12/27/00	Not Sampled								
3/28/01	Not Sampled								
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
12/3/01	Not Sampled								
3/18/02	<3.1	<3.6	<3.3	<3.1	5.3	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL		DMW-7								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<50	<50	<10	<50	1100	<50	<50	<50	<50	
03/14/95	<50	<50	<50	<50	1500	<50	<50	<50	<50	
06/20/95	<10	<10	<10	<10	590	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	23	<10	<10	<10	<10	
12/13/95	<10	<10	<10	<10	53	<10	<10	<10	<10	
03/06/96	<10	<10	<10	<10	8	<10	<10	<10	<10	
06/12/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/18/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-7

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	1.0	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	1.3	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	2.0	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	0.90	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
12/3/01	<0.29	<0.22	<0.39	<0.33	<2.1	<0.38	<0.35	<0.28	<0.39
3/18/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL		DMW-8								Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
WDMR ES	40				1.6					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/20/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<11	<11	<11	<11	<33	<11	<11	<11	<11	
12/14/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/06/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/12/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/18/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

DMW-8


Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

DMW-10

Date Sampled	Naphthalene μg/L	Acenaphthylene μg/L	Acenaphthene μg/L	Fluorene μg/L	Pentachlorophenol μg/L	2-Methylphenol μg/L	Phenanthrene μg/L	Fluoranthene μg/L	Pyrene μg/L
WDNR ES	40			400	1.0			400	250
3/6/00	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	0.98	<1.7	<1.4	<2.0	<2.2
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

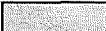
MONITORING WELL DMW-12										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
	40				1.8					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	-	-	NS
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/20/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/12/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/13/95	-	-	-	-	-	-	-	-	-	DRY
03/06/96	-	-	-	-	-	-	-	-	-	NS
06/13/96	-	-	-	-	-	-	-	-	-	DRY
09/18/96	-	-	-	-	-	-	-	-	-	DRY
12/17/96	-	-	-	-	-	-	-	-	-	DRY
03/18/97	-	-	-	-	-	-	-	-	-	DRY
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	-	-	-	-	-	-	-	-	-	DRY
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-12

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL		DMW-13								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Accenaphthylene (ug/L)	Accenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
09/12/95	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/13/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/06/96	-	-	-	-	-	-	-	-	-	FROZEN
06/12/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/18/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	FROZEN
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	NS
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DMW-13

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	22	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	1.7	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
3/28/01	Not Sampled								
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
12/3/01	<0.29	<0.22	<0.39	<0.33	<2.1	<0.38	<0.35	<0.28	<0.39
3/18/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


PIEZOMETER	DPZ-1									Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
WDNR ES	40				10					
06/03/92	<40	<40	91	120	12000	<40	260	19	24	
08/20/92	<200	<200	<200	<200	5600	<200	<200	<200	<200	
12/20/94	-	-	-	-	-	-	-	-	-	NS
03/15/95	16	<54	19	27	7900	<54	39	<54	6	
06/22/95	<50	<50	27	31	5500	<50	39	<50	17	
09/14/95	<10	<10	8	5	5100	<10	<10	2	4	
12/14/95	<250	<250	<250	<250	5700	<250	29	<250	<250	
03/06/96	<250	<250	28	<250	9000	<250	33	<250	13	
06/13/96	<1000	<1000	<1000	<1000	5700	<1000	<1000	<1000	<1000	
Dup (6/13/96)	<1000	<1000	<1000	<1000	5300	<1000	<1000	<1000	<1000	
09/19/96	<1000	<1000	<1000	<1000	5600	<1000	<1000	<1000	<1000	
12/17/96	<1000	<1000	<1000	<1000	6700	<1000	<1000	<1000	<1000	
03/19/97	<200	<140	<130	<150	4900	<94	<69	<87	<66	
09/10/97	<20	<14	<13	<15	5000	<9.4	<6.9	<15	<6.6	
12/17/97	<200	<140	<130	<150	3900	<94	<69	<87	<66	
03/11/98	<51	<45	<49	<51	1300	<55	<51	<51	<51	
06/23/98	<2.4	<2.1	<2.3	<2.4	2300	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-1

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNRES	40			400	1.0			400	250
9/15/98	101	<0.66	<0.84	<0.82	6480	<0.94	<0.68	<0.96	<0.42
12/2/98	129	<0.66	<0.84	2.9	7500	<0.94	<0.68	<0.96	<0.42
3/30/99	59	<3.3	<4.2	<4.1	4460	<4.7	<3.4	<4.8	<2.1
6/10/99	<7.0	<0.66	<0.84	<8.2	3960	<0.94	<0.68	<0.96	<0.42
9/20/99	<7.0	<6.6	<8.4	<8.2	5830	<9.4	<6.8	<9.6	<4.2
12/3/99	96	<6.6	<8.4	<8.2	4450	<9.4	<6.8	<9.6	<4.2
3/6/00	191	<1.5	<1.1	1.5	8300	<1.7	2.1	<2.0	<2.2
6/30/00	<14	<15	<11	<12	6910	<17	<14	<20	<22
9/27/00	113	<15	<11	<12	7000	<17	<14	<20	<22
12/27/00	112	<2.9	<2.2	<2.4	11000	<3.4	<2.8	<4.0	<4.4
3/28/01	39	<15	<11	<12	7990	<17	<14	<20	<22
6/27/01	2.18	<1.5	<1.1	<1.2	3120	<1.7	<1.4	<2.0	<2.2
9/24/01	158	<1.5	<1.1	1.3	7970	<1.7	<1.4	<2.0	<2.2
12/3/01	240	<22	<39	<33	12000	<38	<35	<28	<39
3/18/02	<620	<720	<660	<620	7700	600	<580	<560	<540
6/25/02	<310	<360	<330	<310	7700	<210	<290	<280	<270

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


PIEZOMETER DPZ-1a										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WEDNR ES	40				1.4					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	<10	<10	<10	<10	130	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	-	-	-	-	-	-	-	-	-	NS
06/22/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	-	-	-	-	-	-	-	-	-	NS
12/13/95	-	-	-	-	-	-	-	-	-	NS
03/05/96	-	-	-	-	-	-	-	-	-	NS
06/13/96	-	-	-	-	-	-	-	-	-	NS
09/19/96	<11	<11	<11	<11	9.0	<11	<11	<11	<11	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-1a

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	3.6	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	12	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	2.2	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	4.0	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	8.6	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	11	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	6.4	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	4.1	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	4.9	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	6.2	<1.7	<1.4	<2.0	<2.2
3/28/01	<1.4	<1.5	<1.1	<1.2	8.1	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<2.0	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	21	<1.7	<1.4	<2.0	<2.2
12/3/01	<0.29	<0.22	<0.39	<0.33	21	<0.38	<0.35	<0.28	<0.39
3/18/02	<3.1	<3.6	<3.3	<3.1	9.2	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	12	<2.1	<2.9	<2.8	<2.7

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


PIEZOMETER		DPZ-2								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
	40				15					
06/03/92	<10	<10	<10	<10	<53	<10	<10	<10	<10	
Dup (6/03/92)	<10	<10	<10	<10	<53	<10	<10	<10	<10	
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
Dup (8/20/92)	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/15/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/22/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	<51	<10	<10	<10	<10	
12/13/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/06/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/13/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/19/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-2

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	11	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	9.5	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	8.3	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	4.8	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	28	<0.94	<0.68	<0.96	<0.42
3/6/00	1.8	<1.5	<1.1	<1.2	666	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	<0.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	4.9	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	1.8	<1.7	<1.4	<2.0	<2.2
3/28/01	3.8	<1.5	<1.1	<1.2	984	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	1.9	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	69	<1.7	<1.4	<2.0	<2.2
12/3/01	5.0	<2.2	<3.9	<3.3	1100	<3.8	<3.5	<2.8	<3.9
3/18/02	<31	<36	<33	<31	930	<21	<29	<28	<27
6/25/02	<3.1	<3.6	<3.3	<3.1	54	<2.1	<2.9	<2.8	<2.7

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


PIEZOMETER		DPZ-3								Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
WDNR ES	40				1.4					
06/03/92	<11	<11	<11	<11	2000	<11	<11	<11	<11	
08/20/92	<10	<10	<10	<10	2100	<10	<10	<10	<10	
12/20/94	<100	<100	<100	<100	1500	<100	<100	<100	<100	
Dup (12/20/94)	<100	<100	<100	<100	1500	<100	3	<20	<100	
03/14/95	<100	<100	<100	<100	1800	<100	<100	<100	<100	
Dup (3/14/95)	8	<20	<20	<20	1600	<20	<10	<10	<20	
06/20/95	<11	<11	<11	<11	1500	<11	<11	<11	<11	
Dup (6/20/95)	<10	<10	<10	<10	1400	<10	<10	<10	<10	
09/12/95	8	<10	<10	<10	1200	<10	2	<100	<10	
12/14/95	<100	<100	<100	<100	940	<100	<100	<20	<100	
03/06/96	<20	<20	<20	<20	210	<20	<20	<10	<20	
06/13/96	<10	<10	<10	<10	<25	<10	<100	<100	<10	
09/18/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
9/10/97	<2.1	<1.5	<1.4	<1.6	15	<0.93	<0.73	<0.92	<0.69	
12/17/97	<2.1	<1.5	<1.4	<1.6	<2.4	<0.98	<0.72	<0.91	<0.69	
3/11/98	<2.5	<2.2	<2.2	<2.5	<3.2	<2.7	<2.5	<2.5	<2.5	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-3

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	8.8	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	4.3	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	36	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	369	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	318	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	1.4	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	54	<1.7	<1.4	<2.0	<2.2
12/27/00	<2.8	<2.9	<2.2	<2.4	72	<3.4	<2.8	<4.0	<4.4
3/28/01	<1.4	<1.5	<1.1	<1.2	257	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	68	<1.7	<1.4	<2.0	<2.2
12/3/01	5.4	<2.2	<3.9	<3.3	510	<3.8	<3.5	<2.8	<3.9
3/18/02	<31	<36	<33	<31	480	<21	<29	<28	<27
6/25/02	<3.1	<3.6	<3.3	<3.1	37	<2.1	<2.9	<2.8	<2.7

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


PIEZOMETER		DPZ-4								Comments
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	
W/DNR/ES	40				1.0					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	-	-	NS
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/15/95	<37	<37	<37	<37	47	<37	<37	<37	<37	
06/21/95	-	-	-	-	-	-	-	-	-	NS
09/13/95	-	<10	<10	<10	56	<10	<10	<10	<10	
12/13/95	-	<10	<10	<10	70	<10	<10	<10	<10	
03/06/96	-	-	-	-	-	-	-	-	-	NS
06/13/96	<10	<10	<10	<10	12	<10	<10	<10	<10	
09/18/96	<10	<10	<10	<10	12	<10	<10	<10	<10	
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
09/10/97	<2.0	<1.4	<1.3	<1.5	10	<0.94	<0.69	<0.87	<0.66	
12/17/97	-	-	-	-	-	-	-	-	-	DRY
03/11/98	<2.4	<2.1	<2.3	<2.4	11	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-4

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	19	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	16	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	22	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	5.1	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	12	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	0.84	<0.82	9.9	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	27	<1.7	<1.4	<2.0	<2.2
6/30/00	<1.4	<1.5	<1.1	<1.2	6.9	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	7.6	<1.7	<1.4	<2.0	<2.2
12/27/00	Not Sampled								
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	5.2	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	325	<1.7	<1.4	<2.0	<2.2
12/3/001	0.34	<0.22	<0.39	<0.33	<2.1	<0.38	<0.35	<0.28	<0.39
3/18/02	<3.1	<3.6	<3.3	<3.1	7.3	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	7.9	<2.1	<2.9	<2.8	<2.7

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

PIEZOMETER DPZ-5										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
06/03/92	-	-	-	-	-	-	-	-	-	
08/20/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/20/94	<10	<10	<10	<10	220	<10	<10	<10	<10	
03/14/95	<10	<10	<10	<10	170	<10	<10	<10	<10	
Dup (3/14/95)	<20	<20	<20	<20	180	<20	<20	<20	<20	
06/21/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	180	<10	<10	<10	<10	
12/14/95	<10	<10	<10	<10	130	<10	<10	<10	<10	
3/6/96	<10	<10	<10	<10	120	<10	<10	<10	<10	
6/12/96	<10	<10	<10	<10	86	<10	<10	<10	<10	
9/18/96	<10	<10	<10	<10	70	<10	<10	<10	<10	
12/17/96	<10	<10	<10	<10	4.5	<10	<10	<10	<10	
3/18/97	<2.0	<1.4	<1.3	<1.5	<2.3	<0.94	<0.69	<0.87	<0.66	
9/10/97	<2.0	<1.4	<1.3	<1.5	<2.3	<0.94	<0.69	<0.87	<0.66	
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results


DPZ-5

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
3/30/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
3/6/00	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
9/27/00	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
12/27/00	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<1.4	<1.5	<1.1	<1.2	16	<1.7	<1.4	<2.0	<2.2
12/3/010	<0.29	<0.22	<0.39	<0.33	<2.1	<0.38	<0.35	<0.28	<0.39
3/18/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7
6/25/02	<3.1	<3.6	<3.3	<3.1	6.3	<2.1	<2.9	<2.8	<2.7

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY SVOC Analytical Results

PIEZOMETER		DPZ-6								
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDR ES	40				EP					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	-	-	NS
12/20/94	<20	<20	<20	<20	470	<20	<20	<20	<20	
03/14/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/20/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/13/95	<10	<10	<10	<10	<50	<10	<10	<10	<10	
12/13/95	-	-	-	-	-	-	-	-	-	NS
03/06/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/12/96	-	-	-	-	-	-	-	-	-	NS
09/18/96	-	-	-	-	-	-	-	-	-	NS
12/17/96	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	NS
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

 = ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

DPZ-6

Date Sampled	Naphthalene µg/L	Acenaphthylene µg/L	Acenaphthene µg/L	Fluorene µg/L	Pentachlorophenol µg/L	2-Methylphenol µg/L	Phenanthrene µg/L	Fluoranthene µg/L	Pyrene µg/L
WDNR ES	40			400	1.0			400	250
9/15/98	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/2/98	Not Sampled								
3/30/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
6/10/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
9/20/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	<0.42
12/3/99	<0.70	<0.66	<0.84	<0.82	<0.90	<0.94	<0.68	<0.96	0.50
3/6/00	Not Sampled								
9/27/00	<1.4	<1.5	<1.1	<1.2	9.6	<1.7	<1.4	<2.0	<2.2
12/27/00	Not Sampled								
3/28/01	<1.4	<1.5	<1.1	<1.2	<0.90	<1.7	<1.4	<2.0	<2.2
6/27/01	<1.4	<1.5	<1.1	<1.2	<1.7	<1.7	<1.4	<2.0	<2.2
9/24/01	<3.5	<3.7	<2.8	<3.0	<4.3	<4.3	<3.6	<5.0	<5.5
12/3/01	Not Sampled								
3/18/02	<3.1	<3.6	<3.3	<3.1	<2.8	<2.1	<2.9	<2.8	<2.7
6/25/02	Not Sampled								

= ES exceedance

SEMI-VOLATILE GROUND WATER ANALYTICAL RESULTS

Weisenberger Tie and Lumber Company

Marathon City, Wisconsin

PUMPING WELL DPW-1										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40	-	-	-	1.0	-	-	-	-	
6/16/97	-	-	-	-	6.2	-	-	-	-	
12/17/97	-	-	-	-	43.0	-	-	-	-	
3/11/98	-	-	-	-	47.0	-	-	-	-	
06/23/98	<2.4	<2.1	<2.3	<2.4	6.3	<2.6	<2.4	<2.4	<2.4	

PUMPING WELL DPW-2										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40	-	-	-	1.0	-	-	-	-	
6/24/97	-	-	-	-	2900	-	-	-	-	
12/17/97	-	-	-	-	1400	-	-	-	-	
3/11/98	-	-	-	-	530	-	-	-	-	
06/23/98	12	<2.1	<2.3	4.5	910	<2.6	2.7	<2.4	<2.4	

PUMPING WELL DPW-3										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40	-	-	-	1.0	-	-	-	-	
6/16/97	-	-	-	-	3800	-	-	-	-	
12/17/97	-	-	-	-	3300	-	-	-	-	
3/11/98	-	-	-	-	2500	-	-	-	-	
06/23/98	<2.4	<2.1	2.9	2.6	4100	<2.6	<2.4	<2.4	<2.4	

PUMPING WELL DPW-4										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	40	-	-	-	1.0	-	-	-	-	
6/16/97	-	-	-	-	3400	-	-	-	-	
12/17/97	-	-	-	-	2800	-	-	-	-	
3/11/98	-	-	-	-	3000	-	-	-	-	
06/23/98	<2.4	<2.1	<2.3	<2.4	470	<2.6	<2.4	<2.4	<2.4	

NOTES:

ug/L = micrograms per liter

- = no analysis

Penta. = Pentachlorophenol

Shaded value = NR 140 ES exceedance

NS = not sampled

SEMI-VOLATILE GROUND WATER ANALYTICAL RESULTS

Weisenberger Tie and Lumber Company

Marathon City, Wisconsin

PUMPING WELL DPW-5										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	41	-	-	-	1.9	-	-	-	-	
6/16/97	-	-	-	-	<2.3	-	-	-	-	
12/17/97	-	-	-	-	-	-	-	-	-	NA
3/11/98	-	-	-	-	-	-	-	-	-	NA
06/23/98	-	-	-	-	-	-	-	-	-	NA

PUMPING WELL DPW-6										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	41	-	-	-	1.9	-	-	-	-	
6/16/97	-	-	-	-	<2.3	-	-	-	-	
12/17/97	-	-	-	-	-	-	-	-	-	NA
3/11/98	-	-	-	-	-	-	-	-	-	NA
06/23/98	-	-	-	-	-	-	-	-	-	NA

PUMPING WELL DPW-7										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	41	-	-	-	1.9	-	-	-	-	
6/16/97	-	-	-	-	<2.3	-	-	-	-	
12/17/97	-	-	-	-	-	-	-	-	-	NA
3/11/98	-	-	-	-	-	-	-	-	-	NA
06/23/98	-	-	-	-	-	-	-	-	-	NA

PUMPING WELL DPW-8										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
WDNR ES	41	-	-	-	1.9	-	-	-	-	
6/16/97	-	-	-	-	2.4	-	-	-	-	
12/17/97	-	-	-	-	<2.4	-	-	-	-	
3/11/98	-	-	-	-	-	-	-	-	-	NA
06/23/98	-	-	-	-	-	-	-	-	-	NA

NOTES:

ug/L = micrograms per liter

- = no analysis


Penta. = Pentachlorophenol

Shaded value = NR 140 ES exceedance

NS = not sampled

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL MW-2										
Date Sampled (mm/dd/yy)	Naphthalene (ug/L)	Acenaphthylene (ug/L)	Acenaphthene (ug/L)	Fluorene (ug/L)	Penta. (ug/L)	2-Methylphenol (ug/L)	Phenanthrene (ug/L)	Fluoranthene (ug/L)	Pyrene (ug/L)	Comments
06/03/92	<10	<10	<10	<10	<50	<10	<10	<10	<10	
08/20/92	<12	<12	<12	<12	<58	<12	<12	<12	<12	
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	<11	<11	<11	<11	<26	<11	<11	<11	<11	
06/20/95	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/12/95	<11	<11	<11	<11	<53	<11	<11	<11	<11	
12/13/95	<10	<10	<10	<10	<10	<10	<25	<10	<10	
03/06/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
06/12/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
09/18/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
12/17/96	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/18/97	<2.0	<1.4	<1.3	<1.5	<2.3	<0.94	<0.69	<0.87	<0.66	
12/17/97	-	-	-	-	-	-	-	-	-	NS
03/11/98	-	-	-	-	-	-	-	-	-	NS
06/23/98										

 = ES exceedance

MONITORING WELLS DOXIN/FURAN ANALYSIS

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-2

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8- TCDD	1,2,3,7,8- PeCDD	1,2,3,4,7,8- HxCDD	1,2,3,6,7,8- HxCDD	1,2,3,7,8,9- HxCDD	1,2,3,4,6,7,8- HpCDD	1,2,3,4,6,7,8,9- OCDD	2,3,7,8- TCDF	1,2,3,7,8- PeCDF	2,3,4,7,8- PeCDF	1,2,3,4,7,8- HxCDF	1,2,3,6,7,8- HxCDF	2,3,4,6,7,8- HxCDF	1,2,3,7,8,9- HxCDF	1,2,3,4,6,7,8- HpCDF	1,2,3,4,7,8,9- HpCDF		1,2,3,4,6,7,8,9- OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
1/19/1993	0	0	0	0	0	31	489	0	0	0	0	0	3.1	0	0	0	0	1.11

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-3

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF		
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	12.4	528	44	11970	71770	8.50	24	20	66	24.4	43.8	0	970	82	6190	291.91
12/23/1999	<1.5	<2.2	<3.6	19	<3.3	410	3500	<1.1	<2.3	<1.6	<2.8	<3.5	3.7	<4.4	<3.2	<4.6	300	10.17
3/6/2000	<8.0	<8.0	<12	28	<9.6	500	4200	10	<9.4	<6.6	<9.3	<9.2	<13	<8.2	41	<9.4	370	13.78
6/30/2000	<3.2	<9.2	<19	37	<22	590	5200	<2.4	<3.0	<8.8	<13	<8.3	<5.7	<7.2	69	<11	420	15.91
9/27/2000	<8.1	<7.3	<11	13	<11	190	1800	<3.9	<4.9	<5.0	<4.1	11	<3.8	<5.0	<8.9	<10	94	6.19
3/28/2001	<4.2	<4.1	5.3	36	<1.9	710	5700	<3.1	<2.7	<2.7	9.2	<3.0	<1.6	<1.4	69	5.9	510	19.11
6/27/2001	<4.7	<9.5	<9.5	12	<9.5	220	2000	<3.0	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	14	<14	170	5.71
9/24/2001	<1.9	<9.4	<9.4	15	<9.4	340	2700	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	38	<9.4	220	8.20
12/03/2001	<1.9	<9.5	<9.5	12	<9.5	200	1800	<1.9	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	24	<9.5	100	5.34
03/18/2002	<1.9	<9.4	<9.4	47	<9.4	800	6100	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	78	<9.4	480	20.06
6/25/2002	<2.3	<10	<10	26	<10	440	3500	<2.4	<10	<10	<10	<10	<10	<10	48	<10	310	11.29

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-5

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	1.3	0	34.6	685	0	0	0	0	0	3.0	0	0	0	5.5	1.47
6/30/2000	<4.3	<8.5	<5.6	<5.6	<5.1	16	240	<4.1	<3.7	<3.9	<3.8	<3.6	<3.4	<4.4	<4.1	<5.5	<9.7	0.40
9/27/2000	<10	<5.2	<3.8	<5.7	<3.5	12	150	<5.6	<3.6	<2.9	<3.2	<2.4	<4.1	<4.6	<4.1	<3.4	<8.9	0.27
12/27/2000	<9.1	<2.8	<2.1	<3.2	<2.6	5.2	250	<5.8	<3.6	<2.6	<2.1	<2.3	<2.4	<3.0	6.5	<4.1	9.6	0.38
3/28/2001	<4.7	<2.6	<2.8	<3.1	<2.0	8.4	300	<3.6	<2.5	<1.7	<1.8	<2.4	<2.3	<1.6	<1.2	<1.2	<2.3	0.38
6/27/2001	<6.1	<9.5	<9.5	<9.5	<9.5	<16	130	<4.6	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<13	<11	<39	0.13

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-6

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
1/19/1993	0	0	0	0	0	39	763	0	0	0	0	0	0	3.9	0	0	0	1.55
6/30/2000	<0.75	<0.41	<0.62	7.2	2.7	100	1100	<0.6	<0.46	<0.59	<0.64	<0.41	1.3	<0.24	19	<2.0	110	3.52
9/27/2000	<9.4	<9.9	<13	<14	<6.8	120	1200	<7.9	<7.0	<4.2	<13	18	<11	<4.6	17	<8.0	120	4.49
12/27/2000	<4.9	<2.5	<3.0	51	6.5	1200	12000	<3.3	4.8	<1.4	14.0	<4.1	<1.2	<1.4	<2.1	17	1500	33.06
3/28/2001	<6.1	<2.6	19	95	9.6	2100	21000	<4.0	<9.0	<2.7	41	12	10	7.1	290	26	2300	66.83
6/27/2001	<8.1	<9.5	<9.5	<9.5	<9.5	200	2100	<5.2	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	450	<16	240	8.84
9/24/2001	<1.9	<9.5	<9.5	13	<9.5	420	4400	<1.9	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	51	<9.5	390	10.80
12/03/2001	<4.1	19	27	49	48	650	3000	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	44	<9.4	220	32.06
3/18/2002	<1.9	<9.4	<9.4	37	<9.4	730	6900	<1.9	<9.4	<9.4	10	<9.4	<9.4	<9.4	98	11	730	20.72
6/25/2002	<2.0	<10	<10	15	<10	280	2600	<2.0	<10	<10	<10	<10	<10	<10	34	<10	270	7.51

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-7

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
12/23/1999	<3.0	<2.5	<2.3	12	<2.2	230	2100	<1.7	<1.0	<1.5	<2.0	<2.0	4.50	<1.9	25	<2.9	240	6.54
3/6/2000	<3.9	<5.4	<14	230	16	530	70000	<2.8	<11	<4.2	<14	<9.4	<10	<4.9	610	56	7200	113.76
6/30/2000	<0.34	4.9	3.5	20	5.9	400	5600	<0.43	1.1	<0.35	<0.41	1.5	3.4	2.0	55	7.6	480	16.84
9/27/2000	NO SAMPLE																	
12/27/2000	<3.9	<2.4	<2.0	60	4.5	1500	15000	<2.0	3.0	5.3	10.0	<3.8	9.3	5.2	<0.86	14	1300	43.14
3/28/2001	NO SAMPLE																	
6/27/2001	<6.4	<9.5	<9.5	21	<9.5	610	6600	<2.9	<9.5	<9.5	<9.5	<10	<9.5	<9.5	720	<14	510	22.51
9/24/2001	<1.9	<9.4	<9.4	16	<9.4	440	4800	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	56	<9.4	410	11.77
12/03/2001	<1.9	<9.4	<9.4	34	<9.4	750	6400	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	68	<9.4	540	18.52
3/18/2002	<1.9	<9.4	15	100	10	2500	25000	<1.9	<9.4	<9.4	21	<9.4	<9.4	<9.4	230	26	2000	69.16
6/25/2002	<2.0	<10	<10	29	<10	1200	17000	<2.0	<10	<10	<10	<10	<10	<10	130	11	1600	34.91

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-10

Date Sampled	Compound (pg/g)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
1/19/1993	0	0	244	183	12.3	3190	18380	3.50	8.1	6.2	23.5	7.0	17.4	3.3	148	9.20	541	105.30
12/23/1999	<3.5	<6.4	110	6100	240	82000	500000	<9.9	290	210	510	<8.4	220	330	5600	300	21000	2270.50
3/6/2000	<7.5	<7.3	<25	2200	120	35000	240000	<11	<8.0	99	<33	<35	120	23	2100	160	10000	918.40
6/30/2000	1.1	7.9	11	170	17	2100	16000	2.2	7.1	12	<0.73	7.0	6.8	10	160	10	570	73.08
9/27/2000	<2.7	<3.1	<3.4	47	<2.0	700	4500	<1.8	<1.6	<2.0	4.3	4.8	<5.1	<1.2	44	<1.6	130	17.68
12/27/2000	<2.2	6.2	12	2700	110	34000	190000	38	92	170	280	<0.47	200	170	<1.1	110	4000	978.80
3/28/2001	NO SAMPLE																	
6/27/2001	<5.3	<9.5	<9.5	260	25	4200	26000	5.6	15	21	35	<9.5	21	22	730	<14	380	123.79
9/24/2001	<1.9	<9.5	<9.5	74	<9.5	1300	8000	<1.9	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	65	<9.5	190	29.24
12/03/2001	<1.9	<9.4	23	2100	87	29000	180000	25	69	130	170	76	140	130	1700	100	4600	836.15
3/18/2002	<1.9	20	1200	6700	430	120000	710000	75	<9.6	320	650	120	320	<9.6	6900	350	19000	3121.00
6/25/2002	<2.0	18	<10	7000	360	89000	520000	64	240	360	670	240	250	420	5200	260	11000	2577.00

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-1

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	1010	103	33320	248820	14.3	66.1	39.3	181	63.1	212	187	2610	416	21540	834
3/6/2000	<6.4	37	97	5200	290	100000	850000	<5.0	<3.1	<3.4	<14	<17	350	73	11000	1000	90000	2680
6/30/2000	<9.4	<5.5	510	19000	970	190000	150000	140	<48	980	1700	590	<19	1400	41000	3800	60000	5479
9/27/2000	<8.8	<7.7	<7.5	3300	140	71000	610000	32	<1.6	250	590	150	350	64	8100	670	59000	2054
3/28/2001	<5.7	36	140	12000	790	210000	1100000	100	110	860	4700	720	1400	870	29000	2600	100000	6142
6/27/2001	<2.8	49	220	21000	1100	300000	1300000	170	660	690	2200	7800	2300	1600	290000	4000	110000	11392
9/24/2001	<1.9	230	<95	46000	3500	690000	2600000	460	2300	3600	11000	3600	5900	3500	110000	12000	270000	20416
12/03/2001	2.0	36	410	16000	770	310000	2200000	120	480	1200	20	700	1600	1200	32000	2900	220000	8595
03/19/2002	NO SAMPLE																	
06/25/2002	<2.0	22	<10	7600	460	150000	1300000	52	240	560	850	260	440	500	17000	1500	190000	4494

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-2

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
3/6/2000	<3.6	<3.6	<4.8	<4.4	<5.3	80	660	<3.0	<4.4	<3.2	<5.3	<4.1	<5.3	<2.6	10	<4.0	65	1.63
6/30/2000	<3.3	9.5	8.2	17	10	260	2400	<2.9	<5.5	<4.7	<11	<3.0	<2.6	<2.2	<12	<11	200	13.47
12/27/2000	NO SAMPLE																	
3/28/2001	<4.5	<2.9	<3.3	<3.0	<1.3	22	290	<3.7	<1.6	<1.5	<1.9	<1.2	<2.2	<2.7	2.6	<2.8	11	0.55
6/27/2001	<8.9	<9.5	<9.5	<9.5	<9.5	150	2300	<5.3	<9.5	<9.5	<9.5	<9.5	<9.5	<11	170	<27	280	5.78
9/24/2001	NO SAMPLE																	
12/03/2001	<1.9	<9.4	<9.4	<9.4	<9.4	110	1200	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	16	<9.4	75	2.54
03/18/2002	NO SAMPLE																	
06/25/2002	<2.0	<10	<10	<10	<10	42	500	<2.0	<10	<10	<10	<10	<10	<10	<10	<10	31	0.95

I-TEF/89 = International Toxicity Equivalent Factors/1989
 I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-3

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
9/24/2001	NO SAMPLE																	
12/03/2001	NO SAMPLE																	
03/18/2002	NO SAMPLE																	
06/25/2002	<2.0	<10	<10	<10	<10	18	170	<2.0	<10	<10	<10	<10	<10	<10	<10	<10	<20	0.35

I-TEF/89 = International Toxicity Equivalent Factors/1989
 I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-4

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	7.3	65.5	13.8	1950	13990	2.30	2.60	3.1	14.2	3.9	7.9	0	178	21	1340	49.99
6/30/2000	<4.8	21	18	140	40	1600	15000	<3.3	<19	<30	<8.7	<21	29	14	190	51	1300	69.31
9/27/2000	<11	<10	33	270	55	4800	33000	<13	<10	<8.2	38	16	49	25	500	55	2800	138
12/27/2000	NO SAMPLE																	
3/28/2001	<3.0	14	41	280	42	4000	31000	<4.4	<16	23	42	42	47	19	580	52	4000	151.12
6/27/2001	<7.9	<31	<36	64	<37	810	6700	<8.8	<22	<10	<21	<24	<24	<37	760	<17	550	29.35
9/24/2001	<1.9	<9.5	<9.5	28	12	880	6400	<1.9	<9.5	<9.5	<9.5	18	<9.5	<9.5	130	<9.5	660	22.96
12/03/2001	<1.9	10	44	280	80	6300	64000	2.90	9.6	20	47	20	37	20	850	88	520	205.47
03/18/2002	NO SAMPLE																	
6/25/2002	<2.0	<10	14	100	19	2000	21000	<2.0	<10	<10	12	<10	<10	<10	260	24	2000	60.34

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-5

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
1/19/1993	0	0	0	5.7	0	123	907	0	0	0	0	0	5.4	0	14.2	0	41.1	3.43
6/30/2000	<2.3	<1.6	<2.9	<2.4	<2.9	14	100	<1.1	<1.3	<1.3	<1.9	<2.1	<1.7	<1.8	<5.1	<10	11	0.25
9/27/2000	<18	<13	<20	<15	<14	290	2400	<11	<10	<7.9	<12	6.3	<18	<18	46	<26	200	6.59
3/28/2001	NO SAMPLE																	
6/27/2001	<4.7	<32	<36	<30	<41	290	1600	<4.7	<19	<12	<9.6	<9.4	<13	<29	190	<26	130	6.53
9/24/2001	<1.9	<9.5	<9.5	28	12	880	6400	<1.9	<9.5	<9.5	<9.5	18	<9.5	<9.5	130	<9.5	660	22.96
12/03/2001	NO SAMPLE																	
03/18/2002	NO SAMPLE																	
06/25/2002	<2.0	<10	<10	<10	<10	21	140	<2.0	<10	<10	<10	<10	<10	<10	<10	<10	<2.0	0.35

I-TEF/89 = International Toxicity Equivalent Factors/1989
 I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-6A

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	5.80	0	250	3170	0	0	0	0	0	3.9	0	17.90	2.90	304	7.15
6/30/2000	<5.2	15	13	38	16	970	13000	<2.9	<3.1	<2.2	<4.5	<13	<8.9	<5.1	100	<37	1200	39.10
12/27/2000	NO SAMPLE																	
3/28/2001	NO SAMPLE																	
6/27/2001	<7.4	<25	<33	<43	<36	90	580	<4.8	<19	<20	<21	<20	<15	<31	35	<35	38	1.87
9/24/2001	<1.9	<9.5	<9.5	86	<9.5	3700	44000	<1.9	<9.5	<9.5	12	47	22	<9.5	420	40	4300	106.60
12/03/2001	NO SAMPLE																	
03/18/2002	<2.9	<9.5	<9.5	47	<9.5	1700	22000	<2.9	<9.5	<9.5	<9.5	<9.5	14	<9.5	170	22	1900	48.92
06/25/2002	<2.0	<10	<10	23	<10	730	8700	<2.0	<10	<10	<10	<10	<10	<10	80	12	700	19.92

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-7

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8,9-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	0	0	22.7	312	0	0	0	0	0	0	0	0	0	0	0.54
12/27/2000	<6.5	<5.5	<3.5	<2.9	<3.7	18	250	<5.4	<3.7	<3.7	18	<1.5	<2.3	<3.2	<1.4	<2.1	21	2.25
3/28/2001	<4.8	<1.8	<3.7	<3.6	<3.3	4.9	38	<2.9	<3.5	<2.4	<1.4	<1.5	<1.0	<1.9	<1.9	<1.6	<4.8	0.09
6/27/2001	<5.6	<4.5	<4.8	<4.2	<3.5	<4.6	<63	<4.9	<2.3	<1.7	<2.7	<2.2	<1.8	<1.6	<2.4	<3.1	<3.1	0.00
9/24/2001	<1.9	<9.5	<9.5	<9.5	<9.5	68	560	<1.9	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	33	<9.5	150	1.72
12/03/2001	<1.9	<9.4	<9.4	<9.4	<9.4	39	280	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	32	0.70
03/18/2002	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	65	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<19	0.07
06/25/2002	<2.0	<10	<10	<10	<10	16	160	<2.0	<10	<10	<10	<10	<10	<10	<10	<10	29	0.35

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-8

Date Sampled	Compound (pg/l)																	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	I-TEQ/89 2,3,7,8-TCDD
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	0	0	152	2750	0	0	0	0	0	12.6	0	0	0	58.2	5.59
12/27/2000	<6.9	<3.1	<3.3	<3.1	<2.4	7.1	49	<4.7	<3.6	<1.7	<2.2	<2.3	<1.4	<1.7	5	<1.7	9.1	0.18
3/28/2001	<7.6	<5.5	<3.8	<2.4	<1.3	4.0	19	<5.7	<3.7	<2.2	<1.5	<2.5	<1.8	<0.74	<1.1	<1.7	4.0	0.06
6/27/2001	<8.4	<28	<32	<24	<33	<33	<42	<4.9	<20	<18	<22	<19	<16	<21	<30	<34	<33	0.00
9/24/2001	<1.9	<9.5	<9.5	<9.5	<9.5	16	150	<1.9	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	32	0.34
12/03/2001	6.6	28	37	52	58	590	1400	<1.9	<9.5	<9.5	14	11	16	<9.5	100	9.8	76	47.87
03/18/2002	<2.0	<9.4	<9.4	<9.4	<9.4	<9.4	54	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<19	0.05
06/25/2002	<2.0	<10	<10	<10	<10	30	380	<2.0	<10	<10	<10	<10	<10	<10	<10	<10	75	0.76

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-10

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8- TCDD	1,2,3,7,8- PeCDD	1,2,3,4,7,8- HxCDD	1,2,3,6,7,8- HxCDD	1,2,3,7,8,9- HxCDD	1,2,3,4,6,7,8- HpCDD	1,2,3,4,6,7,8,9- OCDD	2,3,7,8- TCDF	1,2,3,7,8- PeCDF	2,3,4,7,8- PeCDF	1,2,3,4,7,8- HxCDF	1,2,3,6,7,8- HxCDF	2,3,4,6,7,8- HxCDF	1,2,3,7,8,9- HxCDF	1,2,3,4,6,7,8- HpCDF	1,2,3,4,7,8,9- HpCDF		1,2,3,4,6,7,8,9- OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
1/19/1993	0	0	0	0	0	28.7	449	0	0	0	0	0	3.1	0	0	0	6.4	1.05

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-13

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
12/23/1999	<6.6	<5.6	<6.7	<7.1	<6.3	<6.4	26	<3.2	<4.7	<3.6	<2.9	<2.8	<4.5	<4.4	<5.2	<4.1	<6.2	0.03
3/6/2000	<12	<12	<13	<12	<11	<12	44	<8.0	<8.8	<7.3	<7.0	<6.3	<6.4	<16	<6.3	<15	<21	0.04

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-1

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	1750	159	54270	385020	21.2	83.6	73.1	245	96.5	150	0	4050	392	34250	1289.29
12/23/1999	<2.8	<3.3	<4.1	<4.0	<3.8	50	470	<2.3	<2.4	<1.6	<1.5	<1.1	<2.3	<1.9	6	<3.0	42	1.07
3/6/2000	<17	<17	<9.8	55	<11	1100	10000	14	<5.3	<14	<11	<12	<11	<16	86	12	970	29.85
6/30/2000	<3.0	<2.9	<3.4	56	5.0	1200	11000	<4.7	<3.0	<3.7	<4.0	<3.2	6.0	4.6	120	13	890	32.38
9/27/2000	<5.2	<3.4	<6.9	74	<4.7	2100	22000	<3.3	<3.8	7.8	8.0	<3.2	11	<4.5	210	18	1700	60.18
12/27/2000	<2.7	<4.7	<1.6	260	12	5500	51000	<1.7	14	21	37	<2.0	33	17	<4.0	43	4200	157.73
3/28/2001	<4.0	<3.0	12	110	6.0	2600	25000	<3.2	<6.1	7.2	15	11	12	6.3	300	20	2300	77.33
6/27/2001	<5.4	<13	<9.5	93	<22	1800	19000	<6.8	<13	<14	10	10	<11	<11	1300	29	1400	62.99
9/24/2001	<1.9	<9.5	<9.5	81	<9.5	2100	19000	<1.9	<9.5	<9.5	<9.5	27	12	<9.5	250	14	1800	56.44
12/03/2001	<1.9	<9.4	<9.4	30	<9.4	720	6900	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	76	<9.4	590	18.45
3/18/2002	<1.9	<9.4	<9.4	41	<9.4	1000	11000	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	110	9.8	870	27.17
6/25/2002	<1.9	<9.4	<9.4	70	<9.4	1600	17000	<1.9	<9.4	<9.4	11	<9.4	<9.4	<9.4	180	15	1700	44.75

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-1a

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	0	0	121	0	0	0	0	0	0	0	0	10.7	0	52.6	1.37

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-2

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
12/23/1999	<4.3	<4.5	<5.9	<5.4	<5.4	<8.3	140	<2.8	<3.1	<4.3	<1.9	<2.1	<5.8	<8.9	<5.1	<8.1	25	0.17
3/6/2000	<3.0	<4.5	<5.1	<4.7	<4.8	<4.4	25	<2.6	<4.1	<3.1	<2.6	<1.9	<2.5	<3.9	<3.2	<2.6	<4.6	0.03

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-3

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	0	0	45.9	633	0	0	0	2.1	0	4.2	0	3.8	0	18.1	1.78
12/27/2000	<7.1	<3.6	<3.1	<2.6	<3.4	21	450	<5.9	<3.3	<2.7	<3.4	<3.8	<2.0	<2.5	<1.8	<2.9	29	0.69
3/28/2001	<5.0	<3.3	<1.2	<2.3	<1.9	20	530	<3.3	<2.0	<1.6	<2.2	<2.3	<1.9	<1.2	7.8	<2.1	19	0.83
6/27/2001	<6.7	<17	<15	<17	<15	<27	200	<5.0	<14	<9.6	<10	<11	<9.7	<13	<13	19	<19	0.39

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-4

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
12/23/1999	<18	<14	<12	<16	<14	23	190	<6.9	<10	<8.6	<12	<12	<6.1	<11	<26	<22	<27	0.42
3/6/2000	<9.2	<6.4	<7.3	<7.1	<8.6	11	56	<4.9	<8.7	<5.3	<2.7	<5.4	<6.2	<5.8	<5.9	<8.3	11	0.18

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-5

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		1,2,3,4,6,7,8,9-OCDF
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
8/20/1992	0	0	0	0	0	23.2	309	0	0	0	0	0	0	0	0	0	0	0.54

I-TEF/89 = International Toxicity Equivalent Factors/1989

I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-6

Date Sampled	Compound (pg/l)																I-TEQ/89 2,3,7,8-TCDD	
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF		
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
12/23/1999	<2.2	<3.1	<3.0	<3.9	<3.7	<3.3	110	<1.9	<1.7	<1.8	<2.7	<1.8	<1.9	<2.1	3.4	<3.1	12	0.16
12/27/2000	NO SAMPLE																	
3/28/2001	<5.1	<1.4	<4.5	<3.8	<2.2	20	170	<3.8	<2.7	<1.9	<1.6	<1.8	<3.1	<2.0	5.7	<1.4	16	0.44
6/27/2001	<1.9	<13	<25	13	<27	340	3900	<1.9	<10	<9.4	<15	<15	<15	<13	380	<24	320	12.72

I-TEF/89 = International Toxicity Equivalent Factors/1989
 I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detection limit but below quantitation limit

PRIVATE WELL ANALYSIS



WEISENBERGER TIE & LUMBER COMPANY
Private Well Analytical Results

Date Sampled	PCP ($\mu\text{g/L}$)
12/2/98	<0.04
3/30/99	0.3
6/10/99	<0.04
9/20/99	<0.04
12/3/99	<1.0
3/6/00	0.05
6/30/00	<0.04
9/27/00	0.07
12/27/00	0.12
3/28/01	0.20
6/27/01	0.05
9/24/01	<0.04
12/3/01	<0.04
3/18/02	0.08
6/25/02	<0.04

 = Exceedance of WDNR Enforcement Standard of 1.0 $\mu\text{g/L}$

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - Private Well

Date Sampled	Compound (pg/l)																	I-TEQ/89 2,3,7,8-TCDD
	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8,9-OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	
I-TEF/89	1.00	0.50	0.10	0.10	0.10	0.01	0.001	0.10	0.05	0.50	0.10	0.1	0.1	0.1	0.01	0.01	0.001	3.00
9/24/2001	<10	<51	<51	<51	<51	<51	260	<10	<51	<51	<51	<51	<51	<51	<51	<51	<100	0.26
12/3/2001	<9.6	<48	<48	<48	<48	<48	<96	<9.6	<48	<48	<48	<48	<48	<48	<48	<48	<96	
3/18/2002	<9.4	<47	<47	<47	<47	<47	<94	<9.4	<47	<47	<47	<47	<47	<47	<47	<47	<94	
6/25/2002	<9.5	<47	<47	<47	<47	<47	110	<9.5	<47	<47	<47	<47	<47	<47	<47	<47	<95	0.11

I-TEF/89 = International Toxicity Equivalent Factors/1989
 I-TEQ/89 = International Toxicity Equivalents (based on I-TEF/89)

 = Exceedance of I-TEQ/89

 = Results are above detection limit but below quantitation limit

CONTOUR MAPS AND FIELD DATA



SITE NAME: WEISENBERGER TIE & LUMBER

DATE BAILED: 6/25/02

DATE SAMPLED: 6/25/02

By: CSW & BB

METER	True / Actual	True / Actual
PH	7.00 / 7.00	4.00 / 4.00
COND	0 / 0	1413 / 1413

JOB #13551-004

WELL	PVC ELEV.	BOTTOM DEPTH	WATER DEPTH	WATER ELEV.	VOLUME BAILED GALLONS	DISSOLVED OXYGEN	PH	COND	TEMP °C	ODOR	COLOR	TURBID	COMMENTS
IW-3	1252.67	56.50	29.76	1222.91	21.0	0.5	7.10	720	12	Y	N	Y	
MW-5	1239.71	52.95	26.42	1213.29	21.0	1.1	6.62	625	13	Y	N	Y	
IW-6	1249.44	54.75	27.60	1221.84	29.0	0.9	6.47	373	12	N	N	Y	
MW-7	1237.94	30.50	14.76	1223.18	12.0	1.5	6.64	531	11	Y	N	Y	
MW-10	1242.28	22.15	8.58	1233.70	12.0	1.9	6.86	571	14	Y	N	Y	
MW-1	1247.51	18.05	11.82	1235.69	5.0	2.8	6.61	381	11	Y	N	Y	
DMW-2	1246.65	27.30	13.02	1233.63	11.0	1.6	6.47	434	11	Y	N	Y	
MW-3	1241.46	27.95	23.90	1217.56	4.0	1.3	6.61	412	12	Y	N	Y	
MW-4	1241.16	19.00	7.88	1233.28	9.0	0.8	6.55	449	12	Y	N	Y	
DMW-5	1244.86	19.00	7.96	1236.90	9.0	1.5	6.61	538	13	N	N	Y	
MW-6A	1236.89	32.84	26.54	1210.35	5.0	6.9	6.79	293	12	N	N	Y	
DMW-7	1212.19	37.99	13.84	1198.35	8.8 (Dry)	6.8	6.58	264	13	N	N	Y	
MW-8	1210.03	24.80	12.68	1197.35	3.0 (Dry)	5.7	6.58	335	14	N	N	Y	
MW-10	1236.68	30.44	17.66	1219.02	DEPTH ONLY								
DMW-13	1232.93	54.98	10.46	1222.47	17.5 (Dry)	6.4	6.93	379	14	N	N	Y	
DPZ-1	1247.80	52.20	17.06	1230.74	27.0	1.5	6.96	853	14	Y	N	Y	
DPZ-1a	1248.12	110.15	23.74	1224.38	18.0 (Dry)	0.5	6.91	705	13	N	N	Y	
DPZ-2	1240.84	52.20	23.76	1217.08	22.0	2.1	6.62	388	12	N	N	Y	
DPZ-3	1236.65	49.18	27.18	1209.47	17.0	2.5	6.57	478	13	N	N	Y	
DPZ-4	1213.19	72.88	66.00	1147.19	1.5 (Dry)	6.1	6.94	377	14	N	N	Y	
DPZ-5	1209.38	67.86	12.46	1196.92	22.0 (Dry)	1.8	6.62	573	14	N	N	Y	
DPZ-6	1211.56	47.66	46.14	DRY									
EQUIP 1 (DPZ-1)						0.5	7.10	720	12	Y	N	Y	
EQUIP 2 (MW-10)						0.9	6.47	373	12	N	N	Y	
EQUIP B1							6.19	21.2	22	N	N	N	
EQUIP B2							6.15	15.4	23	N	N	N	
EQUIP B													
BK859 (PRIVATE WELL)							6.31	234	14	N	N	N	

MW-1

PW-2 DMW-9

PW-4 MW-2

PW-3

1219.02 DMW-10

MW-3 1222.91

1222.47 DMW-13

1233.63 DMW-2

1217.56 DPZ-2 DMW-3

1221.84 MW-6

1235.64 DPW-3 DMW-1

1233.28 DMW-4

1233.70 MW-10

1236.90 DMW-5

1213.29 MW-5 DPW-1

DPW-6

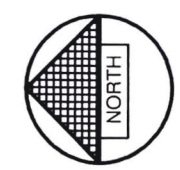
DPZ-4 DMW-7 1198.35

1223.18 MW-1 DPZ-3 DMW-6A

1210.35 DMW-6

DMW-12

DPZ-5 DMW-8 1197.35

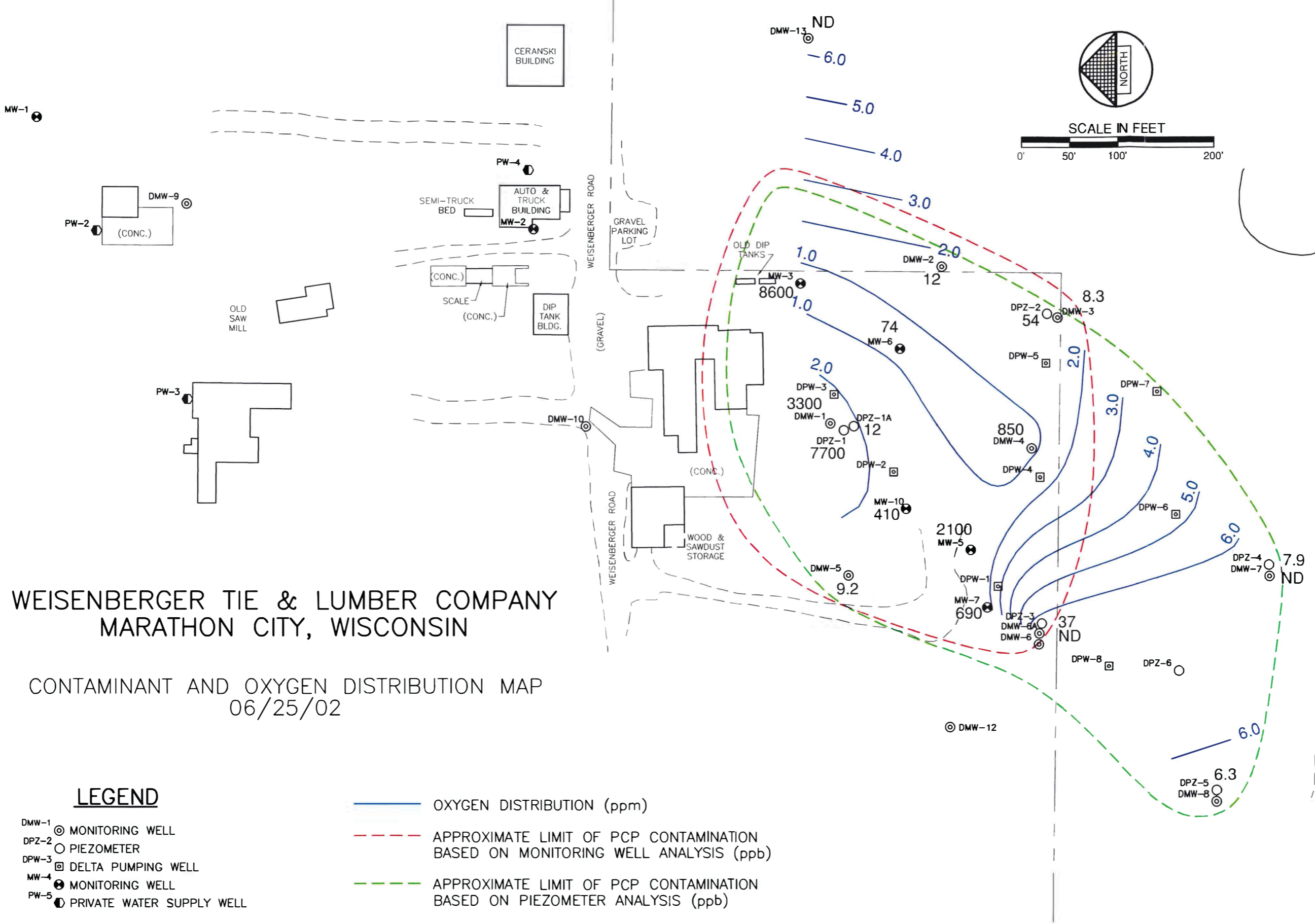


WEISENBERGER TIE & LUMBER COMPANY MARATHON CITY, WISCONSIN

GROUNDWATER CONTOUR MAP 06/25/02

LEGEND

- DMW-1 MONITORING WELL
- DPZ-2 PIEZOMETER
- DPW-3 DELTA PUMPING WELL
- MW-4 MONITORING WELL
- PW-5 PRIVATE WATER SUPPLY WELL



**WEISENBERGER TIE & LUMBER COMPANY
MARATHON CITY, WISCONSIN**

CONTAMINANT AND OXYGEN DISTRIBUTION MAP
06/25/02

LEGEND

- DMW-1 ⊙ MONITORING WELL
- DPZ-2 ○ PIEZOMETER
- DPW-3 □ DELTA PUMPING WELL
- MW-4 ● MONITORING WELL
- PW-5 ● PRIVATE WATER SUPPLY WELL

- OXYGEN DISTRIBUTION (ppm)
- - - APPROXIMATE LIMIT OF PCP CONTAMINATION BASED ON MONITORING WELL ANALYSIS (ppb)
- - - APPROXIMATE LIMIT OF PCP CONTAMINATION BASED ON PIEZOMETER ANALYSIS (ppb)

FIGURE 1

**LABORATORY REPORT
U.S. ANALYTICAL LABORATORY**

MONITORING WELLS

U.S. Analytical Lab

JIM CAINE
 ROBERT E. LEE & ASSOCIATES
 2825 S. WEBSTER AVE.
 GREEN BAY WI 54301-2878

Project # 13551004
 Project Name WEISENBERGER TIE & LUM
 Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code	5041264A					Sample Type	Water		
Sample ID	MW-3					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 165	ug/l	165	550	50	7/2/2002	8270C	DJM	1
Acenaphthylene	< 180	ug/l	180	600	50	7/2/2002	8270C	DJM	1
Anthracene	< 205	ug/l	205	700	50	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 165	ug/l	165	550	50	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 110	ug/l	110	345	50	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 125	ug/l	125	420	50	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 140	ug/l	140	465	50	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 100	ug/l	100	310	50	7/2/2002	8270C	DJM	1
Chrysene	< 150	ug/l	150	500	50	7/2/2002	8270C	DJM	1
o-Cresol	< 105	ug/l	105	345	50	7/2/2002	8270C	DJM	1
m & p-Cresol	< 50	ug/l	50	160	50	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 110	ug/l	110	375	50	7/2/2002	8270C	DJM	1
Fluoranthene	< 140	ug/l	140	465	50	7/2/2002	8270C	DJM	1
Fluorene	< 155	ug/l	155	500	50	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 150	ug/l	150	500	50	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	220 "J"	ug/l	125	425	50	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	250 "J"	ug/l	245	800	50	7/2/2002	8270C	DJM	1
Naphthalene	< 155	ug/l	155	500	50	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	8600	ug/l	1400	4650	500	7/2/2002	8270C	DJM	1
Phenanthrene	< 145	ug/l	145	490	50	7/2/2002	8270C	DJM	1
Pyrene	< 135	ug/l	135	435	50	7/2/2002	8270C	DJM	1

Lab Code	5041264B					Sample Type	Water		
Sample ID	MW-5					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 330	ug/l	330	1100	100	7/2/2002	8270C	DJM	6
Acenaphthylene	< 360	ug/l	360	1200	100	7/2/2002	8270C	DJM	6
Anthracene	< 410	ug/l	410	1400	100	7/2/2002	8270C	DJM	6
Benzo(a)anthracene	< 330	ug/l	330	1100	100	7/2/2002	8270C	DJM	6
Benzo(a)pyrene	< 220	ug/l	220	690	100	7/2/2002	8270C	DJM	6

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264B						Sample Type Water			
Sample ID MW-5						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 250	ug/l	250	840	100	7/2/2002	8270C	DJM	6
Benzo(g,h,i)perylene	< 280	ug/l	280	930	100	7/2/2002	8270C	DJM	6
Benzo(k)fluoranthene	< 200	ug/l	200	620	100	7/2/2002	8270C	DJM	6
Chrysene	< 300	ug/l	300	1000	100	7/2/2002	8270C	DJM	6
o-Cresol	< 210	ug/l	210	690	100	7/2/2002	8270C	DJM	6
m & p-Cresol	< 100	ug/l	100	320	100	7/2/2002	8270C	DJM	6
Dibenzo(a,h)anthracene	< 220	ug/l	220	750	100	7/2/2002	8270C	DJM	6
Fluoranthene	< 280	ug/l	280	930	100	7/2/2002	8270C	DJM	6
Fluorene	< 310	ug/l	310	1000	100	7/2/2002	8270C	DJM	6
Indeno(1,2,3-cd)pyrene	< 300	ug/l	300	1000	100	7/2/2002	8270C	DJM	6
1-Methyl naphthalene	< 250	ug/l	250	850	100	7/2/2002	8270C	DJM	6
2-Methyl naphthalene	< 490	ug/l	490	1600	100	7/2/2002	8270C	DJM	6
Naphthalene	< 310	ug/l	310	1000	100	7/2/2002	8270C	DJM	6
Pentachlorophenol (PCP)	2100	ug/l	280	930	100	7/2/2002	8270C	DJM	6
Phenanthrene	< 290	ug/l	290	980	100	7/2/2002	8270C	DJM	6
Pyrene	< 270	ug/l	270	870	100	7/2/2002	8270C	DJM	6

Lab Code 5041264C						Sample Type Water			
Sample ID MW-6						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/2/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/2/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/2/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/2/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264C							Sample Type Water		
Sample ID MW-6						Sample Date 6/25/2002			
Fluorene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/2/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	74	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/2/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/2/2002	8270C	DJM	1
Lab Code 5041264D							Sample Type Water		
Sample ID MW-7						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 66	ug/l	66	220	20	7/2/2002	8270C	DJM	1
Acenaphthylene	< 72	ug/l	72	240	20	7/2/2002	8270C	DJM	1
Anthracene	< 82	ug/l	82	280	20	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 66	ug/l	66	220	20	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 44	ug/l	44	138	20	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 50	ug/l	50	168	20	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 56	ug/l	56	186	20	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 40	ug/l	40	124	20	7/2/2002	8270C	DJM	1
Chrysene	< 60	ug/l	60	200	20	7/2/2002	8270C	DJM	1
o-Cresol	< 42	ug/l	42	138	20	7/2/2002	8270C	DJM	1
m & p-Cresol	< 20	ug/l	20	64	20	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 44	ug/l	44	150	20	7/2/2002	8270C	DJM	1
Fluoranthene	< 56	ug/l	56	186	20	7/2/2002	8270C	DJM	1
Fluorene	< 62	ug/l	62	200	20	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 60	ug/l	60	200	20	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	220	ug/l	50	170	20	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	270 "J"	ug/l	98	320	20	7/2/2002	8270C	DJM	1
Naphthalene	< 62	ug/l	62	200	20	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	690	ug/l	56	186	20	7/2/2002	8270C	DJM	1
Phenanthrene	< 58	ug/l	58	196	20	7/2/2002	8270C	DJM	1
Pyrene	< 54	ug/l	54	174	20	7/2/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264E						Sample Type Water			
Sample ID MW-10						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 33	ug/l	33	110	10	7/2/2002	8270C	DJM	1
Acenaphthylene	< 36	ug/l	36	120	10	7/2/2002	8270C	DJM	1
Anthracene	< 41	ug/l	41	140	10	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 33	ug/l	33	110	10	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 22	ug/l	22	69	10	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 25	ug/l	25	84	10	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 28	ug/l	28	93	10	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 20	ug/l	20	62	10	7/2/2002	8270C	DJM	1
Chrysene	< 30	ug/l	30	100	10	7/2/2002	8270C	DJM	1
o-Cresol	< 21	ug/l	21	69	10	7/2/2002	8270C	DJM	1
m & p-Cresol	< 10	ug/l	10	32	10	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 22	ug/l	22	75	10	7/2/2002	8270C	DJM	1
Fluoranthene	< 28	ug/l	28	93	10	7/2/2002	8270C	DJM	1
Fluorene	< 31	ug/l	31	100	10	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 30	ug/l	30	100	10	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	59 "J"	ug/l	25	85	10	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 49	ug/l	49	160	10	7/2/2002	8270C	DJM	1
Naphthalene	< 31	ug/l	31	100	10	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	410	ug/l	28	93	10	7/2/2002	8270C	DJM	1
Phenanthrene	< 29	ug/l	29	98	10	7/2/2002	8270C	DJM	1
Pyrene	< 27	ug/l	27	87	10	7/2/2002	8270C	DJM	1

Lab Code 5041264F						Sample Type Water			
Sample ID DMW-7						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/2/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/2/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264F						Sample Type Water			
Sample ID DMW-7						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/2/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/2/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/2/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/2/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/2/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/2/2002	8270C	DJM	1
Lab Code 5041264G						Sample Type Water			
Sample ID DMW-6A						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/2/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/2/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/2/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/2/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264G						Sample Type Water			
Sample ID DMW-6A						Sample Date 6/25/2002			
Fluorene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/2/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/2/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/2/2002	8270C	DJM	1
Lab Code 5041264H						Sample Type Water			
Sample ID DMW-13						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/2/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/2/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/2/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/2/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/2/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	< 2.8	ug/l	2.8	9.3	1	7/2/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/2/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/2/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code	5041264I					Sample Type	Water		
Sample ID	DPZ-1					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 330	ug/l	330	1100	100	7/2/2002	8270C	DJM	1
Acenaphthylene	< 360	ug/l	360	1200	100	7/2/2002	8270C	DJM	1
Anthracene	< 410	ug/l	410	1400	100	7/2/2002	8270C	DJM	1
Benzo(a)anthracene	< 330	ug/l	330	1100	100	7/2/2002	8270C	DJM	1
Benzo(a)pyrene	< 220	ug/l	220	690	100	7/2/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 250	ug/l	250	840	100	7/2/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 280	ug/l	280	930	100	7/2/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 200	ug/l	200	620	100	7/2/2002	8270C	DJM	1
Chrysene	< 300	ug/l	300	1000	100	7/2/2002	8270C	DJM	1
o-Cresol	< 210	ug/l	210	690	100	7/2/2002	8270C	DJM	1
m & p-Cresol	< 100	ug/l	100	320	100	7/2/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 220	ug/l	220	750	100	7/2/2002	8270C	DJM	1
Fluoranthene	< 280	ug/l	280	930	100	7/2/2002	8270C	DJM	1
Fluorene	< 310	ug/l	310	1000	100	7/2/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 300	ug/l	300	1000	100	7/2/2002	8270C	DJM	1
1-Methyl naphthalene	270 "J"	ug/l	250	850	100	7/2/2002	8270C	DJM	1
2-Methyl naphthalene	< 490	ug/l	490	1600	100	7/2/2002	8270C	DJM	1
Naphthalene	< 310	ug/l	310	1000	100	7/2/2002	8270C	DJM	1
Pentachlorophenol (PCP)	7700	ug/l	280	930	100	7/2/2002	8270C	DJM	1
Phenanthrene	< 290	ug/l	290	980	100	7/2/2002	8270C	DJM	1
Pyrene	< 270	ug/l	270	870	100	7/2/2002	8270C	DJM	1

Lab Code	5041264J					Sample Type	Water		
Sample ID	DPZ-1A					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/5/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/5/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/5/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/5/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/5/2002	8270C	DJM	1

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 GREEN BAY WI 54301-2878

Project # 13551004
 Project Name WEISENBERGER TIE & LUM
 Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264J						Sample Type Water			
Sample ID DPZ-1A						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/5/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/5/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/5/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/5/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/5/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/5/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/5/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/5/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/5/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/5/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/5/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/5/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/5/2002	8270C	DJM	1
Pentachlorophenol (PCP)	12	ug/l	2.8	9.3	1	7/5/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/5/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/5/2002	8270C	DJM	1
Lab Code 5041264K						Sample Type Water			
Sample ID DPZ-2						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/3/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/3/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/3/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/3/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1

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Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264K						Sample Type Water			
Sample ID DPZ-2						Sample Date 6/25/2002			
Fluorene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/3/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	54	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/3/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/3/2002	8270C	DJM	1
Lab Code 5041264L						Sample Type Water			
Sample ID DPZ-3						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/3/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/3/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/3/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/3/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/3/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	37	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/3/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/3/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code	5041264M						Sample Type	Water	
Sample ID	DPZ-4						Sample Date	6/25/2002	

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/3/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/3/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/3/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/3/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/3/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	7.9 "J"	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/3/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/3/2002	8270C	DJM	1

Lab Code	5041264N						Sample Type	Water	
Sample ID	DPZ-5						Sample Date	6/25/2002	

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/3/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/3/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264N							Sample Type Water		
Sample ID DPZ-5						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/3/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/3/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/3/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/3/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	6.3 "J"	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/3/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/3/2002	8270C	DJM	1
Lab Code 5041264O							Sample Type Water		
Sample ID DUP-1						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 165	ug/l	165	550	50	7/3/2002	8270C	DJM	1
Acenaphthylene	< 180	ug/l	180	600	50	7/3/2002	8270C	DJM	1
Anthracene	< 205	ug/l	205	700	50	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 165	ug/l	165	550	50	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 110	ug/l	110	345	50	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 125	ug/l	125	420	50	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 140	ug/l	140	465	50	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 100	ug/l	100	310	50	7/3/2002	8270C	DJM	1
Chrysene	< 150	ug/l	150	500	50	7/3/2002	8270C	DJM	1
o-Cresol	< 105	ug/l	105	345	50	7/3/2002	8270C	DJM	1
m & p-Cresol	< 50	ug/l	50	160	50	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 110	ug/l	110	375	50	7/3/2002	8270C	DJM	1
Fluoranthene	< 140	ug/l	140	465	50	7/3/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264O						Sample Type Water			
Sample ID DUP-1						Sample Date 6/25/2002			
Fluorene	< 155	ug/l	155	500	50	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 150	ug/l	150	500	50	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	290 "J"	ug/l	125	425	50	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	320 "J"	ug/l	245	800	50	7/3/2002	8270C	DJM	1
Naphthalene	190 "J"	ug/l	155	500	50	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	12000	ug/l	1400	4650	500	7/3/2002	8270C	DJM	1
Phenanthrene	< 145	ug/l	145	490	50	7/3/2002	8270C	DJM	1
Pyrene	< 135	ug/l	135	435	50	7/3/2002	8270C	DJM	1
Lab Code 5041264P						Sample Type Water			
Sample ID DUP 2						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 6.6	ug/l	6.6	22	2	7/3/2002	8270C	DJM	1
Acenaphthylene	< 7.2	ug/l	7.2	24	2	7/3/2002	8270C	DJM	1
Anthracene	< 8.2	ug/l	8.2	28	2	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 6.6	ug/l	6.6	22	2	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 4.4	ug/l	4.4	13.8	2	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 5	ug/l	5	16.8	2	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 5.6	ug/l	5.6	18.6	2	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 4	ug/l	4	12.4	2	7/3/2002	8270C	DJM	1
Chrysene	< 6	ug/l	6	20	2	7/3/2002	8270C	DJM	1
o-Cresol	< 4.2	ug/l	4.2	13.8	2	7/3/2002	8270C	DJM	1
m & p-Cresol	< 2	ug/l	2	6.4	2	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 4.4	ug/l	4.4	15	2	7/3/2002	8270C	DJM	1
Fluoranthene	< 5.6	ug/l	5.6	18.6	2	7/3/2002	8270C	DJM	1
Fluorene	< 6.2	ug/l	6.2	20	2	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 6	ug/l	6	20	2	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 5	ug/l	5	17	2	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 9.8	ug/l	9.8	32	2	7/3/2002	8270C	DJM	1
Naphthalene	< 6.2	ug/l	6.2	20	2	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	42	ug/l	5.6	18.6	2	7/3/2002	8270C	DJM	1
Phenanthrene	< 5.8	ug/l	5.8	19.6	2	7/3/2002	8270C	DJM	1
Pyrene	< 5.4	ug/l	5.4	17.4	2	7/3/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code	5041264Q					Sample Type	Water		
Sample ID	EQUIP B1					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/3/2002	8270C	DJM	1
Anthracene	< 4.1	ug/l	4.1	14	1	7/3/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/3/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/3/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/3/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/3/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/3/2002	8270C	DJM	1
m & p-Cresol	< 1	ug/l	1	3.2	1	7/3/2002	8270C	DJM	1
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/3/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/3/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/3/2002	8270C	DJM	1
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/3/2002	8270C	DJM	1
Naphthalene	< 3.1	ug/l	3.1	10	1	7/3/2002	8270C	DJM	1
Pentachlorophenol (PCP)	< 2.8	ug/l	2.8	9.3	1	7/3/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/3/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/3/2002	8270C	DJM	1

Lab Code	5041264R					Sample Type	Water		
Sample ID	EQUIP B2					Sample Date	6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/8/2002	8270C	DJM	2.3
Anthracene	< 4.1	ug/l	4.1	14	1	7/8/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/8/2002	8270C	DJM	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264R						Sample Type Water			
Sample ID EQUIP B2						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/8/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/8/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/8/2002	8270C	DJM	2
m & p-Cresol	< 1	ug/l	1	3.2	1	7/8/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/8/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/8/2002	8270C	DJM	2
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/8/2002	8270C	DJM	2
Naphthalene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/8/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/8/2002	8270C	DJM	1
Lab Code 5041264S						Sample Type Water			
Sample ID DMW-1						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 33	ug/l	33	110	10	7/5/2002	8270C	DJM	1
Acenaphthylene	< 36	ug/l	36	120	10	7/5/2002	8270C	DJM	2 3
Anthracene	< 41	ug/l	41	140	10	7/5/2002	8270C	DJM	1
Benzo(a)anthracene	< 33	ug/l	33	110	10	7/5/2002	8270C	DJM	1
Benzo(a)pyrene	< 22	ug/l	22	69	10	7/5/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 25	ug/l	25	84	10	7/5/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 28	ug/l	28	93	10	7/5/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 20	ug/l	20	62	10	7/5/2002	8270C	DJM	1
Chrysene	< 30	ug/l	30	100	10	7/5/2002	8270C	DJM	1
o-Cresol	< 21	ug/l	21	69	10	7/5/2002	8270C	DJM	2
m & p-Cresol	< 10	ug/l	10	32	10	7/5/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 22	ug/l	22	75	10	7/5/2002	8270C	DJM	1
Fluoranthene	< 28	ug/l	28	93	10	7/5/2002	8270C	DJM	1

U.S. Analytical Lab

JIM CAINE
 ROBERT E. LEE & ASSOCIATES
 2825 S. WEBSTER AVE.
 GREEN BAY WI 54301-2878

Project # 13551004
 Project Name WEISENBERGER TIE & LUM
 Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264S							Sample Type Water		
Sample ID DMW-1						Sample Date 6/25/2002			
Fluorene	< 31	ug/l	31	100	10	7/5/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 30	ug/l	30	100	10	7/5/2002	8270C	DJM	1
1-Methyl naphthalene	< 25	ug/l	25	85	10	7/5/2002	8270C	DJM	2
2-Methyl naphthalene	< 49	ug/l	49	160	10	7/5/2002	8270C	DJM	2
Naphthalene	< 31	ug/l	31	100	10	7/5/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	3300	ug/l	28	93	100	7/1/802	8270C	DJM	1
Phenanthrene	< 29	ug/l	29	98	10	7/5/2002	8270C	DJM	1
Pyrene	< 27	ug/l	27	87	10	7/5/2002	8270C	DJM	1
Lab Code 5041264T							Sample Type Water		
Sample ID DMW-2						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/8/2002	8270C	DJM	2 3
Anthracene	< 4.1	ug/l	4.1	14	1	7/8/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/8/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/8/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/8/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/8/2002	8270C	DJM	2
m & p-Cresol	< 1	ug/l	1	3.2	1	7/8/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/8/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/8/2002	8270C	DJM	2
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/8/2002	8270C	DJM	2
Naphthalene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	12	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/8/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/8/2002	8270C	DJM	1

U.S. Analytical Lab

JIM CAINE
 ROBERT E. LEE & ASSOCIATES
 2825 S. WEBSTER AVE.
 GREEN BAY WI 54301-2878

Project # 13551004
Project Name WEISENBERGER TIE & LUM
Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264U							Sample Type Water		
Sample ID DMW-3							Sample Date 6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/8/2002	8270C	DJM	2 3
Anthracene	< 4.1	ug/l	4.1	14	1	7/8/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/8/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/8/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/8/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/8/2002	8270C	DJM	2
m & p-Cresol	< 1	ug/l	1	3.2	1	7/8/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/8/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Fluorene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/8/2002	8270C	DJM	2
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/8/2002	8270C	DJM	2
Naphthalene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	8.3 "J"	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/8/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/8/2002	8270C	DJM	1

Lab Code 5041264V							Sample Type Water		
Sample ID DMW-4							Sample Date 6/25/2002		

Organic

Semi Volatiles

Acenaphthene	< 33	ug/l	33	110	10	7/5/2002	8270C	DJM	1
Acenaphthylene	< 36	ug/l	36	120	10	7/5/2002	8270C	DJM	2 3
Anthracene	< 41	ug/l	41	140	10	7/5/2002	8270C	DJM	1
Benzo(a)anthracene	< 33	ug/l	33	110	10	7/5/2002	8270C	DJM	1
Benzo(a)pyrene	< 22	ug/l	22	69	10	7/5/2002	8270C	DJM	1

U.S. Analytical Lab

JIM CAINE
 ROBERT E. LEE & ASSOCIATES
 2825 S. WEBSTER AVE.
 GREEN BAY WI 54301-2878

Project # 13551004
 Project Name WEISENBERGER TIE & LUM
 Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264V						Sample Type Water			
Sample ID DMW-4						Sample Date 6/25/2002			
Benzo(b)fluoranthene	< 25	ug/l	25	84	10	7/5/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 28	ug/l	28	93	10	7/5/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 20	ug/l	20	62	10	7/5/2002	8270C	DJM	1
Chrysene	< 30	ug/l	30	100	10	7/5/2002	8270C	DJM	1
o-Cresol	< 21	ug/l	21	69	10	7/5/2002	8270C	DJM	2
m & p-Cresol	< 10	ug/l	10	32	10	7/5/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 22	ug/l	22	75	10	7/5/2002	8270C	DJM	1
Fluoranthene	< 28	ug/l	28	93	10	7/5/2002	8270C	DJM	1
Fluorene	< 31	ug/l	31	100	10	7/5/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 30	ug/l	30	100	10	7/5/2002	8270C	DJM	1
1-Methyl naphthalene	58 "J"	ug/l	25	85	10	7/5/2002	8270C	DJM	2
2-Methyl naphthalene	< 49	ug/l	49	160	10	7/5/2002	8270C	DJM	2
Naphthalene	< 31	ug/l	31	100	10	7/5/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	850	ug/l	28	93	10	7/5/2002	8270C	DJM	1
Phenanthrene	< 29	ug/l	29	98	10	7/5/2002	8270C	DJM	1
Pyrene	< 27	ug/l	27	87	10	7/5/2002	8270C	DJM	1
Lab Code 5041264W						Sample Type Water			
Sample ID DMW-5						Sample Date 6/25/2002			

Organic

Semi Volatiles

Acenaphthene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Acenaphthylene	< 3.6	ug/l	3.6	12	1	7/8/2002	8270C	DJM	2 3
Anthracene	< 4.1	ug/l	4.1	14	1	7/8/2002	8270C	DJM	1
Benzo(a)anthracene	< 3.3	ug/l	3.3	11	1	7/8/2002	8270C	DJM	1
Benzo(a)pyrene	< 2.2	ug/l	2.2	6.9	1	7/8/2002	8270C	DJM	1
Benzo(b)fluoranthene	< 2.5	ug/l	2.5	8.4	1	7/8/2002	8270C	DJM	1
Benzo(g,h,i)perylene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Benzo(k)fluoranthene	< 2	ug/l	2	6.2	1	7/8/2002	8270C	DJM	1
Chrysene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
o-Cresol	< 2.1	ug/l	2.1	6.9	1	7/8/2002	8270C	DJM	2
m & p-Cresol	< 1	ug/l	1	3.2	1	7/8/2002	8270C	DJM	2
Dibenzo(a,h)anthracene	< 2.2	ug/l	2.2	7.5	1	7/8/2002	8270C	DJM	1
Fluoranthene	< 2.8	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1

U.S. Analytical Lab

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 2825 S. WEBSTER AVE.
 GREEN BAY WI 54301-2878

Project # 13551004
Project Name WEISENBERGER TIE & LUM
Invoice # E41264

Report Date 11-Jul-02

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041264W						Sample Type Water			
Sample ID DMW-5						Sample Date 6/25/2002			
Fluorene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	1
Indeno(1,2,3-cd)pyrene	< 3	ug/l	3	10	1	7/8/2002	8270C	DJM	1
1-Methyl naphthalene	< 2.5	ug/l	2.5	8.5	1	7/8/2002	8270C	DJM	2
2-Methyl naphthalene	< 4.9	ug/l	4.9	16	1	7/8/2002	8270C	DJM	2
Naphthalene	< 3.1	ug/l	3.1	10	1	7/8/2002	8270C	DJM	2 3 7
Pentachlorophenol (PCP)	9.2 "J"	ug/l	2.8	9.3	1	7/8/2002	8270C	DJM	1
Phenanthrene	< 2.9	ug/l	2.9	9.8	1	7/8/2002	8270C	DJM	1
Pyrene	< 2.7	ug/l	2.7	8.7	1	7/8/2002	8270C	DJM	1

LOD Limit of Detection

"J" Flag: Analyte detected between LOD and LOQ

LOQ Limit of Quantitation

Code	Comment
1	All laboratory QC requirements were met for this sample.
2	The duplicate RPD failed to meet acceptable QC limits.
3	The spike recovery failed to meet acceptable QC limits.
6	The surrogate recovery failed to meet acceptable QC limits.
7	The LCS spike recovery failed to meet acceptable QC limits.

Authorized Signature



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JUL 15 2002

ROBERT E. LEE & ASSOC., INC.

WEISENBERGER TIE & LUMBER
PROJECT # 13551-004
GROUNDWATER SAMPLING

5041264

PARAMETERS: PVOcs - EPA METHOD 8020 - MARCH & SEPTEMBER

WELLS: MW-3 DMW-3 DPZ-1 DUP 1 EQUIP B1
TRIP B

SAMPLE AMOUNT: 3-40ML VIALS - HCL

PARAMETERS: BNA - EPA METHOD 8270 - MARCH, JUNE, SEPT, DEC.

WELLS: MW-3 MW-5 MW-6 MW-7 MW-10 DUP 1
DMW-1 DMW-2 DMW-3 DMW-4 DMW-5 DUP 2
DMW-6A DMW-7 DMW-13 DPZ-1 DPZ-1A EQUIP 1
DPZ-2 DPZ-3 DPZ-4 DPZ-5 DPZ-6 EQUIP 2

SAMPLE AMOUNT: 1 LITER AMBER - UNPRESERVED

PARAMETERS: BNA - DIOXIN/FURANS - EPA METHOD 8290 - MARCH, JUNE, SEPT., DEC.

WELLS: MW-3 MW-6 MW-7 MW-10 DMW-1 DMW-2
DMW-3 DMW-4 DMW-5 DMW-6A DMW-7 DMW-8
DPZ-1 DUP 1 DUP 2 EQUIP 1 EQUIP 2

SAMPLE AMOUNT: 1 LITER AMBER - UNPRESERVED

PARAMETERS: PENTACHLOROPHENOL - EPA METHOD 515.1 - EHK (OVERNIGHT)
DIOXIN/FURANS - EPA METHOD 1613 - PACE (OVERNIGHT)

PRIVATE WELL - KRAUTKRAMER - BARN WELL - MARCH, JUNE, SEPT., DEC.

SAMPLE ID: BK859

SAMPLE AMOUNT: 1 LITER AMBER - HCL
1 LITER AMBER - UNPRESERVED

US
Analytica

PACE
COVERNIGHT,



Robert E. Lee & Associates, Inc.

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Green Bay, WI 54301-2878

Green Bay Office 920.336.6338 FAX 920.336.9141

Milwaukee Office 262.569.8893 FAX 262.569.7995

To ensure the proper handling of samples,
please see the back for instructions.

U.S. Army

CHAIN OF CUSTODY RECORD

COC # 90649

Lab# 5041264 (10f2)

Client: <u>Wesenberg T&L and Jerrab</u>		Analyses Required: (Note special detection limits or methods)		Report to:					
Project Name: <u>Wesenberg T&L</u> Project Number: <u>13551004</u>		No. Of Containers Preservation Type (see key below) <u>BNA - 8270</u>		Company:					
PO #: _____ BID #: <u>430</u>				Address:					
Environmental Program: <input type="checkbox"/> LUST <input type="checkbox"/> SDWA <input type="checkbox"/> WPDES <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____				Telephone: <u>Jim C</u>					
Requested Turnaround Time <input checked="" type="checkbox"/> Normal (10-15 DAYS) <input type="checkbox"/> Rush Date Needed: _____ <small>Rushes accepted only w/prior notification</small>				Fax:					
Check Delivery Method <input checked="" type="checkbox"/> In Person <input type="checkbox"/> Mail <input type="checkbox"/> Common Courier <input type="checkbox"/> Courier Service <input type="checkbox"/> Other _____		Invoice To:		Company:					
Sampler: <u>Chris W</u>		Sample Type (Matrix) DW = Drinking Water GW = Groundwater WW = Wastewater Soil, Oil, Sludge, Air, Other		Address:					
Sample Name		Date	Time	Comp	Grab	Filtered /Y/N	REL Sample No.	Remarks:	
A MW-3	6/25/02	8:30	P	X	N	6W	U	X	
B MW-5		2:0	P						
C MW-6			P						
D MW-7			P						
E MW-10			P						
F DMW-7			P						
G DMW-6A			P						
H DMW-13			P						
I DP2-1			P						
J DP2-1A			P						
K DP2-2			P						
L DP2-3			P						
Relinquished By: <u>Chris W</u>		Date: <u>6/26/02</u>	Time: <u>7:20</u>	Received By: _____		Date: _____	Time: _____	Laboratory Receiving Notes	
1) _____		A/P		_____		_____		Temperature of Contents <u>once</u> °C	
2) _____		A/P		_____		_____		Custody Seal Intact <u>Good</u>	
3) _____		A/P		_____		_____		Sample Condition <u>Good</u>	
Received by Lab: <u>Kevin Lemire</u>		Date: <u>6/26/02</u>	Time: <u>7:20</u>	_____		_____		Sample pH _____	

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Preservation Key

N = Nitric Acid O = Sodium Hydroxide
 H = Hydrochloric Acid U = Unpreserved
 M = Manganol S = Sulfuric Acid



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 Milwaukee Office 262.569.8893 FAX 262.569.7995

To ensure the proper handling of samples,
 please see the back for instructions.

COGNITIVE STORE
 COC # 90651

Lab# 5041264 (20f2)

Client: <i>Weisenberg T&L</i>		Analyses Required: (Note special detection limits or methods)		Report to:
Project Name: <i>Weisenberg T&L</i>		Project Number: <i>13551004</i>		Company:
PO #:	BID #: <i>430</i>	No. Of Containers Preservation Type (see key below) <i>BNA - p270</i>		Address:
Environmental Program: <input type="checkbox"/> LUST <input type="checkbox"/> SDWA <input type="checkbox"/> WPDES <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER				Telephone:
Requested Turnaround Time <input checked="" type="checkbox"/> Normal (10-15 DAYS) <input type="checkbox"/> Rush				Fax:
Check Delivery Method <input checked="" type="checkbox"/> In Person <input type="checkbox"/> Mail <input type="checkbox"/> Common Courier <input type="checkbox"/> Courier Service <input type="checkbox"/> Other				Invoice To:
Date Needed: _____ Rushes accepted only w/prior notification				Company:
Sampler: <i>Craig W.</i>		Sample Type (Matrix) DW = Drinking Water GW = Groundwater WW = Wastewater Soil, Oil, Sludge, Air, Other		Address:
				Telephone:
				Fax:
				REL Sample No.
				Remarks:

Sample Name	Date	Time	Comp	Grab	Filtered	Matrix	No. Of Containers	Preservation Type
M DPZ-4	6/25/02	8:30	P	X	N	GW	1	U
N DPZ-5	6/25/02	2:00	P					X
DPZ-6			A					
O Dsp 1			A					
P Dsp 2			A					
Q EQB1			A					
R EQB2			A					
S DMW-1			A					
T DMW-2			A					
U DMW-3			A					
V DMW-4			A					
W DMW-5			A					

No Sample

Relinquished By	Date	Time	Received By	Date	Time	Time
<i>Craig W.</i>	6/26/02	7:20				A/P
						A/P
						A/P
Received by Lab	<i>Loriferini</i>	6/26/02	720			A = AM P = PM

Laboratory Receiving Notes

Temperature of Contents *once* °C

Custody Seal Intact *good*

Sample Condition *good*

Sample pH _____

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Preservation Key
 N = Nitric Acid O = Sodium Hydroxide
 H = Hydrochloric Acid U = Unpreserved
 M = Methanol S = Sulfuric Acid

**LABORATORY REPORT
PACE ANALYTICAL LABORATORY
DIOXIN/FURAN ANALYSIS**

**MONITORING WELLS
PRIVATE WELL**

DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Robert E. Lee & Associates, Inc.
Attn: Jim Caine
2825 South Webster Avenue
Green Bay, WI 54301

This report contains 43 pages.

The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Project: Chemical Analysis

Client Purchase Order Number: NA

REPORT OF LABORATORY ANALYSIS

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PROJECT: PCDD/PCDF ANALYSES

DATE: July 26, 2002

ISSUED TO: Robert E. Lee & Associates, Inc.
Attn: Mr. Jim Caine
2825 South Webster Avenue
Green Bay, WI 54301

REPORT NO:02-1059399

INTRODUCTION

This report presents the results from the analyses performed on twelve samples which were submitted by a representative of Robert E. Lee & Associates, Inc. The samples were analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 8290 as described below.

SAMPLE IDENTIFICATION

<u>Client ID</u>	<u>Sample Type</u>	<u>Date Received</u>	<u>Pace ID</u>
DMW-1	Water	06/27/02	103656195
DMW-2	Water	06/27/02	103656203
DMW-3	Water	06/27/02	103656229
DMW-4	Water	06/27/02	103656237
DMW-5	Water	06/27/02	103656245
DMW-6A	Water	06/27/02	103656088
DMW-7	Water	06/27/02	103656096
DMW-8	Water	06/27/02	103656104
DPZ-1	Water	06/27/02	103656112
DUP 1	Water	06/27/02	103656179
DUP 2	Water	06/27/02	103656187
EQP B1	Water	06/27/02	103656146
EQP B2	Water	06/27/02	103656161
MW-3	Water	06/27/02	103656021
MW-6	Water	06/27/02	103656039
MW-7	Water	06/27/02	103656047
MW-10	Water	06/27/02	103656062

*It should be noted that sample BK 859 was reported under a separate cover.

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METHODOLOGY

Sample Extraction

Each sample was spiked with $^{13}\text{C}_{12}$ -labeled PCDD/PCDF internal standards (Table 1) and extracted with methylene chloride in a separatory funnel. The extract was quantitatively transferred to a Kuderna-Danish concentrator, concentrated, and solvent exchanged to hexane. The hexane extract was then spiked with 2,3,7,8-TCDD- $^{37}\text{Cl}_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below.

PCDD/PCDF Analyte Enrichment

The extraction procedure often removes a variety of compounds, in addition to the PCDDs and PCDFs, from the sample matrix. Some of these compounds can directly interfere with the analyses while others can overload the capillary column causing degradation in chromatographic resolution or sensitivity. The analyte enrichment steps described below are used to remove interferences from the extracts.

Each extract was diluted to 100 mL with hexane, transferred to a separatory funnel, and washed with 1N sodium hydroxide, concentrated sulfuric acid, and aqueous sodium chloride (5% w/v) as needed. The hexane extract was quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1 N sodium hydroxide on silica gel. The column was eluted with 90 mL of hexane and the entire eluate was collected and concentrated, under ambient conditions, to a volume of 1 mL and spiked with the $^{37}\text{Cl}_4$ -TCDD cleanup standard (Table 1).

Each extract was then fractionated on a liquid chromatography column containing 4 g of activated alumina. The column was eluted with 20 mL of hexane followed by 15 mL of 60% methylene chloride/hexane. The 60% methylene chloride/hexane fraction was collected, concentrated, spiked with recovery standards (1,2,3,4-TCDD- $^{13}\text{C}_{12}$ and 1,2,3,7,8,9-HxCDD- $^{13}\text{C}_{12}$) and taken to a final volume of 20 μL .

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PCDD/PCDF Analyses

Each sample extract was analyzed for the presence of PCDDs and PCDFs using combined capillary column gas chromatography/high resolution mass spectrometry (HRGC/HRMS). The instrumentation consisted of a Hewlett Packard Model 5890 gas chromatograph interfaced to a VG Model 70SE high-resolution mass spectrometer. The capillary column was interfaced directly into the ion source of the mass spectrometer, thus providing the highest possible sensitivity while minimizing degradation of the chromatographic resolution.

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 ($M/\Delta M$, 10 percent valley definition). This resolution is sufficient to resolve most interferences, such as PCBs, thus providing the highest level of confidence that the detected levels of PCDD/PCDF were not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

The data were acquired by selected-ion-recording (SIR) using groups of ion masses similar to those described in USEPA Method 8290. The five groups corresponded to the tetrachlorinated through octachlorinated congener classes. Each group contained two ion masses for the PCDDs, two ion masses for the PCDFs, the corresponding ion masses from the two isotopically labeled internal standards, and the ion mass characteristic of the polychlorinated diphenylether (PCDE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was used by the data system to automatically correct the mass focus of the instrument. The data system determined the centroid of the lock mass during each data acquisition cycle and corrected the mass focus of the analyte and internal standard ion masses to assure that the centers of the mass peaks were being monitored.

The criteria used to judge positive responses for a PCDD/PCDF isomer included:

- * Simultaneous response at both ion masses of the PCDD or PCDF
- * Signal-to-noise ratio equal to or greater than 2.5:1.0 for both ion masses
- * Chlorine isotope ratio within 15% of the theoretical value
- * Chromatographic retention time within +/- 2 seconds of the expected retention time
- * Chromatographic retention times within elution windows determined from analyses of standard mixtures
- * Absence of simultaneous response in the PCDF and PCDE ion traces

A list of the exact ion masses monitored for the determination of PCDD/PCDF isomers and the PCDE interferences is presented in Table 3. Also included are the theoretical chlorine isotope ratios for the ten congener classes.

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PROJECT: PCDD/PCDF ANALYSES

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PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards. Relative response factors were calculated from analyses of standard mixtures containing representatives of each of the PCDD/PCDF congener classes at five concentration levels, and each of the internal standards at one concentration level, as shown in Table 4. The PCDD/PCDF response factors were calculated by comparing the sum of the responses from the two ion masses monitored for each chlorine congener class to the sum of the responses from the two ion masses of the corresponding isotopically labeled internal standard. The formula for the response factor calculation is:

$$Rf = \frac{A_n \times Q_{is}}{A_{is} \times Q_n}$$

where:

Rf = Response factor
An = Sum of integrated areas for native isomer
Qis = Quantity of labeled internal standard
Ais = Sum of integrated areas for labeled internal standard
Qn = Quantity of native isomer

The levels of PCDD/PCDF in each sample were quantified using the following equation:

$$C = \frac{A_n \times Q_{is}}{A_{is} \times W \times Rf}$$

where:

C = Concentration of target isomer or congener class
An = Sum of integrated areas for the target isomer or congener class
Qis = Quantity of labeled internal standard added to the sample
Ais = Sum of integrated areas for the labeled internal standard
W = Sample amount
Rf = Response factor

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PCDD/PCDF Quantification and Calculations (Cont.)

Each pair of ion mass peaks in the selected-ion-current chromatograms was evaluated manually to determine if it met the criteria for a PCDD or PCDF isomer. Areas of all peaks exhibiting correct ion ratios, having retention times within the correct windows, and having areas corresponding to concentrations in the range covered by the initial calibration were then summed for calculations of total congener concentrations.

A limit of detection (LOD) based on producing a signal that is 2.5 times the noise level, was calculated for each undetected 2,3,7,8-substituted isomer of any tetra through octa chlorinated congener class. The noise heights used to calculate the detection limits were measured at the retention time of the specific isomer. The formula used for calculating the LOD is:

$$\text{LOD} = \frac{H_n \times Q_{is} \times 2.5}{H_{is} \times W \times R_f}$$

where:

- LOD = Single isomer limit of detection
- H_n = Sum of noise heights at native isomer retention time
- Q_{is} = Quantity of labeled internal standard
- H_{is} = Sum of peak heights for labeled internal standard
- W = Sample amount
- R_f = Response factor

The recovery of the 2,3,7,8-TCDD-³⁷Cl₄ enrichment efficiency standard and each ¹³C₁₂-labeled internal standard, relative to either 1,2,3,4-TCDD-¹³C₁₂ or 1,2,3,7,8,9-HxCDD-¹³C₁₂, was calculated using the following equation:

$$\%R = \frac{A_{is} \times Q_{rs} \times 100\%}{R_{fr} \times A_{rs} \times Q_{is}}$$

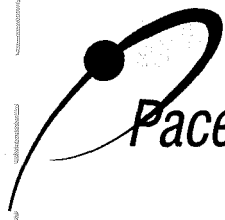
where:

- %R = Percent recovery of labeled internal standard
- A_{is} = Sum of integrated areas of labeled internal standard
- Q_{rs} = Quantity of recovery standard
- A_{rs} = Sum of integrated areas of recovery standard
- R_{fr} = Response factor of the specific labeled internal standard relative to the recovery standard
- Q_{is} = Quantity of the labeled internal standard congener added to the sample

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PROJECT: PCDD/PCDF ANALYSES

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Quality Control for PCDD/PCDF Analyses

The performance of the sample processing steps and the instrumentation are monitored on a routine basis. The procedures and criteria are summarized below.

One method blank and one laboratory spike sample are typically prepared with each ten samples of any given matrix. Recoveries of the native PCDD/PCDF analytes in the laboratory spike samples generally range from 70 to 130%. Recoveries of selected analytes outside this range do not invalidate the data but provide information, which is used by the laboratory to monitor recovery trends and to assure optimization of the method.

Internal standards are spiked into each sample prior to extraction in order to monitor the level of recovery, which is achieved for each individual sample. Acceptable recoveries range from 40 to 135 percent for the internal standards unless a deviation is due to variation in instrument response as a result of analytical interferences.

The resolution of the mass spectrometer is verified prior to each analysis to be 10,000 or greater. Hardcopies of the reference peaks are printed at the beginning and end of each analysis day. The resolving power of the DB-5MS chromatographic column is checked daily by analyzing a standard solution containing 2,3,7,8-TCDD and the adjacent TCDD isomers. The DB-225 column resolution is checked daily by analyzing a standard solution containing 2,3,7,8-TCDF and the adjacent TCDF isomers. Acceptable performance is achieved when 2,3,7,8-TCDD or 2,3,7,8-TCDF is resolved from the adjacent isomers by a valley of 25% or less. The group times for the selected-ion-monitoring data acquisitions are also checked daily by analyzing the column performance mix which has been modified to contain the first and last eluting isomers of each congener class. In this way one is assured of collecting data representative of the total PCDD/PCDF content and that the 2,3,7,8-substituted isomers are suitably resolved.

Initial calibrations are generated by analyzing standard solutions (see Table 4) containing target native and labeled PCDD/PCDF compounds. Response factors are calculated and averaged for each compound. These averages are used for quantification and for comparison to the daily continuing calibration. The relative standard deviation for each native compound must be 20% or less (30% or less for the labeled compounds) as specified in Method 8290. A continuing calibration standard is analyzed at the beginning and end of each 12-hour shift on days when initial calibrations are not performed. The initial calibration is considered to be valid when the response factors from the continuing calibration analysis fall to within the ranges specified in Method 8290.

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PROJECT: PCDD/PCDF ANALYSES

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RESULTS

The results from the analyses are presented in the following:

Appendix A - Documentation

Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 47-142% and indicate a level of efficiency through the extraction and enrichment steps that is considered typical for this matrix. With the exception of the of the labeled 1,2,3,6,7,8-HxCDF internal standard in sample MW-6 all of the labeled standard recoveries in the samples were within the Method 8290 target ranges. However, since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

The response factors for the labeled 1,2,3,4,7,8,9-HpCDF and OCDD internal standards in the end of shift calibration standard were outside the target range for this method. The response factors from the beginning and end calibrations were averaged to provide an accurate value for these isomers, as described in the method. The affected points are flagged "*" on the data summary sheets.

Some of the samples were found to contain compounds that interfere with the determination of co-eluting PCDD and PCDF isomers. Any affected 2,3,7,8-substituted isomers are flagged "E" on the data summary sheets.

A laboratory method blank was prepared and analyzed with each sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blanks to contain low levels of selected PCDDs and PCDFs. Several of the samples contained these isomers at levels similar to the blank and are flagged "B" on the data summary sheets.

Laboratory spike samples were prepared with the sample batch by extracting laboratory water that had been fortified with native standard materials. Recoveries of the native compounds in the spiked samples ranged from 80-99% with relative percent differences of 0.0-8.3%. This indicates high degrees of accuracy and precision for these determinations.

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REMARKS

The sample extracts will be retained for a period of 30 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the authors at the numbers provided below.

Pace Analytical Services, Inc.

Dan L. Hoseck
Project Manager, Dioxins
(612) 607-6331

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TABLE 1. Spike Levels of PCDD/PCDF Standards

Internal Standards	Spike Level (ng)
2,3,7,8-TCDF- ¹³ C ₁₂	2.0
2,3,7,8-TCDD- ¹³ C ₁₂	2.0
1,2,3,7,8-PeCDF- ¹³ C ₁₂	2.0
2,3,4,7,8-PeCDF- ¹³ C ₁₂	2.0
1,2,3,7,8-PeCDD- ¹³ C ₁₂	2.0
1,2,3,4,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,6,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,7,8,9-HxCDF- ¹³ C ₁₂	2.0
2,3,4,6,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,4,7,8-HxCDD- ¹³ C ₁₂	2.0
1,2,3,6,7,8-HxCDD- ¹³ C ₁₂	2.0
1,2,3,4,6,7,8-HpCDF- ¹³ C ₁₂	2.0
1,2,3,4,7,8,9-HpCDF- ¹³ C ₁₂	2.0
1,2,3,4,6,7,8-HpCDD- ¹³ C ₁₂	2.0
OCDD- ¹³ C ₁₂	4.0
<u>Recovery Standards</u>	
1,2,3,4-TCDD- ¹³ C ₁₂	2.0
1,2,3,7,8,9-HxCDD- ¹³ C ₁₂	2.0
<u>Enrichment Efficiency Standard</u>	
2,3,7,8-TCDD- ³⁷ Cl ₄	0.2

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**TABLE 2. High Resolution PCDD/PCDF Analyses
HRGC/HRMS Operating Parameters**

Mass Resolution	10,000-11,000 (M/ Δ M, 10% valley)
Electron Energy	32 electron volts
Accelerating Voltage	8,000 volts
Source Temperature	275°C
Preamplifier Gain	10 ⁻⁶ amp/volt
Multiplier Gain	~10 ⁵
Chromatographic Column	60 M DB-5MS
Transfer Line Temperature	260°C
Injection Mode	Splitless
Carrier Gas	Helium
Carrier Flow Velocity	~30 cm/sec

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**TABLE 3. Exact Ion Masses Monitored
for the Determination of PCDDs, PCDFs, and PCDEs**

Ratio Compound	Accurate Mass		Theoretical
	Mass 1	Mass 2	Mass 1/Mass 2
Tetra-CDDs	319.8965	321.8936	0.77
Tetra-CDFs	303.9016	305.8987	0.77
Hexa-CDEs	375.8364		
Penta-CDDs	355.8546	357.8517	1.54
Penta-CDFs	339.8597	341.8567	1.54
Hepta-CDEs	409.7974		
Hexa-CDDs	389.8156	391.8127	1.23
Hexa-CDFs	373.8207	375.8178	1.23
Octa-CDEs	445.7555		
Hepta-CDDs	423.7766	425.7737	1.03
Hepta-CDFs	407.7817	409.7788	1.03
Nona-CDEs	479.7165		
Octa-CDD	457.7377	459.7347	0.88
Octa-CDF	441.7428	443.7398	0.88
Deca-CDE	513.6775		

CDDs = Chlorinated Dibenzo-p-dioxins
CDFs = Chlorinated Dibenzofurans
CDEs = Chlorinated Diphenylethers

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TABLE 4. High Resolution Calibration Solutions

Native CDDs/CDFs	CS1	Concentration (pg/uL)			
		CS2	CS3	CS4	CS5
2,3,7,8-TCDD	0.5	2	10	40	200
2,3,7,8 TCDF	0.5	2	10	40	200
1,2,3,7,8-PeCDD	2.5	10	50	200	1000
1,2,3,7,8-PeCDF	2.5	10	50	200	1000
2,3,4,7,8-PeCDF	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000
OCDD	5.0	20	100	400	2000
OCDF	5.0	20	100	400	2000
Internal Standards					
2,3,7,8-TCDD- ¹³ C ₁₂	100	100	100	100	100
2,3,7,8-TCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8-PeCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8-PeCDF- ¹³ C ₁₂	100	100	100	100	100
2,3,4,7,8-PeCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8-HxCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,6,7,8-HxCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,6,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8,9-HxCDF- ¹³ C ₁₂	100	100	100	100	100
2,3,4,6,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,6,7,8-HpCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,6,7,8-HpCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8,9-HpCDF- ¹³ C ₁₂	100	100	100	100	100
OCDD- ¹³ C ₁₂	200	200	200	200	200
Recovery Standards					
1,2,3,4-TCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8,9-HxCDD- ¹³ C ₁₂	100	100	100	100	100
Enrichment Efficiency Standard					
2,3,7,8-TCDD- ³⁷ C ₁₄	0.5	2	10	40	200

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TABLE 5. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzop-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

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Appendix A

REPORT OF LABORATORY ANALYSIS

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Robert E. Lee & Associates, Inc.

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To ensure the proper handling of samples,
please see the back for instructions.

CHAIN OF CUSTODY RECORD

COC # 90652

10 of 2

Client: Weisenberger Tie and Lumber
 Project Name: Weisenberger Tie and Lumber Project Number: 13551004
 PO #: _____ BID #: _____

Environmental Program:
 LUST SDWA WPDES RCRA OTHER _____

Requested Turnaround Time
 Normal (10-15 DAYS) Rush
 Date Needed: _____
 Rushes accepted only w/prior notification

Check Delivery Method
 In Person Mail
 Common Courier Courier Service
 Other _____

Sampler: [Signature]
 Sample Type (Matrix)
 DW = Drinking Water
 GW = Groundwater
 WW = Wastewater
 Soil, Oil, Sludge, Air, Other

Sample Name	Date	Time	Comp	Grab	Preserved	Matrix	No. of Containers	Preservation Type (see key below)
BK 859	6/25/02	7:30	A	X	N	DW	1	U
MW-3			A			GW		X
MW-6			A					
MW-7			A					
MW-10			A					
DMW-6A			A					
DMW-7			A					
DMW-8			A					
DPZ-1			A					
EQ B 1			A					
BQ B 2			A					
DDP 1			A					

Analyses Required:
 (Note special detection limits or methods)
1613
BNA - Dioxin/Furon
BNA - Dioxin/Furon 8290

Report to:
 Company:
 Address:
 Telephone: [Signature]
 Fax:
 Invoice To:
 Company: **ROBERT E. LEE & ASSOCIATES, INC.**
 Address: **2825 S. WEBSTER AVE**
GREEN BAY, WI 54301-2878
 Telephone:
 Fax:

REL Sample No.	Remarks:
	103656005
	021
	039
	047
	062
	088
	096
	104
	112
	146
	161
	179

Relinquished By: [Signature] Date: 6/26/02 Time: 7:30 AM
 Received By: [Signature] Date: 6/26/02 Time: 7:30 AM
 Received by Lab: [Signature] Date: 6/27/02 Time: 9:45a T = 2°C

Laboratory Receiving Notes
 Temperature of Contents _____ °C
 Custody Seal Intact _____
 Sample Condition _____
 Sample pH _____

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Preservation Key
 N = Nitric Acid O = Sodium Hydroxide
 H = Hydrochloric Acid U = Unpreserved
 M = Muriatic Acid S = Sulfuric Acid



Robert E. Lee & Associates, Inc.
 Engineering, Surveying, Laboratory Services
 2825 S. Webster Ave. • Green Bay, WI 54301-2878
 Green Bay Office 920.336.6338 FAX 920.336.9141
 Milwaukee Office 262.569.8893 FAX 262.569.2995

To ensure the proper handling of samples,
 please see the back for instructions.

CHI JF C JDY ORI

COC # ~~901052~~ 2 of 2
 901052

Client: Weisenberg Te and Lumber
 Project Name: Weisenberg T+L Project Number: 1355/004
 PO #: _____ BID #: _____

Environmental Program:
 LUST SDWA WPDES RCRA OTHER _____

Requested Turnaround Time
 Normal (10-15 DAYS) Rush
 Check Delivery Method
 In Person Mail
 Common Courier Courier Service
 Other _____
 Date Needed: _____
Rushes accepted only w/prior notification

Sampler: Craig W. Sample Type (Matrix)
 DW = Drinking Water
 GW = Groundwater
 WW = Wastewater
 Soil, Oil, Sludge, Air, Other

Sample Name	Date	Time	Comp	Grab	Filtered Y/N	Sample Type (Matrix)
Dup 2	6/25/02	8:30	P	X	N	GW
DMW-1			A			
DMW-2			A			
DMW-3			A			
DMW-4			A			
DMW-5			A			

Analyses Required:
 (Note special detection limits or methods)

No. of Containers: _____
 Preservation Type (see key below): BNA-Dioxin/Furan 8290

Report to: _____
 Company: _____
 Address: _____
 Telephone: Jim Cairn
 Fax: _____
 Invoice To: _____
 Company: _____
ROBERT E. LEE & ASSOCIATES, INC.
 Address: **2825 S. WEBSTER AVE**
GREEN BAY, WI 54301-2878
 Telephone: _____
 Fax: _____

REL Sample No.	Remarks:
	103656187
	195
	203
	229
	237
	245

Relinquished By: [Signature] Date: 6/26/02 Time: 7:30 A/P
 Received By: [Signature] Date: 6/26/02 Time: 7:30 A/P
 1) [Signature] Date: 6/26/02 Time: 3:10 A/P
 2) [Signature] Date: _____ Time: _____ A/P
 3) _____ Date: _____ Time: _____ A/P
 Received by Lab: [Signature] Date: 6/27/02 Time: 9:45a T=2°C

Laboratory Receiving Notes
 Temperature of Contents _____ °C
 Custody Seal Intact _____
 Sample Condition _____
 Sample pH _____
 A = AM P = PM

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Preservation Key
 N = Nitric Acid O = Sodium Hydroxide
 H = Hydrochloric Acid U = Unpreserved
 M = Methanol S = Sulfuric Acid



Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Appendix B

REPORT OF LABORATORY ANALYSIS

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Method 8290 Blank Analysis Results

Client - ROBERT E LEE

Lab Sample ID	BLANK-1870	Matrix	WATER
Filename	F20715A_09	Dilution	NA
Total Amount Extracted	1001.87 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/15/2002 21:24
CCal Filename(s)	F20715A_03 & F20715A_16	Injected By	MRO

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	89
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	96
				1,2,3,7,8-PeCDF-13C	2.00	98
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	97
				1,2,3,4,7,8-HxCDF-13C	2.00	108
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	110
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	109
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	102
				1,2,3,4,7,8-HxCDD-13C	2.00	101
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	112
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	111
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	108
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	88
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	100
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	ND	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00036 ng/L		
Total HpCDF	0.013	-----	0.01000 J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.016	-----	0.01000 J			
Total HpCDD	0.016	-----	0.01000 J			
OCDF	0.030	-----	0.02000 J			
OCDD	0.170	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 LRL = Lower Reporting Limit
 J = Concentration detected is below the calibration range
 P = Recovery outside of target range
 A = Detection Limit based on signal-to-noise measurement

I = Interference
 E = PCDE Interference
 ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated
 * = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Blank Analysis Results

Client - ROBERT E LEE

Lab Sample ID	BLANK-1895	Matrix	WATER
Filename	U20716B_06	Dilution	NA
Total Amount Extracted	911.9 mL	Extracted	07/15/2002
ICAL Date	07/01/2002	Analyzed	07/17/2002 02:11
CCal Filename(s)	U20716A_15 & U20716B_15	Injected By	CVS

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00220	2,3,7,8-TCDF-13C	2.00	82
Total TCDF	ND	-----	0.00220	2,3,7,8-TCDD-13C	2.00	84
				1,2,3,7,8-PeCDF-13C	2.00	84
2,3,7,8-TCDD	ND	-----	0.00220	2,3,4,7,8-PeCDF-13C	2.00	84
Total TCDD	ND	-----	0.00220	1,2,3,7,8-PeCDD-13C	2.00	85
				1,2,3,4,7,8-HxCDF-13C	2.00	97
1,2,3,7,8-PeCDF	ND	-----	0.01100	1,2,3,6,7,8-HxCDF-13C	2.00	86
2,3,4,7,8-PeCDF	ND	-----	0.01100	2,3,4,6,7,8-HxCDF-13C	2.00	89
Total PeCDF	ND	-----	0.01100	1,2,3,7,8,9-HxCDF-13C	2.00	95
				1,2,3,4,7,8-HxCDD-13C	2.00	105
1,2,3,7,8-PeCDD	ND	-----	0.01100	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	-----	0.01100	1,2,3,4,6,7,8-HpCDF-13C	2.00	99
				1,2,3,4,7,8,9-HpCDF-13C	2.00	100
1,2,3,4,7,8-HxCDF	ND	-----	0.01100	1,2,3,4,6,7,8-HpCDD-13C	2.00	97
1,2,3,6,7,8-HxCDF	ND	-----	0.01100	OCDD-13C	4.00	101
2,3,4,6,7,8-HxCDF	ND	-----	0.01100			
1,2,3,7,8,9-HxCDF	ND	-----	0.01100	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01100	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01100	2,3,7,8-TCDD-37Cl4	0.20	86
1,2,3,6,7,8-HxCDD	ND	-----	0.01100			
1,2,3,7,8,9-HxCDD	ND	-----	0.01100			
Total HxCDD	ND	-----	0.01100			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01100	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01100	Equivalence: 0.000085 ng/L		
Total HpCDF	ND	-----	0.01100	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.01100			
Total HpCDD	ND	-----	0.01100			
OCDF	ND	-----	0.02200			
OCDD	0.085	-----	0.02200 J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
LRL = Lower Reporting Limit
J = Concentration detected is below the calibration range
P = Recovery outside of target range
A = Detection Limit based on signal-to-noise measurement

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-1					
Lab Sample ID	103656195					
Filename	F20712B_12					
Injected By	MRO					
Total Amount Extracted	995.67 mL			Matrix	WATER	
% Moisture	NA			Dilution	NA	
Dry Weight Extracted	NA			Collected	06/25/2002	
ICAL Date	05/04/2002			Received	06/27/2002	
CCal Filename(s)	F20712A_14 & F20712B_14			Extracted	07/01/2002	
Method Blank ID	BLANK-1870			Analyzed	07/13/2002 06:24	

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.052	----	0.00220	A	2,3,7,8-TCDF-13C	2.00	84
Total TCDF	0.220	----	0.00200		2,3,7,8-TCDD-13C	2.00	72
					1,2,3,7,8-PeCDF-13C	2.00	73
2,3,7,8-TCDD	ND	----	0.00200		2,3,4,7,8-PeCDF-13C	2.00	75
Total TCDD	0.011	----	0.00200		1,2,3,7,8-PeCDD-13C	2.00	71
					1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	0.240	----	0.01000		1,2,3,6,7,8-HxCDF-13C	2.00	95
2,3,4,7,8-PeCDF	0.560	----	0.01000		2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	2.700	----	0.01000		1,2,3,7,8,9-HxCDF-13C	2.00	96
					1,2,3,4,7,8-HxCDD-13C	2.00	94
1,2,3,7,8-PeCDD	0.022	----	0.01000	J	1,2,3,6,7,8-HxCDD-13C	2.00	89
Total PeCDD	0.068	----	0.01000	J	1,2,3,4,6,7,8-HpCDF-13C	2.00	87
					1,2,3,4,7,8,9-HpCDF-13C	2.00	86
1,2,3,4,7,8-HxCDF	0.850	----	0.01000		1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	0.260	----	0.01000		OCDD-13C	4.00	85
2,3,4,6,7,8-HxCDF	----	0.44	0.01000	E			
1,2,3,7,8,9-HxCDF	0.500	----	0.01000		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	9.700	----	0.01000		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.01000		2,3,7,8-TCDD-37Cl4	0.20	98
1,2,3,6,7,8-HxCDD	7.600	----	0.01000				
1,2,3,7,8,9-HxCDD	0.460	----	0.01000				
Total HxCDD	16.000	----	0.01000				
1,2,3,4,6,7,8-HpCDF	17.000	----	0.01000		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	1.500	----	0.01000		Equivalence: 4.4 ng/L		
Total HpCDF	97.000	----	0.01000		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	150.000	----	0.01000				
Total HpCDD	220.000	----	0.01000				
OCDF	190.000	----	0.02000				
OCDD	1300.000	----	0.40000	N2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-2				
Lab Sample ID	103656203				
Filename	F20725A_06				
Injected By	MRO				
Total Amount Extracted	998.3 mL	Matrix	WATER		
% Moisture	NA	Dilution	NA		
Dry Weight Extracted	NA	Collected	06/25/2002		
ICAL Date	05/04/2002	Received	06/27/2002		
CCal Filename(s)	F20725A_01 & F20725A_14	Extracted	07/15/2002		
Method Blank ID	BLANK-1895	Analyzed	07/25/2002 15:09		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	88
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	87
				1,2,3,7,8-PeCDF-13C	2.00	80
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	81
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	64
				1,2,3,4,7,8-HxCDF-13C	2.00	109
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	117
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	97
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	95
				1,2,3,4,7,8-HxCDD-13C	2.00	99
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	107
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	80
				1,2,3,4,7,8,9-HpCDF-13C	2.00	97 *
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	76
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	104 *
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	82
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	ND	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00095 ng/L		
Total HpCDF	0.018	-----	0.01000 J	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.042	-----	0.01000 J			
Total HpCDD	0.073	-----	0.01000 J			
OCDF	0.031	-----	0.02000 J			
OCDD	0.500	-----	0.02000 B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-3				
Lab Sample ID	103656229				
Filename	F20725A_07				
Injected By	MRO				
Total Amount Extracted	994 mL	Matrix		WATER	
% Moisture	NA	Dilution		NA	
Dry Weight Extracted	NA	Collected		06/25/2002	
ICAL Date	05/04/2002	Received		06/27/2002	
CCal Filename(s)	F20725A_01 & F20725A_14	Extracted		07/15/2002	
Method Blank ID	BLANK-1895	Analyzed		07/25/2002 15:59	

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	75
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	69
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	66
				1,2,3,4,7,8-HxCDF-13C	2.00	81
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	91
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	74
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	81
				1,2,3,4,7,8-HxCDD-13C	2.00	81
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	69
				1,2,3,4,7,8,9-HpCDF-13C	2.00	79 *
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	62
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	86 *
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	76
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	ND	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00036 ng/L		
Total HpCDF	ND	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.018	-----	0.01000 J			
Total HpCDD	0.030	-----	0.01000 J			
OCDF	ND	-----	0.02000			
OCDD	0.170	-----	0.02000 B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-4				
Lab Sample ID	103656237				
Filename	F20725A_08				
Injected By	MRO				
Total Amount Extracted	993.3 mL	Matrix	WATER		
% Moisture	NA	Dilution	NA		
Dry Weight Extracted	NA	Collected	06/25/2002		
ICAL Date	05/04/2002	Received	06/27/2002		
CCal Filename(s)	F20725A_01 & F20725A_14	Extracted	07/15/2002		
Method Blank ID	BLANK-1895	Analyzed	07/25/2002 16:49		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00200	2,3,7,8-TCDF-13C	2.00	92
Total TCDF	0.0062	----	0.00200 J	2,3,7,8-TCDD-13C	2.00	90
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	88
Total TCDD	ND	----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	82
				1,2,3,4,7,8-HxCDF-13C	2.00	98
1,2,3,7,8-PeCDF	ND	----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	108
2,3,4,7,8-PeCDF	ND	----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	83
Total PeCDF	0.0400	----	0.01000 J	1,2,3,7,8,9-HxCDF-13C	2.00	100
				1,2,3,4,7,8-HxCDD-13C	2.00	96
1,2,3,7,8-PeCDD	ND	----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	97
Total PeCDD	ND	----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	109 *
1,2,3,4,7,8-HxCDF	0.0120	----	0.01000 J	1,2,3,4,6,7,8-HpCDD-13C	2.00	83
1,2,3,6,7,8-HxCDF	ND	----	0.01000	OCDD-13C	4.00	129 *
2,3,4,6,7,8-HxCDF	ND	----	0.01000			
1,2,3,7,8,9-HxCDF	ND	----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.3700	----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	0.0140	----	0.01000 J	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	0.1000	----	0.01000			
1,2,3,7,8,9-HxCDD	0.0190	----	0.01000 J			
Total HxCDD	0.3000	----	0.01000			
1,2,3,4,6,7,8-HpCDF	0.2600	----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0240	----	0.01000 J	Equivalence: 0.060 ng/L		
Total HpCDF	1.3000	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	2.0000	----	0.01000			
Total HpCDD	3.1000	----	0.01000			
OCDF	2.0000	----	0.02000			
OCDD	21.0000	----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
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Report No.....02-1059399

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-5	Matrix	WATER
Lab Sample ID	103656245	Dilution	NA
Filename	F20725A_09	Collected	06/25/2002
Injected By	MRO	Received	06/27/2002
Total Amount Extracted	992.8 mL	Extracted	07/15/2002
% Moisture	NA	Analyzed	07/25/2002 17:39
Dry Weight Extracted	NA		
ICAL Date	05/04/2002		
CCal Filename(s)	F20725A_01 & F20725A_14		
Method Blank ID	BLANK-1895		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00200	2,3,7,8-TCDF-13C	2.00	92
Total TCDF	ND	----	0.00200	2,3,7,8-TCDD-13C	2.00	88
				1,2,3,7,8-PeCDF-13C	2.00	85
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	85
Total TCDD	ND	----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	80
				1,2,3,4,7,8-HxCDF-13C	2.00	96
1,2,3,7,8-PeCDF	ND	----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	108
2,3,4,7,8-PeCDF	ND	----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	86
Total PeCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	97
				1,2,3,4,7,8-HxCDD-13C	2.00	89
1,2,3,7,8-PeCDD	ND	----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	100
Total PeCDD	ND	----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	89
				1,2,3,4,7,8,9-HpCDF-13C	2.00	106 *
1,2,3,4,7,8-HxCDF	ND	----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	79
1,2,3,6,7,8-HxCDF	ND	----	0.01000	OCDD-13C	4.00	115 *
2,3,4,6,7,8-HxCDF	ND	----	0.01000			
1,2,3,7,8,9-HxCDF	ND	----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	84
1,2,3,6,7,8-HxCDD	ND	----	0.01000			
1,2,3,7,8,9-HxCDD	ND	----	0.01000			
Total HxCDD	ND	----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.01000	Equivalence: 0.00035 ng/L		
Total HpCDF	ND	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.021	----	0.01000 J			
Total HpCDD	0.035	----	0.01000 J			
OCDF	ND	----	0.02000			
OCDD	0.140	----	0.02000 B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
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B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-6A		
Lab Sample ID	103656088		
Filename	F20716A_06		
Injected By	MRO		
Total Amount Extracted	992.13 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20715A_16 & F20716A_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/16/2002 08:15

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	94
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	103
				1,2,3,7,8-PeCDF-13C	2.00	105
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	106
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	107
				1,2,3,4,7,8-HxCDF-13C	2.00	111
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	120
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	112
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	104
				1,2,3,4,7,8-HxCDD-13C	2.00	115
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	115
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	110
				1,2,3,4,7,8,9-HpCDF-13C	2.00	100
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	111
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	98
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.067	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	107
1,2,3,6,7,8-HxCDD	0.023	-----	0.01000 J			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	0.067	-----	0.01000 J			
1,2,3,4,6,7,8-HpCDF	0.080	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.012	-----	0.01000 J	Equivalence: 0.020 ng/L		
Total HpCDF	0.470	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.730	-----	0.01000			
Total HpCDD	1.100	-----	0.01000			
OCDF	0.700	-----	0.02000			
OCDD	8.700	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-7	Matrix	WATER
Lab Sample ID	103656096	Dilution	NA
Filename	F20712B_05	Collected	06/25/2002
Injected By	MRO	Received	06/27/2002
Total Amount Extracted	992.98 mL	Extracted	07/01/2002
% Moisture	NA	Analyzed	07/13/2002 00:35
Dry Weight Extracted	NA		
ICAL Date	05/04/2002		
CCal Filename(s)	F20712A_14 & F20712B_14		
Method Blank ID	BLANK-1870		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	96
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	93
				1,2,3,7,8-PeCDF-13C	2.00	94
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	92
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	83
				1,2,3,4,7,8-HxCDF-13C	2.00	108
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	122
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	108
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	106
				1,2,3,4,7,8-HxCDD-13C	2.00	99
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	108
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	92
				1,2,3,4,7,8,9-HpCDF-13C	2.00	82
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	81
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	81
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	99
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	ND	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00034 ng/L		
Total HpCDF	0.012	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.016	-----	0.01000			
Total HpCDD	0.016	-----	0.01000			
OCDF	0.029	-----	0.02000			
OCDD	0.160	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
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 J = Concentration detected is below the calibration range
 B = Less than 10 times higher than method blank level
 P = Recovery outside of target range
 Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
 I = Interference
 E = PCDE Interference
 S = Saturated signal
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REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DMW-8		
Lab Sample ID	103656104		
Filename	F20712B_06		
Injected By	MRO		
Total Amount Extracted	994.31 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20712A_14 & F20712B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/13/2002 01:26

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	55
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	53
				1,2,3,7,8-PeCDF-13C	2.00	55
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	54
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	47
				1,2,3,4,7,8-HxCDF-13C	2.00	65
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	75
2,3,4,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	67
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	64
				1,2,3,4,7,8-HxCDD-13C	2.00	61
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	66
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	57
				1,2,3,4,7,8,9-HpCDF-13C	2.00	51
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	50
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	52
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	54
1,2,3,6,7,8-HxCDD	ND	-----	0.01000			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	ND	-----	0.01000			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.00075 ng/L		
Total HpCDF	0.029	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.030	-----	0.01000			
Total HpCDD	0.045	-----	0.01000			
OCDF	0.075	-----	0.02000			
OCDD	0.380	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
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 J = Concentration detected is below the calibration range
 B = Less than 10 times higher than method blank level
 P = Recovery outside of target range
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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DPZ-1		
Lab Sample ID	103656112		
Filename	F20712B_07		
Injected By	MRO		
Total Amount Extracted	1062.21 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20712A_14 & F20712B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/13/2002 02:15

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00190	2,3,7,8-TCDF-13C	2.00	87
Total TCDF	0.0095	-----	0.00190	2,3,7,8-TCDD-13C	2.00	89
				1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	ND	-----	0.00190	2,3,4,7,8-PeCDF-13C	2.00	82
Total TCDD	ND	-----	0.00190	1,2,3,7,8-PeCDD-13C	2.00	74
				1,2,3,4,7,8-HxCDF-13C	2.00	95
1,2,3,7,8-PeCDF	ND	-----	0.00940	1,2,3,6,7,8-HxCDF-13C	2.00	109
2,3,4,7,8-PeCDF	ND	-----	0.00940	2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	0.0160	-----	0.00940 J	1,2,3,7,8,9-HxCDF-13C	2.00	100
				1,2,3,4,7,8-HxCDD-13C	2.00	88
1,2,3,7,8-PeCDD	ND	-----	0.00940	1,2,3,6,7,8-HxCDD-13C	2.00	99
Total PeCDD	ND	-----	0.00940	1,2,3,4,6,7,8-HpCDF-13C	2.00	83
				1,2,3,4,7,8,9-HpCDF-13C	2.00	77
1,2,3,4,7,8-HxCDF	0.0110	-----	0.00940 J	1,2,3,4,6,7,8-HpCDD-13C	2.00	75
1,2,3,6,7,8-HxCDF	ND	-----	0.00940	OCDD-13C	4.00	82
2,3,4,6,7,8-HxCDF	ND	-----	0.00940			
1,2,3,7,8,9-HxCDF	ND	-----	0.00940	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.2500	-----	0.00940	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00940	2,3,7,8-TCDD-37Cl4	0.20	107
1,2,3,6,7,8-HxCDD	0.0700	-----	0.00940			
1,2,3,7,8,9-HxCDD	ND	-----	0.00940			
Total HxCDD	0.1600	-----	0.00940			
1,2,3,4,6,7,8-HpCDF	0.1800	-----	0.00940	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0150	-----	0.00940 J	Equivalence: 0.044 ng/L		
Total HpCDF	0.9300	-----	0.00940	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	1.6000	-----	0.00940			
Total HpCDD	2.5000	-----	0.00940			
OCDF	1.7000	-----	0.01900			
OCDD	17.0000	-----	0.01900			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
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 B = Less than 10 times higher than method blank level
 P = Recovery outside of target range
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 E = PCDE Interference
 S = Saturated signal
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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DUP 1		
Lab Sample ID	103656179		
Filename	F20712B_10		
Injected By	MRO		
Total Amount Extracted	1061.64 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20712A_14 & F20712B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/13/2002 04:44

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00190	2,3,7,8-TCDF-13C	2.00	105
Total TCDF	0.0042	-----	0.00190 J	2,3,7,8-TCDD-13C	2.00	108
				1,2,3,7,8-PeCDF-13C	2.00	102
2,3,7,8-TCDD	ND	-----	0.00190	2,3,4,7,8-PeCDF-13C	2.00	97
Total TCDD	ND	-----	0.00190	1,2,3,7,8-PeCDD-13C	2.00	93
				1,2,3,4,7,8-HxCDF-13C	2.00	113
1,2,3,7,8-PeCDF	ND	-----	0.00940	1,2,3,6,7,8-HxCDF-13C	2.00	128
2,3,4,7,8-PeCDF	ND	-----	0.00940	2,3,4,6,7,8-HxCDF-13C	2.00	96
Total PeCDF	0.0200	-----	0.00940 J	1,2,3,7,8,9-HxCDF-13C	2.00	122
				1,2,3,4,7,8-HxCDD-13C	2.00	108
1,2,3,7,8-PeCDD	ND	-----	0.00940	1,2,3,6,7,8-HxCDD-13C	2.00	115
Total PeCDD	ND	-----	0.00940	1,2,3,4,6,7,8-HpCDF-13C	2.00	101
				1,2,3,4,7,8,9-HpCDF-13C	2.00	94
1,2,3,4,7,8-HxCDF	ND	-----	0.00940	1,2,3,4,6,7,8-HpCDD-13C	2.00	89
1,2,3,6,7,8-HxCDF	ND	-----	0.00940	OCDD-13C	4.00	97
2,3,4,6,7,8-HxCDF	ND	-----	0.00940			
1,2,3,7,8,9-HxCDF	ND	-----	0.00940	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.2100	-----	0.00940	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00940	2,3,7,8-TCDD-37Cl4	0.20	108
1,2,3,6,7,8-HxCDD	0.0650	-----	0.00940			
1,2,3,7,8,9-HxCDD	ND	-----	0.00940			
Total HxCDD	0.1500	-----	0.00940			
1,2,3,4,6,7,8-HpCDF	0.1300	-----	0.00940	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0110	-----	0.00940 J	Equivalence: 0.028 ng/L		
Total HpCDF	0.5800	-----	0.00940	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	1.1000	-----	0.00940			
Total HpCDD	1.7000	-----	0.00940			
OCDF	0.8500	-----	0.01900			
OCDD	8.8000	-----	0.01900			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	DUP 2		
Lab Sample ID	103656187		
Filename	F20712B_11		
Injected By	MRO		
Total Amount Extracted	1059.36 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20712A_14 & F20712B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/13/2002 05:34

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00190	2,3,7,8-TCDF-13C	2.00	88
Total TCDF	ND	----	0.00190	2,3,7,8-TCDD-13C	2.00	90
				1,2,3,7,8-PeCDF-13C	2.00	90
2,3,7,8-TCDD	ND	----	0.00190	2,3,4,7,8-PeCDF-13C	2.00	87
Total TCDD	ND	----	0.00190	1,2,3,7,8-PeCDD-13C	2.00	77
				1,2,3,4,7,8-HxCDF-13C	2.00	115
1,2,3,7,8-PeCDF	ND	----	0.00940	1,2,3,6,7,8-HxCDF-13C	2.00	125
2,3,4,7,8-PeCDF	ND	----	0.00940	2,3,4,6,7,8-HxCDF-13C	2.00	121
Total PeCDF	ND	----	0.00940	1,2,3,7,8,9-HxCDF-13C	2.00	107
				1,2,3,4,7,8-HxCDD-13C	2.00	100
1,2,3,7,8-PeCDD	ND	----	0.00940	1,2,3,6,7,8-HxCDD-13C	2.00	115
Total PeCDD	ND	----	0.00940	1,2,3,4,6,7,8-HpCDF-13C	2.00	98
				1,2,3,4,7,8,9-HpCDF-13C	2.00	89
1,2,3,4,7,8-HxCDF	ND	----	0.00940	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
1,2,3,6,7,8-HxCDF	ND	----	0.00940	OCDD-13C	4.00	90
2,3,4,6,7,8-HxCDF	ND	----	0.00940			
1,2,3,7,8,9-HxCDF	ND	----	0.00940	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.050	----	0.00940	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.00940	2,3,7,8-TCDD-37Cl4	0.20	89
1,2,3,6,7,8-HxCDD	0.014	----	0.00940 J			
1,2,3,7,8,9-HxCDD	ND	----	0.00940			
Total HxCDD	0.027	----	0.00940 J			
1,2,3,4,6,7,8-HpCDF	0.041	----	0.00940 J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.00940	Equivalence: 0.0083 ng/L		
Total HpCDF	0.210	----	0.00940	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.300	----	0.00940			
Total HpCDD	0.470	----	0.00940			
OCDF	0.360	----	0.01900			
OCDD	3.100	----	0.01900			

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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	EQP B1		
Lab Sample ID	103656146		
Filename	F20712B_08		
Injected By	MRO		
Total Amount Extracted	1056.76 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20712A_14 & F20712B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/13/2002 03:05

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.0019	2,3,7,8-TCDF-13C	2.00	82
Total TCDF	ND	-----	0.0019	2,3,7,8-TCDD-13C	2.00	74
				1,2,3,7,8-PeCDF-13C	2.00	72
2,3,7,8-TCDD	ND	-----	0.0022 A	2,3,4,7,8-PeCDF-13C	2.00	71
Total TCDD	ND	-----	0.0019	1,2,3,7,8-PeCDD-13C	2.00	64
				1,2,3,4,7,8-HxCDF-13C	2.00	84
1,2,3,7,8-PeCDF	ND	-----	0.0095	1,2,3,6,7,8-HxCDF-13C	2.00	96
2,3,4,7,8-PeCDF	ND	-----	0.0095	2,3,4,6,7,8-HxCDF-13C	2.00	92
Total PeCDF	ND	-----	0.0095	1,2,3,7,8,9-HxCDF-13C	2.00	82
				1,2,3,4,7,8-HxCDD-13C	2.00	78
1,2,3,7,8-PeCDD	ND	-----	0.0095	1,2,3,6,7,8-HxCDD-13C	2.00	80
Total PeCDD	ND	-----	0.0095	1,2,3,4,6,7,8-HpCDF-13C	2.00	72
				1,2,3,4,7,8,9-HpCDF-13C	2.00	66
1,2,3,4,7,8-HxCDF	ND	-----	0.0095	1,2,3,4,6,7,8-HpCDD-13C	2.00	63
1,2,3,6,7,8-HxCDF	ND	-----	0.0095	OCDD-13C	4.00	66
2,3,4,6,7,8-HxCDF	ND	-----	0.0095			
1,2,3,7,8,9-HxCDF	ND	-----	0.0095	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.0095	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.0095	2,3,7,8-TCDD-37Cl4	0.20	104
1,2,3,6,7,8-HxCDD	ND	-----	0.0095			
1,2,3,7,8,9-HxCDD	ND	-----	0.0095			
Total HxCDD	ND	-----	0.0095			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.0095	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.0095	Equivalence: 0.000071 ng/L		
Total HpCDF	ND	-----	0.0095	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.0095			
Total HpCDD	ND	-----	0.0095			
OCDF	ND	-----	0.0190			
OCDD	0.071	-----	0.0190 BJ			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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 P = Recovery outside of target range
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Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	EQP B2	Matrix	WATER
Lab Sample ID	103656161	Dilution	NA
Filename	F20712B_09	Collected	06/25/2002
Injected By	MRO	Received	06/27/2002
Total Amount Extracted	1060.69 mL	Extracted	07/01/2002
% Moisture	NA	Analyzed	07/13/2002 03:55
Dry Weight Extracted	NA		
ICAL Date	05/04/2002		
CCal Filename(s)	F20712A_14 & F20712B_14		
Method Blank ID	BLANK-1870		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00190	2,3,7,8-TCDF-13C	2.00	103
Total TCDF	ND	----	0.00190	2,3,7,8-TCDD-13C	2.00	100
				1,2,3,7,8-PeCDF-13C	2.00	95
2,3,7,8-TCDD	ND	----	0.00190	2,3,4,7,8-PeCDF-13C	2.00	92
Total TCDD	ND	----	0.00190	1,2,3,7,8-PeCDD-13C	2.00	86
				1,2,3,4,7,8-HxCDF-13C	2.00	111
1,2,3,7,8-PeCDF	ND	----	0.00940	1,2,3,6,7,8-HxCDF-13C	2.00	130
2,3,4,7,8-PeCDF	ND	----	0.00940	2,3,4,6,7,8-HxCDF-13C	2.00	123
Total PeCDF	ND	----	0.00940	1,2,3,7,8,9-HxCDF-13C	2.00	110
				1,2,3,4,7,8-HxCDD-13C	2.00	103
1,2,3,7,8-PeCDD	ND	----	0.00940	1,2,3,6,7,8-HxCDD-13C	2.00	113
Total PeCDD	ND	----	0.00940	1,2,3,4,6,7,8-HpCDF-13C	2.00	98
				1,2,3,4,7,8,9-HpCDF-13C	2.00	90
1,2,3,4,7,8-HxCDF	ND	----	0.00940	1,2,3,4,6,7,8-HpCDD-13C	2.00	85
1,2,3,6,7,8-HxCDF	ND	----	0.00940	OCDD-13C	4.00	91
2,3,4,6,7,8-HxCDF	ND	----	0.00940			
1,2,3,7,8,9-HxCDF	ND	----	0.00940	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	0.00940	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.00940	2,3,7,8-TCDD-37Cl4	0.20	97
1,2,3,6,7,8-HxCDD	ND	----	0.00940			
1,2,3,7,8,9-HxCDD	ND	----	0.00940			
Total HxCDD	ND	----	0.00940			
1,2,3,4,6,7,8-HpCDF	ND	----	0.00940	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.00940	Equivalence: 0.000060 ng/L		
Total HpCDF	ND	----	0.00940	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	0.00940			
Total HpCDD	ND	----	0.00940			
OCDF	ND	----	0.01900			
OCDD	0.060	----	0.01900	BJ		

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REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	MW-3		
Lab Sample ID	103656021		
Filename	F20711B_12		
Injected By	MRO		
Total Amount Extracted	992.8 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20711A_12 & F20711B_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/12/2002 06:43

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0024 A	2,3,7,8-TCDF-13C	2.00	69
Total TCDF	0.0026	----	0.0020 J	2,3,7,8-TCDD-13C	2.00	66
				1,2,3,7,8-PeCDF-13C	2.00	61
2,3,7,8-TCDD	ND	----	0.0023 A	2,3,4,7,8-PeCDF-13C	2.00	59
Total TCDD	ND	----	0.0020	1,2,3,7,8-PeCDD-13C	2.00	56
				1,2,3,4,7,8-HxCDF-13C	2.00	73
1,2,3,7,8-PeCDF	ND	----	0.0100	1,2,3,6,7,8-HxCDF-13C	2.00	80
2,3,4,7,8-PeCDF	ND	----	0.0100	2,3,4,6,7,8-HxCDF-13C	2.00	76
Total PeCDF	ND	----	0.0100	1,2,3,7,8,9-HxCDF-13C	2.00	78
				1,2,3,4,7,8-HxCDD-13C	2.00	71
1,2,3,7,8-PeCDD	ND	----	0.0100	1,2,3,6,7,8-HxCDD-13C	2.00	72
Total PeCDD	ND	----	0.0100	1,2,3,4,6,7,8-HpCDF-13C	2.00	64
				1,2,3,4,7,8,9-HpCDF-13C	2.00	59
1,2,3,4,7,8-HxCDF	ND	----	0.0100	1,2,3,4,6,7,8-HpCDD-13C	2.00	56
1,2,3,6,7,8-HxCDF	ND	----	0.0100	OCDD-13C	4.00	64
2,3,4,6,7,8-HxCDF	ND	----	0.0100			
1,2,3,7,8,9-HxCDF	ND	----	0.0100	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.0690	----	0.0100	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.0100	2,3,7,8-TCDD-37Cl4	0.20	104
1,2,3,6,7,8-HxCDD	0.0260	----	0.0100 J			
1,2,3,7,8,9-HxCDD	ND	----	0.0100			
Total HxCDD	0.0560	----	0.0100 J			
1,2,3,4,6,7,8-HpCDF	0.0480	----	0.0100 J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0100	Equivalence: 0.011 ng/L		
Total HpCDF	0.2100	----	0.0100	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.4400	----	0.0100			
Total HpCDD	0.6900	----	0.0100			
OCDF	0.3100	----	0.0200			
OCDD	3.5000	----	0.0200			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	MW-6	Matrix	WATER
Lab Sample ID	103656039	Dilution	NA
Filename	F20711B_13	Collected	06/25/2002
Injected By	MRO	Received	06/27/2002
Total Amount Extracted	993.41 mL	Extracted	07/01/2002
% Moisture	NA	Analyzed	07/12/2002 07:33
Dry Weight Extracted	NA		
ICAL Date	05/04/2002		
CCal Filename(s)	F20711A_12 & F20711B_14		
Method Blank ID	BLANK-1870		

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.00200	2,3,7,8-TCDF-13C	2.00	110
Total TCDF	ND	-----	0.00200	2,3,7,8-TCDD-13C	2.00	105
				1,2,3,7,8-PeCDF-13C	2.00	108
2,3,7,8-TCDD	ND	-----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	100
Total TCDD	ND	-----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	90
				1,2,3,4,7,8-HxCDF-13C	2.00	128
1,2,3,7,8-PeCDF	ND	-----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	142 P
2,3,4,6,7,8-PeCDF	ND	-----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	134
Total PeCDF	ND	-----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	127
				1,2,3,4,7,8-HxCDD-13C	2.00	117
1,2,3,7,8-PeCDD	ND	-----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	126
Total PeCDD	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	109
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	-----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	94
1,2,3,6,7,8-HxCDF	ND	-----	0.01000	OCDD-13C	4.00	111
2,3,4,6,7,8-HxCDF	ND	-----	0.01000			
1,2,3,7,8,9-HxCDF	ND	-----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.042	-----	0.01000 J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	108
1,2,3,6,7,8-HxCDD	0.015	-----	0.01000 J			
1,2,3,7,8,9-HxCDD	ND	-----	0.01000			
Total HxCDD	0.031	-----	0.01000 J			
1,2,3,4,6,7,8-HpCDF	0.034	-----	0.01000 J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.01000	Equivalence: 0.0075 ng/L		
Total HpCDF	0.170	-----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.280	-----	0.01000			
Total HpCDD	0.440	-----	0.01000			
OCDF	0.270	-----	0.02000 B			
OCDD	2.600	-----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
 EMPC = Estimated Maximum Possible Concentration
 A = Detection Limit based on signal-to-noise measurement
 J = Concentration detected is below the calibration range
 B = Less than 10 times higher than method blank level
 P = Recovery outside of target range
 Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
 I = Interference
 E = PCDE Interference
 S = Saturated signal
 ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated
 * = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	MW-7		
Lab Sample ID	103656047		
Filename	F20712A_09		
Injected By	MRO		
Total Amount Extracted	993.27 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/25/2002
ICAL Date	05/04/2002	Received	06/27/2002
CCal Filename(s)	F20711B_14 & F20712A_14	Extracted	07/01/2002
Method Blank ID	BLANK-1870	Analyzed	07/12/2002 16:15

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.00200	2,3,7,8-TCDF-13C	2.00	105
Total TCDF	ND	----	0.00200	2,3,7,8-TCDD-13C	2.00	106
				1,2,3,7,8-PeCDF-13C	2.00	103
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	105
Total TCDD	ND	----	0.00200	1,2,3,7,8-PeCDD-13C	2.00	96
				1,2,3,4,7,8-HxCDF-13C	2.00	119
1,2,3,7,8-PeCDF	ND	----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	132
2,3,4,7,8-PeCDF	ND	----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	115
Total PeCDF	ND	----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	120
				1,2,3,4,7,8-HxCDD-13C	2.00	110
1,2,3,7,8-PeCDD	ND	----	0.01000	1,2,3,6,7,8-HxCDD-13C	2.00	116
Total PeCDD	ND	----	0.01000	1,2,3,4,6,7,8-HpCDF-13C	2.00	100
				1,2,3,4,7,8,9-HpCDF-13C	2.00	91
1,2,3,4,7,8-HxCDF	ND	----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	90
1,2,3,6,7,8-HxCDF	ND	----	0.01000	OCDD-13C	4.00	96
2,3,4,6,7,8-HxCDF	ND	----	0.01000			
1,2,3,7,8,9-HxCDF	ND	----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.080	----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	110
1,2,3,6,7,8-HxCDD	0.029	----	0.01000 J			
1,2,3,7,8,9-HxCDD	ND	----	0.01000			
Total HxCDD	0.059	----	0.01000 J			
1,2,3,4,6,7,8-HpCDF	0.130	----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.011	----	0.01000 J	Equivalence: 0.034 ng/L		
Total HpCDF	0.670	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	1.200	----	0.01000			
Total HpCDD	1.800	----	0.01000			
OCDF	1.600	----	0.02000			
OCDD	17.000	----	0.02000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1 059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	MW-10				
Lab Sample ID	103656062				
Filename	F20712A_10				
Injected By	MRO				
Total Amount Extracted	992.14 mL	Matrix		WATER	
% Moisture	NA	Dilution		NA	
Dry Weight Extracted	NA	Collected		06/25/2002	
ICAL Date	05/04/2002	Received		06/27/2002	
CCal Filename(s)	F20711B_14 & F20712A_14	Extracted		07/01/2002	
Method Blank ID	BLANK-1870	Analyzed		07/12/2002 17:05	

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.0640	----	0.00200	2,3,7,8-TCDF-13C	2.00	98
Total TCDF	0.3000	----	0.00200	2,3,7,8-TCDD-13C	2.00	86
				1,2,3,7,8-PeCDF-13C	2.00	89
2,3,7,8-TCDD	ND	----	0.00200	2,3,4,7,8-PeCDF-13C	2.00	89
Total TCDD	0.0026	----	0.00200 J	1,2,3,7,8-PeCDD-13C	2.00	91
				1,2,3,4,7,8-HxCDF-13C	2.00	108
1,2,3,7,8-PeCDF	0.2400	----	0.01000	1,2,3,6,7,8-HxCDF-13C	2.00	105
2,3,4,7,8-PeCDF	0.3600	----	0.01000	2,3,4,6,7,8-HxCDF-13C	2.00	107
Total PeCDF	2.7000	----	0.01000	1,2,3,7,8,9-HxCDF-13C	2.00	110
				1,2,3,4,7,8-HxCDD-13C	2.00	114
1,2,3,7,8-PeCDD	0.0180	----	0.01000 J	1,2,3,6,7,8-HxCDD-13C	2.00	99
Total PeCDD	0.0180	----	0.01000 J	1,2,3,4,6,7,8-HpCDF-13C	2.00	97
				1,2,3,4,7,8,9-HpCDF-13C	2.00	95
1,2,3,4,7,8-HxCDF	0.6700	----	0.01000	1,2,3,4,6,7,8-HpCDD-13C	2.00	99
1,2,3,6,7,8-HxCDF	0.2400	----	0.01000	OCDD-13C	4.00	97
2,3,4,6,7,8-HxCDF	0.2500	----	0.01000			
1,2,3,7,8,9-HxCDF	0.4200	----	0.01000	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	14.0000	----	0.01000	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.01000	2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	7.0000	----	0.01000			
1,2,3,7,8,9-HxCDD	0.3600	----	0.01000			
Total HxCDD	16.0000	----	0.01000			
1,2,3,4,6,7,8-HpCDF	5.2000	----	0.01000	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.2600	----	0.01000	Equivalence: 2.6 ng/L		
Total HpCDF	17.0000	----	0.01000	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	89.0000	----	0.01000			
Total HpCDD	140.0000	----	0.01000			
OCDF	11.0000	----	0.02000			
OCDD	520.0000	----	0.40000 N2			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
EMPC = Estimated Maximum Possible Concentration
A = Detection Limit based on signal-to-noise measurement
J = Concentration detected is below the calibration range
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis

LRL = Lower Reporting Limit
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-1871	Matrix	WATER
Filename	F20711B_01	Dilution	NA
Total Amount Extracted	931.1 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/11/2002 20:24
CCal Filename(s)	F20711A_12 & F20711B_14	Injected By	MRO
Method Blank ID	BLANK-1870		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	97	2,3,7,8-TCDF-13C	2.00	103
				2,3,7,8-TCDD-13C	2.00	98
				1,2,3,7,8-PeCDF-13C	2.00	96
2,3,7,8-TCDD	0.20	0.16	82	2,3,4,7,8-PeCDF-13C	2.00	94
				1,2,3,7,8-PeCDD-13C	2.00	84
				1,2,3,4,7,8-HxCDF-13C	2.00	119
1,2,3,7,8-PeCDF	1.00	0.96	96	1,2,3,6,7,8-HxCDF-13C	2.00	126
2,3,4,7,8-PeCDF	1.00	0.97	97	2,3,4,6,7,8-HxCDF-13C	2.00	123
				1,2,3,7,8,9-HxCDF-13C	2.00	116
1,2,3,7,8-PeCDD	1.00	0.94	94	1,2,3,4,7,8-HxCDD-13C	2.00	111
				1,2,3,6,7,8-HxCDD-13C	2.00	106
				1,2,3,4,6,7,8-HpCDF-13C	2.00	97
1,2,3,4,7,8-HxCDF	1.00	0.91	91	1,2,3,4,7,8,9-HpCDF-13C	2.00	93
1,2,3,6,7,8-HxCDF	1.00	0.88	88	1,2,3,4,6,7,8-HpCDD-13C	2.00	86
2,3,4,6,7,8-HxCDF	1.00	0.94	94	OCDD-13C	4.00	100
1,2,3,7,8,9-HxCDF	1.00	0.88	88	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.93	93	2,3,7,8-TCDD-37Cl4	0.20	106
1,2,3,6,7,8-HxCDD	1.00	0.93	93			
1,2,3,7,8,9-HxCDD	1.00	0.91	91			
1,2,3,4,6,7,8-HpCDF	1.00	0.85	85			
1,2,3,4,7,8,9-HpCDF	1.00	0.86	86			
1,2,3,4,6,7,8-HpCDD	1.00	0.93	93			
OCDF	2.00	1.98	99			
OCDD	2.00	1.90	95			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....02-1059399

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Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-DUP-1872	Matrix	WATER
Filename	F20712A_01	Dilution	NA
Total Amount Extracted	943.03 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/12/2002 09:38
CCal Filename(s)	F20711B_14 & F20712A_14	Injected By	MRO
Method Blank ID	BLANK-1870		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.19	94	2,3,7,8-TCDF-13C	2.00	105
				2,3,7,8-TCDD-13C	2.00	100
				1,2,3,7,8-PeCDF-13C	2.00	98
2,3,7,8-TCDD	0.20	0.17	85	2,3,4,7,8-PeCDF-13C	2.00	93
				1,2,3,7,8-PeCDD-13C	2.00	84
				1,2,3,4,7,8-HxCDF-13C	2.00	118
1,2,3,7,8-PeCDF	1.00	0.96	96	1,2,3,6,7,8-HxCDF-13C	2.00	134
2,3,4,7,8-PeCDF	1.00	0.99	99	2,3,4,6,7,8-HxCDF-13C	2.00	119
				1,2,3,7,8,9-HxCDF-13C	2.00	121
				1,2,3,4,7,8-HxCDD-13C	2.00	107
1,2,3,7,8-PeCDD	1.00	0.91	91	1,2,3,6,7,8-HxCDD-13C	2.00	119
				1,2,3,4,6,7,8-HpCDF-13C	2.00	98
1,2,3,4,7,8-HxCDF	1.00	0.94	94	1,2,3,4,7,8,9-HpCDF-13C	2.00	92
1,2,3,6,7,8-HxCDF	1.00	0.84	84	1,2,3,4,6,7,8-HpCDD-13C	2.00	87
2,3,4,6,7,8-HxCDF	1.00	0.95	95	OCDD-13C	4.00	98
1,2,3,7,8,9-HxCDF	1.00	0.91	91	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.94	94	2,3,7,8-TCDD-37Cl4	0.20	109
1,2,3,6,7,8-HxCDD	1.00	0.94	94			
1,2,3,7,8,9-HxCDD	1.00	0.92	92			
1,2,3,4,6,7,8-HpCDF	1.00	0.87	87			
1,2,3,4,7,8,9-HpCDF	1.00	0.88	88			
1,2,3,4,6,7,8-HpCDD	1.00	0.91	91			
OCDF	2.00	1.98	99			
OCDD	2.00	1.86	93			

Qs = Quantity Spiked
 Qm = Quantity Measured
 Rec. = Recovery (Expressed as Percent)
 P = Recovery outside of target range
 X = Background subtracted value
 Nn = Value obtained from additional analysis
 NA = Not Applicable
 * = See Discussion

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SPIKE RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... ROBERT E LEE

SPIKE 1 ID..... SPIKE-1871
 SPIKE 1 Filename..... F20711B_01
 SPIKE 2 ID..... SPIKE-DUP-1872
 SPIKE 2 Filename..... F20712A_01

COMPOUND	SPIKE 1 REC,%	SPIKE 2 REC,%	RPD,%
2378-TCDF	97	94	3.1
2378-TCDD	82	85	3.6
12378-PeCDF	96	96	0.0
23478-PeCDF	97	99	2.0
12378-PeCDD	94	91	3.2
123478-HxCDF	91	94	3.2
123678-HxCDF	88	84	4.7
234678-HxCDF	94	95	1.1
123789-HxCDF	88	91	3.4
123478-HxCDD	93	94	1.1
123678-HxCDD	93	94	1.1
123789-HxCDD	91	92	1.1
1234678-HpCDF	85	87	2.3
1234789-HpCDF	86	88	2.3
1234678-HpCDD	93	91	2.2
OCDF	99	99	0.0
OCDD	95	93	2.1

REC = Percent Recovered
 RPD = The difference between the two values divided by the average.
 NA = Not Applicable

Report No..... 02-1059399



Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-1896	Matrix	WATER
Filename	U20716B_02	Dilution	NA
Total Amount Extracted	945.8 mL	Extracted	07/15/2002
ICAL Date	07/01/2002	Analyzed	07/16/2002 22:56
CCal Filename(s)	U20716A_15 & U20716B_15	Injected By	CVS
Method Blank ID	BLANK-1895		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.17	86	2,3,7,8-TCDF-13C	2.00	80
				2,3,7,8-TCDD-13C	2.00	82
				1,2,3,7,8-PeCDF-13C	2.00	87
2,3,7,8-TCDD	0.20	0.16	80	2,3,4,7,8-PeCDF-13C	2.00	87
				1,2,3,7,8-PeCDD-13C	2.00	89
				1,2,3,4,7,8-HxCDF-13C	2.00	102
1,2,3,7,8-PeCDF	1.00	0.84	84	1,2,3,6,7,8-HxCDF-13C	2.00	92
2,3,4,7,8-PeCDF	1.00	0.85	85	2,3,4,6,7,8-HxCDF-13C	2.00	96
				1,2,3,7,8,9-HxCDF-13C	2.00	96
				1,2,3,4,7,8-HxCDD-13C	2.00	111
1,2,3,7,8-PeCDD	1.00	0.83	83	1,2,3,6,7,8-HxCDD-13C	2.00	99
				1,2,3,4,6,7,8-HpCDF-13C	2.00	107
1,2,3,4,7,8-HxCDF	1.00	0.84	84	1,2,3,4,7,8,9-HpCDF-13C	2.00	106
1,2,3,6,7,8-HxCDF	1.00	0.85	85	1,2,3,4,6,7,8-HpCDD-13C	2.00	103
2,3,4,6,7,8-HxCDF	1.00	0.84	84	OCDD-13C	4.00	101
1,2,3,7,8,9-HxCDF	1.00	0.84	84	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.84	84	2,3,7,8-TCDD-37Cl4	0.20	87
1,2,3,6,7,8-HxCDD	1.00	0.86	86			
1,2,3,7,8,9-HxCDD	1.00	0.81	81			
1,2,3,4,6,7,8-HpCDF	1.00	0.83	83			
1,2,3,4,7,8,9-HpCDF	1.00	0.82	82			
1,2,3,4,6,7,8-HpCDD	1.00	0.86	86			
OCDF	2.00	1.59	80			
OCDD	2.00	1.67	83			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

Report No.....02-1059399

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Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-DUP-1897		
Filename	U20716B_03	Matrix	WATER
Total Amount Extracted	957.6 mL	Dilution	NA
ICAL Date	07/01/2002	Extracted	07/15/2002
CCal Filename(s)	U20716A_15 & U20716B_15	Analyzed	07/16/2002 23:45
Method Blank ID	BLANK-1895	Injected By	CVS

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.17	87	2,3,7,8-TCDF-13C	2.00	77
				2,3,7,8-TCDD-13C	2.00	79
				1,2,3,7,8-PeCDF-13C	2.00	82
2,3,7,8-TCDD	0.20	0.16	82	2,3,4,7,8-PeCDF-13C	2.00	81
				1,2,3,7,8-PeCDD-13C	2.00	83
				1,2,3,4,7,8-HxCDF-13C	2.00	91
1,2,3,7,8-PeCDF	1.00	0.87	87	1,2,3,6,7,8-HxCDF-13C	2.00	81
2,3,4,7,8-PeCDF	1.00	0.89	89	2,3,4,6,7,8-HxCDF-13C	2.00	87
				1,2,3,7,8,9-HxCDF-13C	2.00	92
				1,2,3,4,7,8-HxCDD-13C	2.00	100
1,2,3,7,8-PeCDD	1.00	0.88	88	1,2,3,6,7,8-HxCDD-13C	2.00	88
				1,2,3,4,6,7,8-HpCDF-13C	2.00	95
				1,2,3,4,7,8,9-HpCDF-13C	2.00	97
1,2,3,4,7,8-HxCDF	1.00	0.87	87	1,2,3,4,6,7,8-HpCDD-13C	2.00	95
1,2,3,6,7,8-HxCDF	1.00	0.88	88	OCDD-13C	4.00	96
2,3,4,6,7,8-HxCDF	1.00	0.89	89			
1,2,3,7,8,9-HxCDF	1.00	0.86	86	1,2,3,4-TCDD-13C	2.00	NA
				1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	1.00	0.89	89	2,3,7,8-TCDD-37Cl4	0.20	86
1,2,3,6,7,8-HxCDD	1.00	0.89	89			
1,2,3,7,8,9-HxCDD	1.00	0.88	88			
1,2,3,4,6,7,8-HpCDF	1.00	0.89	89			
1,2,3,4,7,8,9-HpCDF	1.00	0.86	86			
1,2,3,4,6,7,8-HpCDD	1.00	0.91	91			
OCDF	2.00	1.65	83			
OCDD	2.00	1.76	88			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Recovery outside of target range
X = Background subtracted value
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

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SPIKE RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... ROBERT E LEE

SPIKE 1 ID..... SPIKE-1896
 SPIKE 1 Filename..... U20716B_02
 SPIKE 2 ID..... SPIKE-DUP-1897
 SPIKE 2 Filename..... U20716B_03

COMPOUND	SPIKE 1 REC,%	SPIKE 2 REC,%	RPD,%
2378-TCDF	86	87	1.2
2378-TCDD	80	82	2.5
12378-PeCDF	84	87	3.5
23478-PeCDF	85	89	4.6
12378-PeCDD	83	88	5.8
123478-HxCDF	84	87	3.5
123678-HxCDF	85	88	3.5
234678-HxCDF	84	89	5.8
123789-HxCDF	84	86	2.4
123478-HxCDD	84	89	5.8
123678-HxCDD	86	89	3.4
123789-HxCDD	81	88	8.3
1234678-HpCDF	83	89	7.0
1234789-HpCDF	82	86	4.8
1234678-HpCDD	86	91	5.6
OCDF	80	83	3.7
OCDD	83	88	5.8

REC = Percent Recovered
 RPD = The difference between the two values divided by the average.
 NA = Not Applicable

Report No..... 02-1059399

DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Robert E. Lee & Associates, Inc.
Attn: Jim Caine
2825 S. Webster Ave
Box 2100
Green Bay, WI 54301



This report contains 22 pages.

The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Project: Chemical Analysis

Client Purchase Order Number: NA

REPORT OF LABORATORY ANALYSIS

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PROJECT: PCDD/PCDF ANALYSES

DATE: July 22, 2002

ISSUED TO: Robert E. Lee & Associates, Inc.
Attn: Mr. Jim Caine
2825 S. Webster Ave.
Box 2100
Green Bay, WI 54301

REPORT NO: 02-1059399

INTRODUCTION

This report presents the results from the analysis performed on one sample which was submitted by a representative of Associated Laboratories. The sample was analyzed for the presence or absence of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) using a modified version of USEPA Method 1613 as described below.

SAMPLE IDENTIFICATION

<u>Client ID</u>	<u>Sample Type</u>	<u>Date Received</u>	<u>PACE ID</u>
BK859	Water	06/27/02	103656005

METHODOLOGY

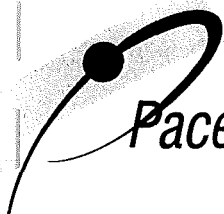
Sample Extraction

The sample was spiked with $^{13}\text{C}_{12}$ -labeled PCDD/PCDF internal standards (Table 1) and extracted with methylene chloride in a separatory funnel. The extract was quantitatively transferred to a Kuderna-Danish concentrator, concentrated, and solvent exchanged to hexane. The hexane extract was then spiked with 2,3,7,8-TCDD- $^{37}\text{Cl}_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below.

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REPORT OF: CHEMICAL ANALYSES

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PROJECT: PCDD/PCDF ANALYSES

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PCDD/PCDF Analyte Enrichment

The extraction procedure often removes a variety of compounds, in addition to the PCDDs and PCDFs, from the sample matrix. Some of these compounds can directly interfere with the analyses while others can overload the capillary column causing degradation in chromatographic resolution or sensitivity. The analyte enrichment steps described below are used to remove interferences from the extracts.

The extract was diluted to 100 mL with hexane, transferred to a separatory funnel, and washed with 1N sodium hydroxide, concentrated sulfuric acid, and aqueous sodium chloride (5% w/v) as needed. The hexane extract was quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1 N sodium hydroxide on silica gel. The column was eluted with 90 mL of hexane and the entire eluate was collected and concentrated, under ambient conditions, to a volume of 1 mL.

The extract was then fractionated on a liquid chromatography column containing 4 g of activated alumina. The column was eluted with 20 mL of hexane followed by 15 mL of 60% methylene chloride/hexane. The 60% methylene chloride/hexane fraction was concentrated under a stream of dry nitrogen, spiked with recovery standards (1,2,3,4-TCDD-¹³C₁₂ and 1,2,3,7,8,9-HxCDD-¹³C₁₂) and taken to a final volume of 20 uL.

PCDD/PCDF Analyses

The sample extract was analyzed for the presence of PCDDs and PCDFs using combined capillary column gas chromatography/high resolution mass spectrometry (HRGC/HRMS). The instrumentation consisted of a Hewlett Packard Model 6890 gas chromatograph interfaced to a Micromass Ultima high-resolution mass spectrometer. The capillary column was interfaced directly into the ion source of the mass spectrometer, thus providing the highest possible sensitivity while minimizing degradation of the chromatographic resolution.

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PCDD/PCDF Analyses (Cont.)

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 ($M/\Delta M$, 10 percent valley definition). This resolution is sufficient to resolve most interferences, such as PCBs, thus providing the highest level of confidence that the detected levels of PCDD/PCDF were not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

The data were acquired by selected-ion-recording (SIR) using groups of ion masses similar to those described in USEPA Method 1613. The five groups corresponded to the tetrachlorinated through octachlorinated congener classes. Each group contained two ion masses for the PCDDs, two ion masses for the PCDFs, the corresponding ion masses from the two isotopically labeled internal standards, and the ion mass characteristic of the polychlorinated diphenylether (PCDE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was used by the data system to automatically correct the mass focus of the instrument. The data system determined the centroid of the lock mass during each data acquisition cycle and corrected the mass focus of the analyte and internal standard ion masses to assure that the centers of the mass peaks were being monitored.

The criteria used to judge positive responses for a PCDD/PCDF isomer included:

- * Simultaneous response at both ion masses of the PCDD or PCDF
- * Signal-to-noise ratio equal to or greater than 2.5:1.0 for both ion masses
- * Chlorine isotope ratio within 15% of the theoretical value
- * Chromatographic retention time within +/- 2 seconds of the expected retention time
- * Chromatographic retention times within elution windows determined from analyses of standard mixtures
- * Absence of simultaneous response in the PCDF and PCDE ion traces

A list of the exact ion masses monitored for the determination of PCDD/PCDF isomers and the PCDE interferences is presented in Table 3. Also included are the theoretical chlorine isotope ratios for the ten congener classes.

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PROJECT: PCDD/PCDF ANALYSES

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PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards. Relative response factors were calculated from analyses of standard mixtures containing representatives of each of the PCDD/PCDF congener classes at five concentration levels, and each of the internal standards at one concentration level, as shown in Table 4. The PCDD/PCDF response factors were calculated by comparing the sum of the responses from the two ion masses monitored for each chlorine congener class to the sum of the responses from the two ion masses of the corresponding isotopically labeled internal standard. The formula for the response factor calculation is:

$$Rf = \frac{A_n \times Q_{is}}{A_{is} \times Q_n}$$

where:

- Rf = Response factor
- A_n = Sum of integrated areas for native isomer
- Q_{is} = Quantity of labeled internal standard
- A_{is} = Sum of integrated areas for labeled internal standard
- Q_n = Quantity of native isomer

The levels of PCDD/PCDF in the sample were quantified using the following equation:

$$C = \frac{A_n \times Q_{is}}{A_{is} \times W \times Rf}$$

where:

- C = Concentration of target isomer or congener class
- A_n = Sum of integrated areas for the target isomer or congener class
- Q_{is} = Quantity of labeled internal standard added to the sample
- A_{is} = Sum of integrated areas for the labeled internal standard
- W = Sample amount
- Rf = Response factor

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PROJECT: PCDD/PCDF ANALYSES

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PCDD/PCDF Quantification and Calculations (Cont.)

Each pair of ion mass peaks in the selected-ion-current chromatograms was evaluated manually to determine if it met the criteria for a PCDD or PCDF isomer. Areas of all peaks exhibiting correct ion ratios, having retention times within the correct windows, and having areas corresponding to concentrations in the range covered by the initial calibration were then summed for calculations of total congener concentrations.

The Pace Reporting Limit (PRL), equivalent to the practical quantitation limit, was determined based on the weight of the sample aliquot that was extracted, the volume of the final extract, and the concentration of the lowest level standard in the calibration curve. A PRL was calculated for each isomer/isomer group using the following equation:

$$\text{PRL} = \frac{(C \times V)}{W}$$

where:

PRL = Pace Reporting Limit
C = Concentration of Lowest Level Standard
V = Volume of Final Extract
W = Initial Sample Amount

The recovery of the 2,3,7,8-TCDD-³⁷Cl₄ enrichment efficiency standard and each ¹³C₁₂-labeled internal standard, relative to either 1,2,3,4-TCDD-¹³C₁₂ or 1,2,3,7,8,9-HxCDD-¹³C₁₂, was calculated using the following equation:

$$\%R = \frac{A_{is} \times Q_{rs} \times 100\%}{R_{fr} \times A_{rs} \times Q_{is}}$$

where:

%R = Percent recovery of labeled internal standard
A_{is} = Sum of integrated areas of labeled internal standard
Q_{rs} = Quantity of recovery standard
A_{rs} = Sum of integrated areas of recovery standard
R_{fr} = Response factor of the specific labeled internal standard relative to the recovery standard
Q_{is} = Quantity of the labeled internal standard congener added to the sample

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PROJECT: PCDD/PCDF ANALYSES

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Quality Control for PCDD/PCDF Analyses

The performance of the sample processing steps and the instrumentation are monitored on a routine basis. The procedures and criteria are summarized below.

One method blank and one laboratory spike sample are typically prepared with each ten samples of any given matrix. The recoveries of the native PCDD/PCDF analytes in the laboratory spike samples generally range from 70 to 130%. Recoveries of selected analytes outside this range do not invalidate the data but provide information which is used by the laboratory to monitor recovery trends and to assure optimization of the method.

Internal standards are spiked into each sample prior to extraction in order to monitor the level of recovery which is achieved for each individual sample. Acceptable recoveries range from 25 to 150 percent for the internal standards unless a deviation is due to variation in instrument response as a result of analytical interferences.

The resolution of the mass spectrometer is verified prior to each analysis to be 10,000 or greater. Hardcopies of the reference peaks are printed at the beginning and end of each analysis day. The resolving power of the DB-5MS chromatographic column is checked daily by analyzing a standard solution containing 2,3,7,8-TCDD and the adjacent TCDD isomers. The DB-225 column resolution is checked daily by analyzing a standard solution containing 2,3,7,8-TCDF and the adjacent TCDF isomers. Acceptable performance is achieved when 2,3,7,8-TCDD or 2,3,7,8-TCDF is resolved from the adjacent isomers by a valley of 25% or less. The group times for the selected-ion-monitoring data acquisitions are also checked daily by analyzing the column performance mix which has been modified to contain the first and last eluting isomers of each congener class. In this way one is assured of collecting data representative of the total PCDD/PCDF content and that the 2,3,7,8-substituted isomers are suitably resolved.

Initial calibrations are generated by analyzing standard solutions (see Table 4) containing target native and labeled PCDD/PCDF compounds. Response factors are calculated and averaged for each compound. These averages are used for quantification and for comparison to the daily continuing calibration. The relative standard deviation for each native compound must be 20% or less (30% or less for the labeled compounds) as specified in Method 8290. A continuing calibration standard is analyzed at the beginning of each 12-hour shift on days when initial calibrations are not performed. The initial calibration is considered to be valid when the response factors from the continuing calibration analysis agree with the averages from the initial calibration within the Method 1613 target limits.

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RESULTS

The results from the analyses are presented in the following:

- Appendix A - Documentation
- Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 80-123% and indicate a high level of efficiency through the extraction and enrichment steps. All of the internal standard recoveries were within the Method 1613 target ranges. Since the quantifications of the native 2,3,7,8-substituted isomers were based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results, found at the beginning of Appendix B, show the blank to a low level of OCDD at the reported detection limits. The sample contained this isomer at a level similar to that seen in the blank and is flagged "B" on the data summary sheet.

Laboratory spike samples were also prepared by extracting laboratory water that had been fortified with native standard materials. The results, found at the end of Appendix B, show that the spiked native compounds were recovered at 82-99% with relative percent differences of 0.0-4.7%. This indicates high degrees of accuracy and precision for these determinations.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

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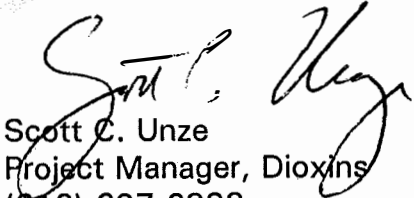
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REMARKS

The sample extract will be retained for a period of 30 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived on magnetic tape for a period of not less than one year. Questions regarding the data contained in this report may be directed to the authors at the numbers provided below.

Pace Analytical Services, Inc.



Scott C. Unze
Project Manager, Dioxins
(612) 607-6383

REPORT OF LABORATORY ANALYSIS

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TABLE 1. Spike Levels of PCDD/PCDF Standards

Internal Standards	Spike Level (ng)
2,3,7,8-TCDF- ¹³ C ₁₂	2.0
2,3,7,8-TCDD- ¹³ C ₁₂	2.0
1,2,3,7,8-PeCDF- ¹³ C ₁₂	2.0
2,3,4,7,8-PeCDF- ¹³ C ₁₂	2.0
1,2,3,7,8-PeCDD- ¹³ C ₁₂	2.0
1,2,3,4,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,6,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,7,8,9-HxCDF- ¹³ C ₁₂	2.0
2,3,4,6,7,8-HxCDF- ¹³ C ₁₂	2.0
1,2,3,4,7,8-HxCDD- ¹³ C ₁₂	2.0
1,2,3,6,7,8-HxCDD- ¹³ C ₁₂	2.0
1,2,3,4,6,7,8-HpCDF- ¹³ C ₁₂	2.0
1,2,3,4,7,8,9-HpCDF- ¹³ C ₁₂	2.0
1,2,3,4,6,7,8-HpCDD- ¹³ C ₁₂	2.0
OCDD- ¹³ C ₁₂	4.0
<u>Recovery Standards</u>	
1,2,3,4-TCDD- ¹³ C ₁₂	2.0
1,2,3,7,8,9-HxCDD- ¹³ C ₁₂	2.0
<u>Enrichment Efficiency Standard</u>	
2,3,7,8-TCDD- ³⁷ Cl ₄	0.2

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**TABLE 2. High Resolution PCDD/PCDF Analyses
HRGC/HRMS Operating Parameters**

Mass Resolution	10,000-11,000 (M/ Δ M, 10% valley)
Electron Energy	32 electron volts
Accelerating Voltage	8,000 volts
Source Temperature	275°C
Preamplifier Gain	10 ⁻⁶ amp/volt
Multiplier Gain	~10 ⁵
Chromatographic Column	60 M DB-5MS
Transfer Line Temperature	260°C
Injection Mode	Splitless
Carrier Gas	Helium
Carrier Flow Velocity	~30 cm/sec

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**TABLE 3. Exact Ion Masses Monitored
for the Determination of PCDDs, PCDFs, and PCDEs**

Ratio Compound	Accurate Mass		Theoretical
	Mass 1	Mass 2	Mass 1/Mass 2
Tetra-CDDs	319.8965	321.8936	0.77
Tetra-CDFs	303.9016	305.8987	0.77
Hexa-CDEs	375.8364		
Penta-CDDs	355.8546	357.8517	1.54
Penta-CDFs	339.8597	341.8567	1.54
Hepta-CDEs	409.7974		
Hexa-CDDs	389.8156	391.8127	1.23
Hexa-CDFs	373.8207	375.8178	1.23
Octa-CDEs	445.7555		
Hepta-CDDs	423.7766	425.7737	1.03
Hepta-CDFs	407.7817	409.7788	1.03
Nona-CDEs	479.7165		
Octa-CDD	457.7377	459.7347	0.88
Octa-CDF	441.7428	443.7398	0.88
Deca-CDE	513.6775		

CDDs = Chlorinated Dibenzo-p-dioxins
CDFs = Chlorinated Dibenzofurans
CDEs = Chlorinated Diphenylethers

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TABLE 4. High Resolution Calibration Solutions

Native CDDs/CDFs	CS1	Concentration (pg/uL)			
		CS2	CS3	CS4	CS5
2,3,7,8-TCDD	0.5	2	10	40	200
2,3,7,8 TCDF	0.5	2	10	40	200
1,2,3,7,8-PeCDD	2.5	10	50	200	1000
1,2,3,7,8-PeCDF	2.5	10	50	200	1000
2,3,4,7,8-PeCDF	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDD	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDD	2.5	10	50	200	1000
1,2,3,4,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,7,8,9-HxCDF	2.5	10	50	200	1000
2,3,4,6,7,8-HxCDF	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDD	2.5	10	50	200	1000
1,2,3,4,6,7,8-HpCDF	2.5	10	50	200	1000
1,2,3,4,7,8,9-HpCDF	2.5	10	50	200	1000
OCDD	5.0	20	100	400	2000
OCDF	5.0	20	100	400	2000
Internal Standards					
2,3,7,8-TCDD- ¹³ C ₁₂	100	100	100	100	100
2,3,7,8-TCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8-PeCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8-PeCDF- ¹³ C ₁₂	100	100	100	100	100
2,3,4,7,8-PeCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8-HxCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,6,7,8-HxCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,6,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8,9-HxCDF- ¹³ C ₁₂	100	100	100	100	100
2,3,4,6,7,8-HxCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,6,7,8-HpCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,6,7,8-HpCDF- ¹³ C ₁₂	100	100	100	100	100
1,2,3,4,7,8,9-HpCDF- ¹³ C ₁₂	100	100	100	100	100
OCDD- ¹³ C ₁₂	200	200	200	200	200
Recovery Standards					
1,2,3,4-TCDD- ¹³ C ₁₂	100	100	100	100	100
1,2,3,7,8,9-HxCDD- ¹³ C ₁₂	100	100	100	100	100
Enrichment Efficiency Standard					
2,3,7,8-TCDD- ³⁷ C ₁₄	0.5	2	10	40	200

REPORT OF LABORATORY ANALYSIS

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Table 5. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

APPENDIX A

REPORT OF LABORATORY ANALYSIS

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Robert E. Lee & Associates, Inc.
 Engineering, Surveying, Laboratory Services
 2825 S. Webster Ave. • Green Bay, WI 54301-2878
 Green Bay Office 920.336.6338 FAX 920.336.9141
 Milwaukee Office 262.569.8893 FAX 262.569.7995

To ensure the proper handling of samples,
 please see the back for instructions.

CHAIN OF CUSTODY RECORD

COC # 90472

10 of 2

Client: Weisenberg Tie and Lumber
 Project Name: Weisenberg Tie and Lumber Project Number: 13551004

Analyses Re:
 (Note special detection li)

PO #: _____ BID #: _____

Environmental Program:
 LUST SDWA WPDES RCRA OTHER

Requested Turnaround Time:
 Normal (next 3-5 days) Rush

Check Delivery Method:
 In Person Mail
 Common Courier Courier Service
 Other _____

Date Needed: _____
 (If not needed, no further notification)

Sampler: [Signature] Sample Type (Matrix):
 DW = Drinking Water
 GW = Groundwater
 WW = Wastewater
 Soil, Oil, Sludge, Air, Other _____

Sample Name	Date	Time	Container	Seal	Preserved	Matrix	No. of Containers	Preservation Type (see key below)
BK 859	6/25/02		A	X	N	DW	1	U
MW-3'			A			GW		
MW-6'			A					
MW-7'			A					
MW-10'			A					
DMW-6A'			A					
DMW-7'			A					
DMW-8'			A					
DPZ-1'			A					
EGP B 1'			A					
EGP B 2'			A					
DPZ 1'			A					

1613
 BNA - Dioxin/Furan 8290
 BNA - Dioxin/Furan 8290

9834

Collection times:

[Signature]

Invoice to:
 Company: **ROBERT E. LEE & ASSOCIATES, INC.**
 Address: **2825 S. WEBSTER AVE**
GREEN BAY, WI 54301-2878
 Telephone: _____
 Fax: _____

REL Sample No.	Remarks:
	103656005
	021
	039
	047
	062
	088
	096
	104
	112
	146
	161
	179

Relinquished By: [Signature] Date: 6/26/02 Time: 7:30 A/P
 Received By: [Signature] Date: 6/26/02 Time: 7:30 A/P
 Received by Lab: [Signature] Date: 6/27/02 Time: 9:45a T = 2°C

Laboratory Receiving Notes
 Temperature of Contents _____ °C
 Custody Seal Intact _____
 Sample Condition _____
 Sample pH _____
 A = AM P = PM

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Preservation Key
 N = Nitric Acid O = Sodium Hydroxide
 H = Hydrochloric Acid U = Unpreserved
 M = f ol S = Acid



Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
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APPENDIX B

REPORT OF LABORATORY ANALYSIS

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Method 1613B Blank Analysis Results

Client - ROBERT E LEE

Lab Sample ID	BLANK-1870	Matrix	WATER
Filename	F20715A_09	Dilution	NA
Total Amount Extracted	1001.87 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/15/2002 21:24
CCal Filename(s)	F20715A_03	Injected By	MRO

Native Isomers	Conc ng/L	EMPC ng/L	PRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0100	2,3,7,8-TCDF-13C	2.00	89
Total TCDF	ND	----	----	2,3,7,8-TCDD-13C	2.00	96
				1,2,3,7,8-PeCDF-13C	2.00	98
2,3,7,8-TCDD	ND	----	0.0100	2,3,4,7,8-PeCDF-13C	2.00	94
Total TCDD	ND	----	----	1,2,3,7,8-PeCDD-13C	2.00	97
				1,2,3,4,7,8-HxCDF-13C	2.00	108
1,2,3,7,8-PeCDF	ND	----	0.0500	1,2,3,6,7,8-HxCDF-13C	2.00	110
2,3,4,7,8-PeCDF	ND	----	0.0500	2,3,4,6,7,8-HxCDF-13C	2.00	109
Total PeCDF	ND	----	----	1,2,3,7,8,9-HxCDF-13C	2.00	102
				1,2,3,4,7,8-HxCDD-13C	2.00	101
1,2,3,7,8-PeCDD	ND	----	0.0500	1,2,3,6,7,8-HxCDD-13C	2.00	112
Total PeCDD	ND	----	----	1,2,3,4,6,7,8-HpCDF-13C	2.00	111
				1,2,3,4,7,8,9-HpCDF-13C	2.00	101
1,2,3,4,7,8-HxCDF	ND	----	0.0500	1,2,3,4,6,7,8-HpCDD-13C	2.00	108
1,2,3,6,7,8-HxCDF	ND	----	0.0500	OCDD-13C	4.00	88
2,3,4,6,7,8-HxCDF	ND	----	0.0500			
1,2,3,7,8,9-HxCDF	ND	----	0.0500	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	----	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.0500	2,3,7,8-TCDD-37Cl4	0.20	100
1,2,3,6,7,8-HxCDD	ND	----	0.0500			
1,2,3,7,8,9-HxCDD	ND	----	0.0500			
Total HxCDD	ND	----	----			
1,2,3,4,6,7,8-HpCDF	ND	----	0.0500	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0500	Equivalence: 0.00017 ng/L		
Total HpCDF	ND	----	----	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	0.0500			
Total HpCDD	ND	----	----			
OCDF	ND	----	0.1000			
OCDD	0.17	----	0.1000			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
PRL = Pace Analytical Reporting Limit
A = Limit of Detection based on signal to noise
P = Recovery outside of method 1613 control limits
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 1613B Analysis Results

Client - ROBERT E LEE

Client's Sample ID	BK 859	Matrix	WATER
Lab Sample ID	103656005	Dilution	NA
Filename	F20711B_11	Collected	06/25/2002
Injected By	MRO	Received	06/27/2002
Total Amount Extracted	1055.35 mL	Extracted	07/01/2002
% Moisture	NA	Analyzed	07/12/2002 05:53
Dry Weight Extracted	NA		
ICAL Date	05/04/2002		
CCal Filename(s)	F20711A_12		
Method Blank ID	BLANK-1870		

Native Isomers	Conc ng/L	EMPC ng/L	PRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	----	0.0095	2,3,7,8-TCDF-13C	2.00	98
Total TCDF	ND	----	----	2,3,7,8-TCDD-13C	2.00	98
				1,2,3,7,8-PeCDF-13C	2.00	96
2,3,7,8-TCDD	ND	----	0.0095	2,3,4,7,8-PeCDF-13C	2.00	89
Total TCDD	ND	----	----	1,2,3,7,8-PeCDD-13C	2.00	80
				1,2,3,4,7,8-HxCDF-13C	2.00	110
1,2,3,7,8-PeCDF	ND	----	0.0470	1,2,3,6,7,8-HxCDF-13C	2.00	123
2,3,4,7,8-PeCDF	ND	----	0.0470	2,3,4,6,7,8-HxCDF-13C	2.00	99
Total PeCDF	ND	----	----	1,2,3,7,8,9-HxCDF-13C	2.00	112
				1,2,3,4,7,8-HxCDD-13C	2.00	104
1,2,3,7,8-PeCDD	ND	----	0.0470	1,2,3,6,7,8-HxCDD-13C	2.00	109
Total PeCDD	ND	----	----	1,2,3,4,6,7,8-HpCDF-13C	2.00	92
				1,2,3,4,7,8,9-HpCDF-13C	2.00	87
1,2,3,4,7,8-HxCDF	ND	----	0.0470	1,2,3,4,6,7,8-HpCDD-13C	2.00	80
1,2,3,6,7,8-HxCDF	ND	----	0.0470	OCDD-13C	4.00	92
2,3,4,6,7,8-HxCDF	ND	----	0.0470			
1,2,3,7,8,9-HxCDF	ND	----	0.0470	1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	----	----	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	----	0.0470	2,3,7,8-TCDD-37Cl4	0.20	93
1,2,3,6,7,8-HxCDD	ND	----	0.0470			
1,2,3,7,8,9-HxCDD	ND	----	0.0470			
Total HxCDD	ND	----	----			
1,2,3,4,6,7,8-HpCDF	ND	----	0.0470	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	----	0.0470	Equivalence: 0.00011 ng/L		
Total HpCDF	ND	----	----	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	----	0.0470			
Total HpCDD	ND	----	----			
OCDF	ND	----	0.0950			
OCDD	0.11	----	0.0950 B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
PRL = Pace Analytical Reporting Limit.
A = Limit of Detection based on signal to noise
B = Less than 10 times higher than method blank level
P = Recovery outside of method 1613 control limits
Nn = Value obtained from additional analysis

I = Interference
E = PCDE Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-1871	Matrix	WATER
Filename	F20711B_01	Dilution	NA
Total Amount Extracted	931.1 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/11/2002 20:24
CCal Filename	F20711A_12	Injected By	MRO
Method Blank ID	BLANK-1870		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.7	7.5	15.8	97
2,3,7,8-TCDD	10	8.2	6.7	15.8	82
1,2,3,7,8-PeCDF	50	48.0	40.0	67.0	96
2,3,4,7,8-PeCDF	50	48.4	34.0	80.0	97
1,2,3,7,8-PeCDD	50	46.9	35.0	71.0	94
1,2,3,4,7,8-HxCDF	50	45.3	36.0	67.0	91
1,2,3,6,7,8-HxCDF	50	44.1	42.0	65.0	88
2,3,4,6,7,8-HxCDF	50	46.8	35.0	78.0	94
1,2,3,7,8,9-HxCDF	50	44.1	39.0	65.0	88
1,2,3,4,7,8-HxCDD	50	46.5	35.0	82.0	93
1,2,3,6,7,8-HxCDD	50	46.6	38.0	67.0	93
1,2,3,7,8,9-HxCDD	50	45.4	32.0	81.0	91
1,2,3,4,6,7,8-HpCDF	50	42.7	41.0	61.0	85
1,2,3,4,7,8,9-HpCDF	50	42.8	39.0	69.0	86
1,2,3,4,6,7,8-HpCDD	50	46.3	35.0	70.0	93
OCDF	100	99.0	63.0	170.0	99
OCDD	100	94.8	78.0	144.0	95
2,3,7,8-TCDD-37Cl4	10	10.6	3.1	19.1	106
2,3,7,8-TCDF-13C	100	102.7	22.0	152.0	103
2,3,7,8-TCDD-13C	100	97.7	20.0	175.0	98
1,2,3,7,8-PeCDF-13C	100	95.9	21.0	192.0	96
2,3,4,7,8-PeCDF-13C	100	93.6	13.0	328.0	94
1,2,3,7,8-PeCDD-13C	100	84.0	21.0	227.0	84
1,2,3,4,7,8-HxCDF-13C	100	118.7	19.0	202.0	119
1,2,3,6,7,8-HxCDF-13C	100	125.7	21.0	159.0	126
2,3,4,6,7,8-HxCDF-13C	100	123.2	22.0	176.0	123
1,2,3,7,8,9-HxCDF-13C	100	116.5	17.0	205.0	116
1,2,3,4,7,8-HxCDD-13C	100	110.5	21.0	193.0	111
1,2,3,6,7,8-HxCDD-13C	100	106.1	25.0	163.0	106
1,2,3,4,6,7,8-HpCDF-13C	100	97.4	21.0	158.0	97
1,2,3,4,7,8,9-HpCDF-13C	100	93.4	20.0	186.0	93
1,2,3,4,6,7,8-HpCDD-13C	100	85.6	26.0	166.0	86
OCDD-13C	200	199.4	26.0	397.0	100

Cs = Concentration Spiked (ng/mL)
 Cr = Concentration Recovered (ng/mL)
 Rec. = Recovery (Expressed as Percent)
 Control Limit Reference: Method 1613, Table 6, 10/94 Revision
 X = Background subtracted value
 P = Recovery outside of control limits
 Nn = Value obtained from additional analysis
 * = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-DUP-1872	Matrix	WATER
Filename	F20712A_01	Dilution	NA
Total Amount Extracted	943.03 mL	Extracted	07/01/2002
ICAL Date	05/04/2002	Analyzed	07/12/2002 09:38
CCal Filename	F20711B_14	Injected By	MRO
Method Blank ID	BLANK-1870		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.4	7.5	15.8	94
2,3,7,8-TCDD	10	8.5	6.7	15.8	85
1,2,3,7,8-PeCDF	50	47.8	40.0	67.0	96
2,3,4,7,8-PeCDF	50	49.3	34.0	80.0	99
1,2,3,7,8-PeCDD	50	45.4	35.0	71.0	91
1,2,3,4,7,8-HxCDF	50	47.0	36.0	67.0	94
1,2,3,6,7,8-HxCDF	50	42.2	42.0	65.0	84
2,3,4,6,7,8-HxCDF	50	47.6	35.0	78.0	95
1,2,3,7,8,9-HxCDF	50	45.5	39.0	65.0	91
1,2,3,4,7,8-HxCDD	50	46.8	35.0	82.0	94
1,2,3,6,7,8-HxCDD	50	46.9	38.0	67.0	94
1,2,3,7,8,9-HxCDD	50	46.2	32.0	81.0	92
1,2,3,4,6,7,8-HpCDF	50	43.3	41.0	61.0	87
1,2,3,4,7,8,9-HpCDF	50	43.8	39.0	69.0	88
1,2,3,4,6,7,8-HpCDD	50	45.7	35.0	70.0	91
OCDF	100	98.9	63.0	170.0	99
OCDD	100	93.1	78.0	144.0	93
2,3,7,8-TCDD-37Cl4	10	10.9	3.1	19.1	109
2,3,7,8-TCDF-13C	100	104.6	22.0	152.0	105
2,3,7,8-TCDD-13C	100	100.5	20.0	175.0	100
1,2,3,7,8-PeCDF-13C	100	97.9	21.0	192.0	98
2,3,4,7,8-PeCDF-13C	100	93.1	13.0	328.0	93
1,2,3,7,8-PeCDD-13C	100	83.6	21.0	227.0	84
1,2,3,4,7,8-HxCDF-13C	100	117.9	19.0	202.0	118
1,2,3,6,7,8-HxCDF-13C	100	134.4	21.0	159.0	134
2,3,4,6,7,8-HxCDF-13C	100	119.5	22.0	176.0	119
1,2,3,7,8,9-HxCDF-13C	100	120.9	17.0	205.0	121
1,2,3,4,7,8-HxCDD-13C	100	107.2	21.0	193.0	107
1,2,3,6,7,8-HxCDD-13C	100	118.8	25.0	163.0	119
1,2,3,4,6,7,8-HpCDF-13C	100	98.4	21.0	158.0	98
1,2,3,4,7,8,9-HpCDF-13C	100	92.4	20.0	186.0	92
1,2,3,4,6,7,8-HpCDD-13C	100	86.5	26.0	166.0	87
OCDD-13C	200	196.9	26.0	397.0	98

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
X = Background subtracted value
P = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

Report No.....02-1059399

REPORT OF LABORATORY ANALYSIS

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 Fax: 612.607.6444
 www.pacelabs.com

SPIKE RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... ROBERT E LEE

SPIKE 1 ID..... SPIKE-1871
 SPIKE 1 Filename..... F20711B_01
 SPIKE 2 ID..... SPIKE-DUP-1872
 SPIKE 2 Filename..... F20712A_01

COMPOUND	SPIKE 1 REC,%	SPIKE 2 REC,%	RPD,%
2378-TCDF	97	94	3.1
2378-TCDD	82	85	3.6
12378-PeCDF	96	96	0.0
23478-PeCDF	97	99	2.0
12378-PeCDD	94	91	3.2
123478-HxCDF	91	94	3.2
123678-HxCDF	88	84	4.7
234678-HxCDF	94	95	1.1
123789-HxCDF	88	91	3.4
123478-HxCDD	93	94	1.1
123678-HxCDD	93	94	1.1
123789-HxCDD	91	92	1.1
1234678-HpCDF	85	87	2.3
1234789-HpCDF	86	88	2.3
1234678-HpCDD	93	91	2.2
OCDF	99	99	0.0
OCDD	95	93	2.1

REC = Percent Recovered
 RPD = The difference between the two values divided by the average.
 NA = Not Applicable

Report No..... 02-1059399

**LABORATORY REPORT
ENVIRONMENTAL HEALTH LABORATORY**

PRIVATE WELL



Environmental Health Laboratories
The Nation's Drinking Water Laboratory

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LABORATORY REPORT

Client: Robert E. Lee & Associates
Attn: Jim Caine
2825 South Webster Avenue
Green Bay, WI 54301

Report: 754796
Priority: Standard Written
Status: Final

Sampling Point: Weisenberger Tie and Lumber / BK859

Samples Submitted: One drinking water sample

Copies to: None

Collected: 06/25/02

By: Client

Received: 06/27/02

REPORT SUMMARY

Pentachlorophenol was not detected in the sample submitted for analysis.

Note: The sample submitted for Method 515.3 analysis was received improperly preserved as demonstrated by the presence of HCL.

Note: Sample container was provided by the client.

Detailed quantitative results are presented on the following page.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call us at 574-233-4777.

Note: This report may not be reproduced, except in full, without written approval from Environmental Health Laboratories (EHL). EHL is accredited by the National Environmental Laboratory Accreditation Program (NELAP). This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

Reviewed By:

Date:

07/18/2002

Finalized By:

Date:

7/18/2002

Sampling Point: Weisenberger Tie and Lumber / BK859

PARAMETER	SDWA Method	MRL * (ug/L)	Results (ug/L)	MCL (ug/L)	Extraction Date	Analysis Date	Lab Number
Alachlor (Lasso)				2			
Aldicarb				postponed			
Aldicarb Sulfone				postponed			
Aldicarb Sulfoxide				postponed			
Aldrin				---			
Aroclor 1016				£			
Aroclor 1221				£			
Aroclor 1232				£			
Aroclor 1242				£			
Aroclor 1248				£			
Aroclor 1254				£			
Aroclor 1260				£			
Atrazine				3			
Benzo(a)pyrene				0.2			
Butachlor				---			
Carbaryl				---			
Carbofuran				40			
Chlordane				2			
2,4-D				70			
Dalapon				200			
1,2-Dibromo-3-chloropropane				0.2			
Dicamba				---			
Dieldrin				---			
Di(2-ethylhexyl)adipate				400			
Di(2-ethylhexyl)phthalate				6			
Dinoseb				7			
Diquat				20			
Endothall				100			
Endrin				2			
Ethylene dibromide (EDB)				0.05			
Glyphosate (Round-up)				700			
Heptachlor				0.4			
Heptachlor epoxide				0.2			
Hexachlorobenzene				1			
Hexachlorocyclopentadiene				50			
3-Hydroxycarbofuran				---			
Lindane (gamma-BHC)				0.2			
Methoxychlor				40			
Methomyl				---			
Metolachlor (Dual)				---			
Metribuzin (Sencor)				---			
Oxamyl (Vydate)				200			
Pentachlorophenol	515.3	0.04	< 0.04	1	07/01/02	07/01/02	754796
Picloram (Tordon)				500			
Propachlor				---			
2,4,5-TP (Silvex)				50			
Simazine				4			
2,3,7,8-TCDD (Dioxin)				0.00003			
Toxaphene				3			

* EHL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

£ Any positive Aroclor result would require analysis for total PCB as decachlorobiphenyl by method 508A (MCL = 0.5 ug/L).

