SEPTEMBER 2001 QUARTERLY GROUNDWATER MONITORING REPORT FOR THE WEISENBERGER TIE & LUMBER SITE MARATHON CITY, WISCONSIN

December 12, 2001

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Pay Req #3
Proj# NMB 00000004

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December 14, 2001

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

RE: September 2001 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 September 24, 2001. The following items require comment:

- A sample could not be collected from monitoring wells DMW-2 and DMW-3, since they were dry.

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/njm

ENC.

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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

MONITORING WELL	MW-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	7.9	21	21	150	85	20	NA	
08/20/92	<10	16	15	150	84	15	NA	
12/20/94	<10	<10	15	120	90	<10	NA	
03/11/98	3.7	1.9	14	85	80	14	<1.3	
06/24/98	2.9	1.6	11	71	71	15	<0.8	

MW-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

= 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	

MW-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

MW-6

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

MW-7

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

MW-10

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DMW-1

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DMW-2

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DMW-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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					

= 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

DMW-4

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DMW-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DMW-6A

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DMW-7

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DMW-8

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DMW-10

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DPZ-1

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

= 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

DPZ-1a

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DPZ-2

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DPZ-3

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	

DPZ-4

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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

DPZ-5

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes 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	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	<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	

DPZ-6

Date Sampled	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Trimethlybenzenes µg/L	MTBE µg/L
WDNR ES	**5**	**1000**	**700**	**10000**	**480**	**60**
9/15/98	<0.50	0.83	<0.60	<1.7	<1.7	<0.92
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	<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

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
= indicates exceedance to WDNR enforcement standards (ES)

MONITORING WELLS
SVOC ANALYSIS

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
WDNR ES	40				1.0					
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

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
WDNR ES	40				1.0					
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	12100	<270	<240	<240	<240	
06/23/98	220	<10	16	17	7400	<10	17	<10	<10	

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

= 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				1.0					
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	11000	<1000	<1000	<1000	<1000	
DUP(12/14/95)	<1000	<1000	<1000	<1000	11000	<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	8700	<94	<69	<87	<66	
9/10/97	<2.0	<1.4	<1.3	<1.5	2.4	<0.94	<0.69	<1.5	<0.66	
12/17/97	<2.1	<1.4	<1.3	<1.5	74	<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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL	MW-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	40				1.0					
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	
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	

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

= 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	2200	<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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL	MW-10									
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)	Comments
WDNR ES	40				1.0					
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	910	<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	<7.2	<6.7	<7.7	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	

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

= 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
WDNR ES	40				1.0					
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	

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

= 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
WDNR ES	40				1.0					
3/11/98	-	-	-	-	-	-	-	-	-	
06/23/98	<2.4	<2.1	<2.3	<2.4	<3.0	<2.6	<2.4	<2.4	<2.4	

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								

= 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								

= 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
WDNR ES	40				1.0					
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	

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

= 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
WDNR ES	40				1.0					
06/03/92	<11	<11	<11	<11	<37	<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
12/17/96	-	-	-	-	-	-	-	-	-	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	

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

= 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	38	<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	

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

= 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
WDNR ES	40				1.0					
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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

MONITORING WELL	DMW-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	40				1.0					
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	<53	<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	

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
WDNR ES	40				1.0					
06/03/92	-	-	-	-	-	-	-	-	-	NS
08/20/92	-	-	-	-	-	-	-	-	-	NS
12/20/94	<10	<10	<10	<10	<25	<10	<10	<10	<10	
03/14/95	<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	<52	<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	

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)	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					
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	-	-	-	-	-	-	-	-	-	NS
03/18/97	-	-	-	-	-	-	-	-	-	FROZEN
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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

PIEZOMETER	DPZ-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					
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	

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
WDNR ES	**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

= 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
WDNR ES	40				1.0					
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	

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

= 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
WDNR ES	40				1.0					
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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

PIEZOMETER	DPZ-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					
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	840	<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	

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

= ES exceedance

WEISENBERGER TIE & LUMBER COMPANY
SVOC Analytical Results

PIEZOMETER	DPZ-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					
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	39	<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	

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

= 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
WDNR ES	40				1.0					
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	120	<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	

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

= 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
WDNR ES	40				1.0					
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	

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

= ES exceedance

SEMI-VOLATILE GROUNDWATER 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	6.8	<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	-	-	-	-	1200	-	-	-	-	
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	-	-	-	-	3200	-	-	-	-	
12/17/97	-	-	-	-	2800	-	-	-	-	
3/11/98	-	-	-	-	3000	-	-	-	-	
06/23/98	<2.4	<2.1	<2.3	<2.4	270	<2.6	<2.4	<2.4	<2.4	

NOTES:
ug/L = micrograms per liter
- = no analysis
Penta. = Pentachlorophenol
Shaded value = NR 140 E S 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	40				1.0					
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	40				1.0					
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	40				1.0					
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	40				1.0					
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 anal sis

Penta. = Pentachlorophenol

Shaded value = NR 140 ES exceedance

NS = not sampled

MONITORING WELLS
DOXIN/FURAN ANALYSIS

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-2

	Compound (pg/l)																	
Date Sampled	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
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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-3

	Compound (pg/l)																	
Date Sampled	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	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	12.0	<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	15.0	<9.4	340	2700	<1.9	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	38	<9.4	220	8.20

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 detction limitbutbelow quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-5

	Compound (pg/l)																	
Date Sampled	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	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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-6

	Compound (pg/l)																	
Date Sampled	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
1/19/1993	0	0	0	0	0	39	763	0	0	0	0	0	3.9	0	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-7

	Compound (pg/l)																	
Date Sampled	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
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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - MW-10

	Compound (pg/l)																	
Date Sampled	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**
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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-1

	Compound (pg/l)																	
Date Sampled	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	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-2

	Compound (pg/l)																	
Date Sampled	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
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																	

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-3

	Compound (pg/l)																	
Date Sampled	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
9/24/2001	NO SAMPLE																	

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

= Exceedance of I-TEQ/89

= Results are above detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-4

	Compound (pg/l)																	
Date Sampled	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	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-5

	Compound (pg/l)																	
Date Sampled	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
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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-6A

	Compound (pg/l)																	
Date Sampled	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	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-7

	Compound (pg/l)																	
Date Sampled	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	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	<45	<48	<42	<35	<46	<63	<4.9	<23	<17	<27	<22	<18	<16	<24	<34	<31	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-8

	Compound (pg/l)																	
Date Sampled	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	152.00	2750.000	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-10

	Compound (pg/l)																	
Date Sampled	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
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 = Inernational Toxicity Equivalents (based on I-TEF/89)

= Exceedance of I-TEQ/89

= Results are above detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DMW-13

	Compound (pg/l)																	
Date Sampled	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
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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-1

	Compound (pg/l)																	
Date Sampled	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	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

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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-1a

	Compound (pg/l)																	
Date Sampled	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	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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-2

	Compound (pg/l)																	
Date Sampled	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
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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-3

	Compound (pg/l)																	
Date Sampled	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	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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-4

	Compound (pg/l)																	
Date Sampled	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
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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-5

	Compound (pg/l)																	
Date Sampled	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	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 detction limit but below quantitation limit

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - DPZ-6

	Compound (pg/l)																
Date Sampled	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
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 detction limit but below quantitation limit

PRIVATE WELL ANALYSIS

WEISENBERGER TIE & LUMBER COMPANY
Private Well Analytical Results

Date Sampled	PCP (µg/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

= Exceedance of WDNR Enforcement Standard of 1.0 µg/L

WEISENBERGER TIE & LUMBER COMPANY

Dioxin/Furan Analytical Results - Private Well

	Compound (pg/l)																	
Date Sampled	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
9/24/2001	<10	<51	<51	<51	<51	<51	260	<10	<51	<51	<51	<51	<51	<51	<51	<51	<100	0.26

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 detction limit but below quantitation limit

CONTOUR MAPS AND FIELD DATA

SITE NAME: WEISENBERGER TIE & LUMBER

ATE BAILED: 9/24/01

DATE SAMPLED: 9/24/01

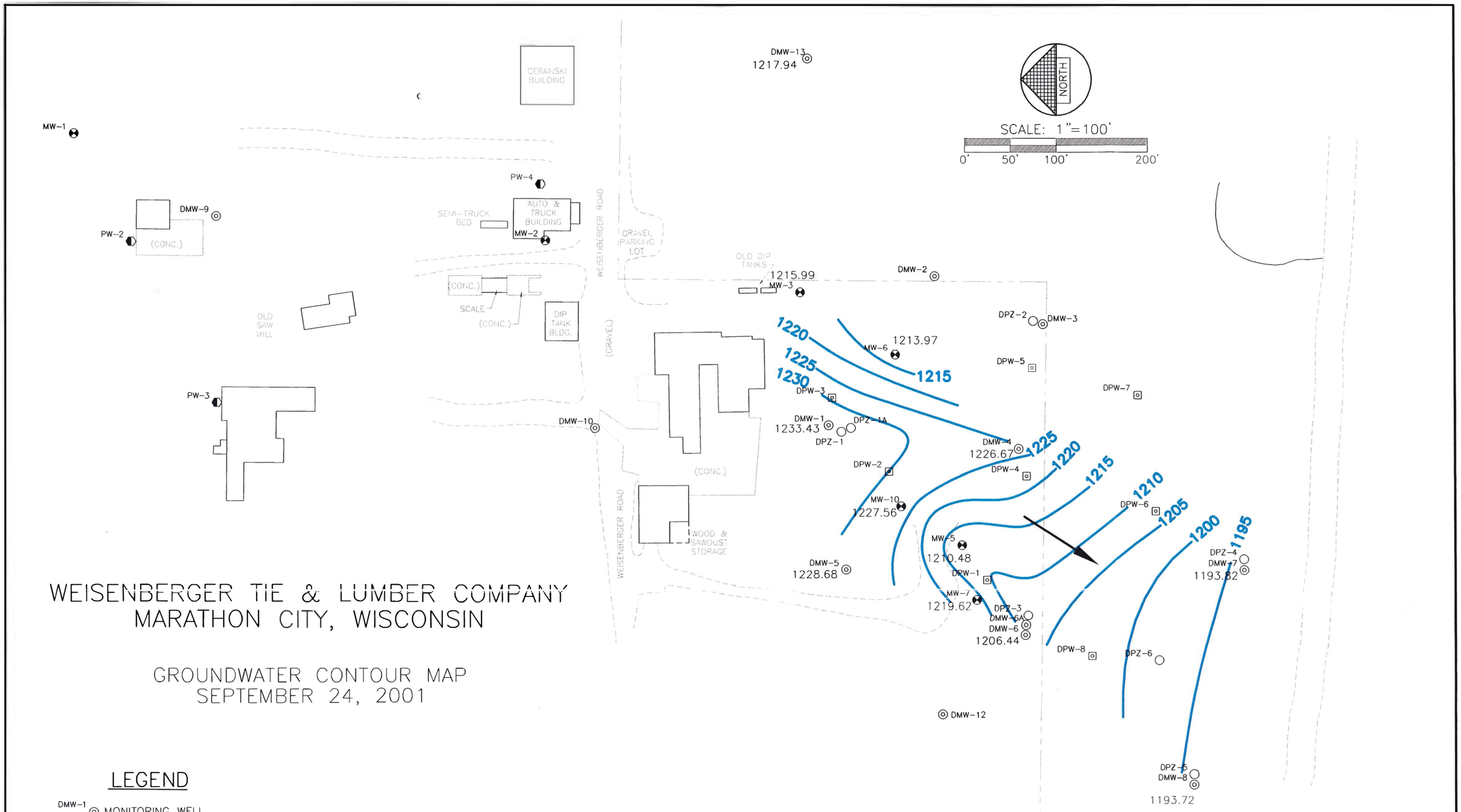
By: CSW

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
M -3	1252.67	56.50	36.68	1215.99	15.0	0.4	6.81	664	10	Y	N	Y	
MW-5	1239.71	52.95	29.23	1210.48	18.5	0.5	7.21	617	9	Y	N	Y	
M -6	1249.44	54.75	35.47	1213.97	15.5	2.5	6.58	319	10	N	N	Y	
M -7	1237.94	30.50	18.32	1219.62	9.5	0.6	7.14	625	10	Y	N	Y	
MW-10	1242.28	22.15	14.72	1227.56	7.0	0.0	6.39	578	11	Y	N	Y	
D V-1	1247.51	18.05	14.08	1233.43	5.0	1.2	6.61	398	11	Y	N	Y	
DMW-2	1246.65	27.30	DRY	NO SAMPLE									
D V-3	1241.46	27.95	DRY	NO SAMPLE									
D V-4	1241.16	19.00	14.49	1226.67	1.0 (Dry)	1.7	6.81	443	12	Y	N	Y	
DMW-5	1244.86	19.00	16.18	1228.68	3.0	2.0	6.84	677	13	N	N	Y	
D V-6A	1236.89	32.84	30.45	1206.44	0.2 (Dry)	5.9	6.58	283	11	N	N	Y	
DMW-7	1212.19	37.99	18.37	1193.82	5.5 (Dry)	2.6	7.08	543	10	N	N	Y	
DMW-8	1210.03	24.80	16.31	1193.72	2.0 (Dry)	2.1	6.98	356	11	N	N	Y	
D V-10	1236.68	30.44		NOT SAMPLED THIS ROUND									
DMW-13	1232.93	54.98	14.99	1217.94	30.0	0.8	7.11	504	10	N	N	Y	
D -1	1247.80	52.20	23.62	1224.18	21.5	1.0	6.76	852	10	Y	N	Y	
DPZ-1a	1248.12	110.15	25.73	1222.39	21.0 (Dry)	1.5	6.85	724	10	N	N	Y	
DPZ-2	1240.84	52.20	30.55	1210.29	17.5	1.5	7.01	343	10	N	N	Y	
D -3	1236.65	49.18	31.00	1205.65	14.0	1.3	7.23	559	9	N	N	Y	
DPZ-4	1213.19	72.88	69.58	1143.61	0.5 (Dry)	2.2	6.98	709	10	N	N	Y	
D -5	1209.38	67.86	16.16	1193.22	19.5 (Dry)	1.6	6.83	586	10	N	N	Y	
D -6	1211.56	47.66	46.24	1165.32	0.2 (Dry)	3.9	6.66	745	11	N	N	Y	
DUP 1 (MW-3)						0.4	6.81	664	10	Y	N	Y	
EQUIP B1							6.18	11.7	15	N	N	N	
T B										N	N	N	
BK859 (PRIVATE WELL)							6.75	195	11	N	N	N	

7/01



WEISENBERGER TIE & LUMBER COMPANY
MARATHON CITY, WISCONSIN

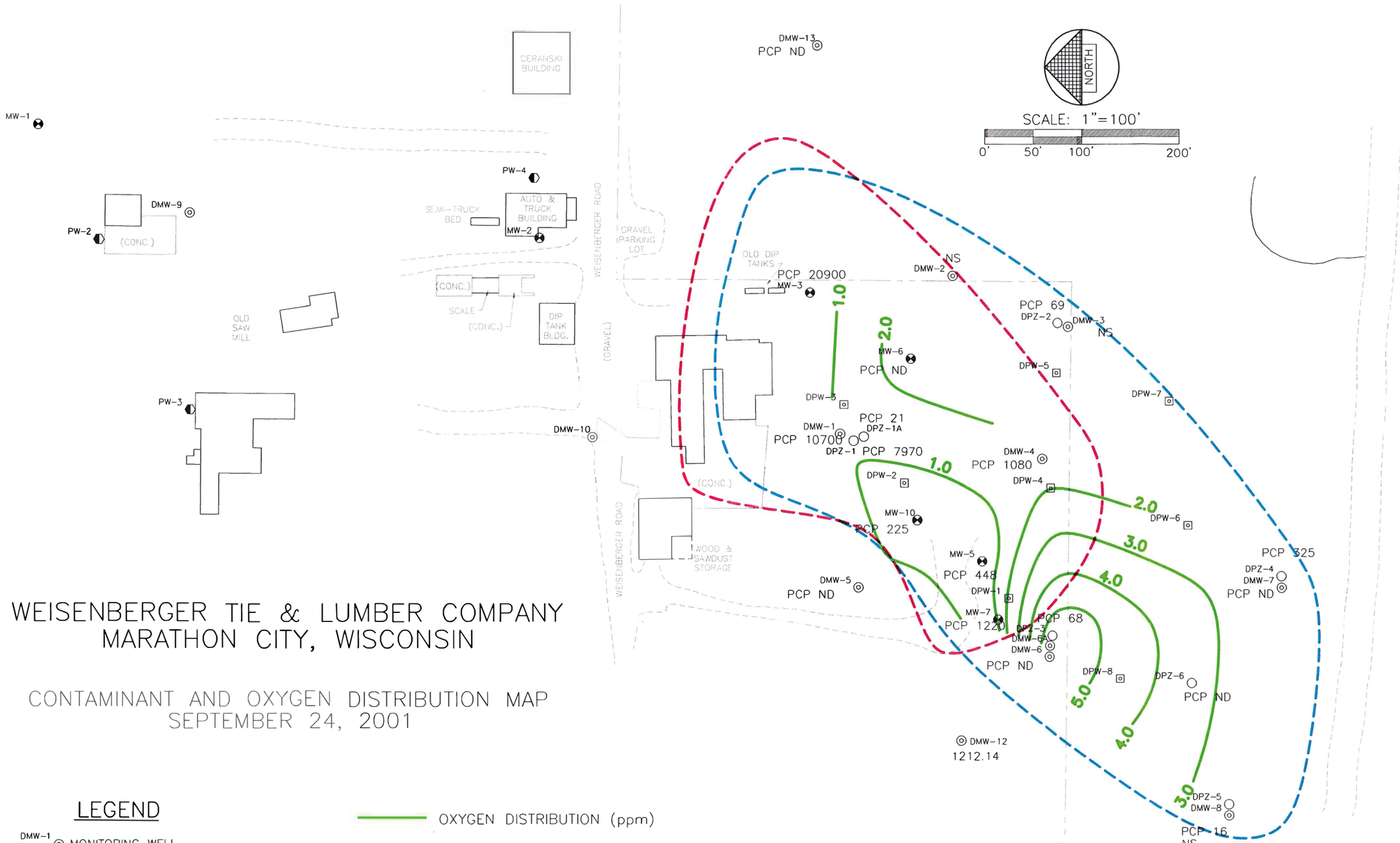
GROUNDWATER CONTOUR MAP
SEPTEMBER 24, 2001

LEGEND

- DMW-1 ◎ MONITORING WELL
- DPZ-2 ○ PIEZOMETER
- DPW-3 ⊡ DELTA PUMPING WELL
- MW-4 ⊗ MONITORING WELL
- PW-5 ◐ PRIVATE WATER SUPPLY WELL

FIGURE 1

N:\3551002\3551GW09240



WEISENBERGER TIE & LUMBER COMPANY
MARATHON CITY, WISCONSIN

CONTAMINANT AND OXYGEN DISTRIBUTION MAP
SEPTEMBER 24, 2001

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

N:\355\002\355G#092401

LABORATORY REPORT
ROBERT E. LEE & ASSOCIATES, INC.

MONITORING WELLS

Robert E. Lee & Associates, Inc.

Engineering, Surveying, Laboratory Services
2825 S. Webster Ave.
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Wisconsin Certification Number: 405043870

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

Phone:	(920)336-6338
Fax:	(920)336-9141
Client ID:	L14
Contact ID:	1859

Sample Information		Number of pages attached	
Report Date:	11/08/2001	Coversheet:	1
Chain Number:	85980	Analyst generated narratives:	2
Project No:	13551004	Certificate of Analysis:	41
Project Name:	WEISENBERGER TIE & LUMBER	Flag description:	1
Receive Date:	9/24/2001	Invoice:	3
Sample Date:	9/24/2001	Chain of Custody:	4
		DNR Form:	0
		Sample non-compliance Report	0
		Subcontracted Lab Report:	56
		Miscellaneous:	0
		Total pages:	**108**

Attest: Steve Heraf

Please visit our new Internet homepage at
www.releeinc.com

Solid sample results are reported on a dry weight basis.

ROBERT E. LEE & ASSOCIATES, INC.

CLIENT:	ROBERT E LEE & ASSOCIATES, INC
PROJECT:	13551004/WEISENBERGER TIE & LUMBER
CHAIN NUMBER:	85980

NARRATIVE

This narrative is relevant to samples EQUIP B, TRIP B, MW-3, DPZ-1, and DUP.

The samples were analyzed for petroleum volatile organic compounds following SW-846 Method 8021 and the Wisconsin Modified GRO Method.

The following is a summary of the quality control results:

1. The reported compounds were not detected in the water method blank.

2. The precision between the matrix spike recovery and matrix spike duplicate recovery was within laboratory limits for each of the reported compounds.

3. The precision between the recoveries of the water duplicate control spikes was within method limits for each of the reported compounds.

4. The matrix spike and matrix spike duplicate recoveries were within laboratory limits for each of the reported compounds.

5. The recovery for each water laboratory control spike was within method limits for each of the reported compounds.

6. The surrogate recovery for all samples was within laboratory limits.

7. The initial and final calibration check standards verified the calibration curve for each of the reported compounds.

Steve Heraly
Laboratory Coordinator
cw

ROBERT E. LEE & ASSOCIATES, INC.

CLIENT:	ROBERT E LEE & ASSOCIATES, INC
PROJECT:	13551004 / WEISENBERGER TIE & LUMBER
CHAIN NUMBER:	85980

NARRATIVE

This narrative is relevant to samples MW-3, MW-5, MW-6, MW-7, MW-10, DMW-1, DMW-4, DMW-5, DMW-6A, DMW-7, DMW-13, DPZ-1, DPZ-1A, DPZ-2, DPZ-3, DPZ-4, DPZ-5 and DPZ-6.

The samples were analyzed for semi-volatile organic compounds following SW-846 Method 8270C.

The following is a summary of the quality control results:

1. The reported compounds were not detected in the method blank.

2. The precision between the matrix spike recovery and the matrix spike duplicate recovery was within laboratory limits for each of the sixty-two spiked compounds.

3. The matrix spike recovery was within laboratory limits for each of the sixty-two spiked compounds except for 4-nitrophenol and butylbenzylphthalate which were below laboratory limits. The data was accepted because the compounds were within laboratory limits in the method spike.

4. The matrix spike duplicate recovery was within laboratory limits for each of the sixty-two spiked compounds except for naphthalene and hexachlorobutadiene which were above laboratory limits and butylbenzylphthalate which was below laboratory limits. The data was accepted because the compounds were within laboratory limits in the method spike

5. The surrogate recovery for all samples was within laboratory limits for each of the six surrogates spiked.

6. The initial and final calibration check standards verified the calibration curve for each of the reported compounds.

Steve Heraly /CFC

Steve Heraly
Laboratory Coordinator
JF

Wisconsin Certification Number: 405043870
Certificate of Analysis Report

Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
01REL015903	**9/24/2001** **EQUIP B**							
SW-846-8021B	1,2,4-Trimethylbenzene	<0.23	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	1,3,5-Trimethylbenzene	<0.21	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Benzene	<0.21	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Ethylbenzene	<0.23	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	Fluorobenzene-Surrogate	102	% Rec				10/05/2001	CRW
SW-846-8021B	Methyl-tertiary-butyl ether	<0.091	ug/L		0.091	0.3	10/05/2001	CRW
SW-846-8021B	Toluene	<0.22	ug/L		0.22	0.73	10/05/2001	CRW
SW-846-8021B	Xylenes-Total	<0.44	ug/L		0.44	1.5	10/05/2001	CRW
01REL015904	**9/24/2001** **TRIP B**							
SW-846-8021B	1,2,4-Trimethylbenzene	<0.23	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	1,3,5-Trimethylbenzene	<0.21	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Benzene	<0.21	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Ethylbenzene	<0.23	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	Fluorobenzene-Surrogate	101	% Rec				10/05/2001	CRW
SW-846-8021B	Methyl-tertiary-butyl ether	<0.091	ug/L		0.091	0.3	10/05/2001	CRW
SW-846-8021B	Toluene	<0.22	ug/L		0.22	0.73	10/05/2001	CRW
SW-846-8021B	Xylenes-Total	<0.44	ug/L		0.44	1.5	10/05/2001	CRW
01REL015905	**9/24/2001** **DUP**							
SW-846-8021B	1,2,4-Trimethylbenzene	81	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	1,3,5-Trimethylbenzene	19	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Benzene	4.2	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Ethylbenzene	13	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	Fluorobenzene-Surrogate	99	% Rec				10/05/2001	CRW
SW-846-8021B	Methyl-tertiary-butyl ether	<0.091	ug/L		0.091	0.3	10/05/2001	CRW
SW-846-8021B	Toluene	2.3	ug/L		0.22	0.73	10/05/2001	CRW
SW-846-8021B	Xylenes-Total	78	ug/L		0.44	1.5	10/05/2001	CRW
01REL015906	**9/24/2001** **BK 859**							
EPA 1613	Dioxin Analysis	See Attached					10/03/2001	PJK
EPA-515.1	Chlorinated Acids Pesticides Analysis	See Attached					10/22/2001	PJK
01REL015907	**9/24/2001** **MW-3**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8021B	1,2,4-Trimethylbenzene	98	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	1,3,5-Trimethylbenzene	18	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Benzene	4.1	ug/L		0.21	0.7	10/05/2001	CRW
SW-846-8021B	Ethylbenzene	13	ug/L		0.23	0.77	10/05/2001	CRW
SW-846-8021B	Fluorobenzene-Surrogate	98	% Rec				10/05/2001	CRW
SW-846-8021B	Methyl-tertiary-butyl ether	<0.091	ug/L		0.091	0.3	10/05/2001	CRW
SW-846-8021B	Toluene	2.3	ug/L		0.22	0.73	10/05/2001	CRW
SW-846-8021B	Xylenes-Total	77	ug/L		0.44	1.5	10/05/2001	CRW
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF

Wisconsin Certification Number: 405043870
Certificate of Analysis Report

Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	467	ug/L		1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	87	% Rec				10/28/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	56	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	26	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	282	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	6.0	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	818	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF

Wisconsin Certification Number: 405043870
Certificate of Analysis Report

Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/08/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	5.4	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	8.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	26	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	185	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	53	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	20900	ug/L		172	573	10/28/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	37	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF

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Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date**	**Sample ID**						
SW-846-8270C	Terphenyl-d14 - Surrogate	51	% Rec				10/08/2001	JF
01REL015908	**9/24/2001**	**MW-5**						
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	50	ug/L		1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	85	% Rec				10/08/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	58	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	31	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	202	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF

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Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	3.0	ug/L	13	1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	10	ug/L	13	4.6	15	10/08/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	4.2	ug/L	13	1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	97	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	55	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	448	ug/L		1.7	5.7	10/17/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	3.1	ug/L	13	1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	38	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	51	% Rec				10/08/2001	JF
01REL015909	**9/24/2001** **MW-6**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	84	% Rec				10/08/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	63	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	33	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF

Wisconsin Certification Number: 405043870
Certificate of Analysis Report

Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/08/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF

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Client ID: L14
Chain: 85980
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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	59	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	40	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	49	% Rec				10/08/2001	JF
01REL015910	**9/24/2001** **MW-7**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	21	ug/L		1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	84	% Rec				10/08/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	57	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	25	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	412	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF

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Chain: 85980
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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	8.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/08/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	5.6	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	7.7	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	85	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	50	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	1220	ug/L		8.6	29	10/17/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	4.4	ug/L	13	1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	31	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	50	% Rec				10/08/2001	JF
01REL015911	**9/24/2001** **MW-10**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	3.1	ug/L	13	1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	76	% Rec				10/08/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF

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Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	53	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	23	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	33	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	3.5	ug/L	13	1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/08/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF

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Client ID: L14
Chain: 85980
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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	4.5	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	4.8	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	45	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	225	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	3.4	ug/L	13	1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	29	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	46	% Rec				10/08/2001	JF
01REL015912	**9/24/2001** **DMW-1**							
EPA 1613	Dioxin Analysis	See Attached					10/05/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/08/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/08/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/08/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/08/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/08/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	244	ug/L		1.4	4.5	10/08/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/08/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	95	% Rec				10/28/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/08/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/08/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	57	% Rec				10/08/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	25	% Rec				10/08/2001	JF
SW-846-8270C	2-Methylnaphthalene	367	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/08/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/08/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/08/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/08/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Acenaphthene	44	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	Acetophenone	28	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/08/2001	JF
SW-846-8270C	Anthracene	8780	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/08/2001	JF
SW-846-8270C	Benzo(a)anthracene	3.0	ug/L	13	1.4	4.7	10/08/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/08/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	12	ug/L	13	4.6	15	10/08/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/08/2001	JF
SW-846-8270C	Chrysene	4.3	ug/L	13	1.6	5.2	10/08/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/08/2001	JF
SW-846-8270C	Dibenzofuran	22	ug/L		1.3	4.3	10/08/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/08/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/08/2001	JF
SW-846-8270C	Fluoranthene	1190	ug/L		2.0	6.6	10/08/2001	JF
SW-846-8270C	Fluorene	50	ug/L		1.2	4.0	10/08/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/08/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/08/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/08/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/08/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/08/2001	JF
SW-846-8270C	Isophorone	6.6	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/08/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/08/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/08/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Naphthalene	60	ug/L		1.4	4.6	10/08/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	46	% Rec				10/08/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/08/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/08/2001	JF
SW-846-8270C	Pentachlorophenol	10700	ug/L		172	573	11/03/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/08/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/08/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/08/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	32	% Rec				10/08/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/08/2001	JF
SW-846-8270C	Pyrene	17	ug/L		2.2	7.3	10/08/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/08/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	44	% Rec				10/08/2001	JF
01REL015913	**9/24/2001** **DMW-4**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF

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2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	25	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	63	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	40	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	24	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	12	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF

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Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	36	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	1080	ug/L		8.6	29	10/17/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	31	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF

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Phone: (920)336-6338
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Client ID: L14
Chain: 85980
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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	37	% Rec				10/09/2001	JF
01REL015914	**9/24/2001** **DMW-5**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	64	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	53	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	27	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	47	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF

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Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	31	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	43	% Rec				10/09/2001	JF
01REL015915	**9/24/2001** **DMW-6A**							
EPA 1613	Dioxin Analysis	See Attached					10/02/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	74	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	59	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	27	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF

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Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	50	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	32	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	50	% Rec				10/09/2001	JF
01REL015916	**9/24/2001** **DMW-7**							
EPA 1613	Dioxin Analysis	See Attached					10/03/2001	PJK
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	72	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	59	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	24	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF

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Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	50	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	29	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	52	% Rec				10/09/2001	JF
01REL015917	**9/24/2001** **DMW-8**							
EPA 1613	Dioxin Analysis	See Attached					10/03/2001	PJK
01REL015918	**9/24/2001** **DMW-13**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	73	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF

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Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	60	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	24	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF

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Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	50	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	29	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	52	% Rec				10/09/2001	JF
01REL015919	**9/24/2001** **DPZ-1**							
EPA 1613	Dioxin Analysis	See Attached					10/03/2001	PJK
SW-846-8021B	1,2,4-Trimethylbenzene	85	ug/L		2.3	7.7	10/05/2001	CRW
SW-846-8021B	1,3,5-Trimethylbenzene	19	ug/L		2.1	7.0	10/05/2001	CRW
SW-846-8021B	Benzene	2.3	ug/L	13	2.1	7.0	10/05/2001	CRW
SW-846-8021B	Ethylbenzene	11	ug/L		2.3	7.7	10/05/2001	CRW
SW-846-8021B	Fluorobenzene-Surrogate	100	% Rec				10/05/2001	CRW
SW-846-8021B	Methyl-tertiary-butyl ether	<0.91	ug/L		0.91	3.0	10/05/2001	CRW
SW-846-8021B	Toluene	2.2	ug/L		2.2	7.3	10/05/2001	CRW
SW-846-8021B	Xylenes-Total	77	ug/L		4.4	15	10/05/2001	CRW

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Certificate of Analysis Report

Robert E Lee & Associates, Inc
2825 S Webster Ave

Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	47	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	88	% Rec				10/28/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	51	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	23	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	240	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF

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Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	4.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	1.3	ug/L	13	1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	7.6	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	158	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	46	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	7970	ug/L		34	115	10/28/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	31	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	46	% Rec				10/09/2001	JF
01REL015920	**9/24/2001** **DPZ-1A**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	57	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	42	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	22	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF

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Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Nitrobenzene-d5 - Surrogate	36	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	21	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	25	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	35	% Rec				10/09/2001	JF
01REL015921	**9/24/2001** **DPZ-2**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	79	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	61	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	29	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF

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Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF

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Client ID: L14
Chain: 85980
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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	54	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	69	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	35	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	50	% Rec				10/09/2001	JF
01REL015922	**9/24/2001** **DPZ-3**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	81	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	60	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	30	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF

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Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	55	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	68	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	37	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	50	% Rec				10/09/2001	JF
01REL015923	**9/24/2001** **DPZ-4**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	4.1	ug/L	13	1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	82	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF

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Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	59	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	23	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	54	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	325	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	30	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	52	% Rec				10/09/2001	JF
01REL015924	**9/24/2001** **DPZ-5**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	1,2-Diphenylhydrazine	<1.3	ug/L		1.3	4.5	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<1.8	ug/L		1.8	6.1	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<1.4	ug/L		1.4	4.5	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<1.6	ug/L		1.6	5.5	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	75	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<1.6	ug/L		1.6	5.4	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	56	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	22	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	2-Picoline	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<0.84	ug/L		0.84	2.8	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<1.9	ug/L		1.9	6.5	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<1.2	ug/L		1.2	4.1	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<1.9	ug/L		1.9	6.2	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Acenaphthene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	Acetophenone	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Aniline	<1.7	ug/L		1.7	5.8	10/09/2001	JF
SW-846-8270C	Anthracene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzidine	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Benzo(b)fluoranthene	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<1.3	ug/L		1.3	4.4	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<1.9	ug/L		1.9.	6.3	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<1.5	ug/L		1.5	5.1	10/09/2001	JF

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Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<1.8	ug/L		1.8	6.0	10/09/2001	JF
SW-846-8270C	Chrysene	<1.6	ug/L		1.6	5.2	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<1.5	ug/L		1.5	5.0	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<1.3	ug/L		1.3	4.3	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<1.3	ug/L		1.3	4.2	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Diphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<1.7	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Fluoranthene	<2.0	ug/L		2.0	6.6	10/09/2001	JF
SW-846-8270C	Fluorene	<1.2	ug/L		1.2	4.0	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<1.6	ug/L		1.6	5.3	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<7.6	ug/L		7.6	25	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<5.4	ug/L		5.4	18	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<5.2	ug/L		5.2	17	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<1.4	ug/L		1.4	4.8	10/09/2001	JF
SW-846-8270C	Isophorone	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<1.1	ug/L		1.1	3.5	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<1.5	ug/L		1.5	4.9	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<1.9	ug/L		1.9	6.3	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<2.6	ug/L		2.6	8.7	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Naphthalene	<1.4	ug/L		1.4	4.6	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	49	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<2.0	ug/L		2.0	6.7	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<1.5	ug/L		1.5	5.1	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	16	ug/L		1.7	5.7	10/09/2001	JF
SW-846-8270C	Phenacetin	<1.8	ug/L		1.8	5.9	10/09/2001	JF
SW-846-8270C	Phenanthrene	<1.4	ug/L		1.4	4.7	10/09/2001	JF
SW-846-8270C	Phenol	<1.1	ug/L		1.1	3.7	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	28	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<1.7	ug/L		1.7	5.6	10/09/2001	JF
SW-846-8270C	Pyrene	<2.2	ug/L		2.2	7.3	10/09/2001	JF
SW-846-8270C	Pyridine	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	49	% Rec				10/09/2001	JF
01REL015925	**9/24/2001** **DPZ-6**							
SW-846-8270C	Extraction Date	Complete					9/27/2001	JF
SW-846-8270C	1,2,4,5-Tetrachlorobenzene	<7.5	ug/L		7.5	25	10/09/2001	JF
SW-846-8270C	1,2,4-Trichlorobenzene	<9.0	ug/L		9.0	30	10/09/2001	JF
SW-846-8270C	1,2-Dichlorobenzene	<8.0	ug/L		8.0	27	10/09/2001	JF

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Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	1,2-Diphenylhydrazine	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	1,3-Dichlorobenzene	<9.0	ug/L		9.0	30	10/09/2001	JF
SW-846-8270C	1,4-Dichlorobenzene	<8.5	ug/L		8.5	28	10/09/2001	JF
SW-846-8270C	1-Chloronaphthalene	<4.6	ug/L		4.6	15	10/09/2001	JF
SW-846-8270C	1-Naphthylamine	<5.5	ug/L		5.5	18	10/09/2001	JF
SW-846-8270C	2,3,4,6-Tetrachlorophenol	<3.4	ug/L		3.4	11	10/09/2001	JF
SW-846-8270C	2,4,5-Trichlorophenol	<4.1	ug/L		4.1	14	10/09/2001	JF
SW-846-8270C	2,4,6-Tribromophenol - Surrogate	65	% Rec				10/09/2001	JF
SW-846-8270C	2,4,6-Trichlorophenol	<4.1	ug/L		4.1	14	10/09/2001	JF
SW-846-8270C	2,4-Dichlorophenol	<3.9	ug/L		3.9	13	10/09/2001	JF
SW-846-8270C	2,4-Dimethylphenol	<7.0	ug/L		7.0	23	10/09/2001	JF
SW-846-8270C	2,4-Dinitrophenol	<4.5	ug/L		4.5	15	10/09/2001	JF
SW-846-8270C	2,4-Dinitrotoluene	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	2,6-Dichlorophenol	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	2,6-Dinitrotoluene	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	2-Chloronaphthalene	<3.9	ug/L		3.9	13	10/09/2001	JF
SW-846-8270C	2-Chlorophenol	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	2-Fluorobiphenyl - Surrogate	60	% Rec				10/09/2001	JF
SW-846-8270C	2-Fluorophenol - Surrogate	20	% Rec				10/09/2001	JF
SW-846-8270C	2-Methylnaphthalene	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	2-Methylphenol	<4.3	ug/L		4.3	14	10/09/2001	JF
SW-846-8270C	2-Naphthylamine	<5.5	ug/L		5.5	18	10/09/2001	JF
SW-846-8270C	2-Nitroaniline	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	2-Nitrophenol	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	2-Picoline	<7.5	ug/L		7.5	25	10/09/2001	JF
SW-846-8270C	3 & 4-Methylphenol	<4.4	ug/L		4.4	15	10/09/2001	JF
SW-846-8270C	3,3'-Dichlorobenzidine	<2.1	ug/L		2.1	7.0	10/09/2001	JF
SW-846-8270C	3-Methylchlolanthrene	<4.9	ug/L		4.9	16	10/09/2001	JF
SW-846-8270C	3-Nitroaniline	<5.5	ug/L		5.5	18	10/09/2001	JF
SW-846-8270C	4,6-Dinitro-2-methylphenol	<6.5	ug/L		6.5	22	10/09/2001	JF
SW-846-8270C	4-Aminobiphenyl	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	4-Bromophenyl phenyl ether	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	4-Chloro-3-methylphenol	<4.3	ug/L		4.3	14	10/09/2001	JF
SW-846-8270C	4-Chloroaniline	<3.3	ug/L		3.3	11	10/09/2001	JF
SW-846-8270C	4-Chlorophenyl phenyl ether	<3.1	ug/L		3.1	10	10/09/2001	JF
SW-846-8270C	4-Nitroaniline	<3.3	ug/L		3.3	11	10/09/2001	JF
SW-846-8270C	4-Nitrophenol	<4.7	ug/L		4.7	16	10/09/2001	JF
SW-846-8270C	7,12-Dimethylbenz(a)anthracene	<5.0	ug/L		5.0	17	10/09/2001	JF
SW-846-8270C	Acenaphthene	<2.8	ug/L		2.8	9.3	10/09/2001	JF
SW-846-8270C	Acenaphthylene	<3.7	ug/L		3.7	12	10/09/2001	JF
SW-846-8270C	Acetophenone	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	Aniline	<4.4	ug/L		4.4	15	10/09/2001	JF
SW-846-8270C	Anthracene	<3.3	ug/L		3.3	11	10/09/2001	JF
SW-846-8270C	Benzidine	<7.0	ug/L		7.0	23	10/09/2001	JF
SW-846-8270C	Benzo(a)anthracene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Benzo(a)pyrene	<2.8	ug/L		2.8	9.2	10/09/2001	JF

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Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Benzo(b)fluoranthene	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	Benzo(g,h,i)perylene	<3.3	ug/L		3.3	11	10/09/2001	JF
SW-846-8270C	Benzo(k)fluoranthene	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	Benzyl alcohol	<4.5	ug/L		4.5	15	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethoxy)methane	<3.7	ug/L		3.7	12	10/09/2001	JF
SW-846-8270C	bis(2-Chloroethyl)ether	<4.8	ug/L		4.8	16	10/09/2001	JF
SW-846-8270C	bis(2-Chloroisopropyl)ether	<3.9	ug/L		3.9	13	10/09/2001	JF
SW-846-8270C	bis(2-Ethylhexyl)phthalate	<12	ug/L		12	38	10/09/2001	JF
SW-846-8270C	Butylbenzylphthalate	<4.5	ug/L		4.5	15	10/09/2001	JF
SW-846-8270C	Chrysene	<3.9	ug/L		3.9	13	10/09/2001	JF
SW-846-8270C	Di-n-butylphthalate	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	Di-n-octylphthalate	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	Dibenz(a,j)acridine	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Dibenzo(a,h)anthracene	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	Dibenzofuran	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	Diethylphthalate	<3.2	ug/L		3.2	11	10/09/2001	JF
SW-846-8270C	Dimethylphthalate	<3.8	ug/L		3.8	13	10/09/2001	JF
SW-846-8270C	Diphenylamine	<6.5	ug/L		6.5	22	10/09/2001	JF
SW-846-8270C	Ethyl methanesulfonate	<4.3	ug/L		4.3	14	10/09/2001	JF
SW-846-8270C	Fluoranthene	<5.0	ug/L		5.0	17	10/09/2001	JF
SW-846-8270C	Fluorene	<3.0	ug/L		3.0	10	10/09/2001	JF
SW-846-8270C	Hexachlorobenzene	<4.0	ug/L		4.0	13	10/09/2001	JF
SW-846-8270C	Hexachlorobutadiene	<19	ug/L		19	63	10/09/2001	JF
SW-846-8270C	Hexachlorocyclopentadiene	<14	ug/L		14	45	10/09/2001	JF
SW-846-8270C	Hexachloroethane	<13	ug/L		13	43	10/09/2001	JF
SW-846-8270C	Indeno(1,2,3-cd)pyrene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Isophorone	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Methyl methanesulfonate	<2.7	ug/L		2.7	8.8	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-butylamine	<3.7	ug/L		3.7	12	10/09/2001	JF
SW-846-8270C	n-Nitrosodi-n-propylamine	<3.5	ug/L		3.5	12	10/09/2001	JF
SW-846-8270C	n-Nitrosodimethylamine	<4.7	ug/L		4.7	16	10/09/2001	JF
SW-846-8270C	n-Nitrosodiphenylamine	<6.5	ug/L		6.5	22	10/09/2001	JF
SW-846-8270C	n-Nitrosopiperidine	<3.5	ug/L		3.5	12	10/09/2001	JF
SW-846-8270C	Naphthalene	<3.5	ug/L		3.5	12	10/09/2001	JF
SW-846-8270C	Nitrobenzene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Nitrobenzene-d5 - Surrogate	51	% Rec				10/09/2001	JF
SW-846-8270C	p-Dimethylaminoazobenzene	<5.0	ug/L		5.0	17	10/09/2001	JF
SW-846-8270C	Pentachlorobenzene	<5.5	ug/L		5.5	18	10/09/2001	JF
SW-846-8270C	Pentachloronitrobenzene	<3.9	ug/L		3.9	13	10/09/2001	JF
SW-846-8270C	Pentachlorophenol	<4.3	ug/L		4.3	14	10/09/2001	JF
SW-846-8270C	Phenacetin	<4.5	ug/L		4.5	15	10/09/2001	JF
SW-846-8270C	Phenanthrene	<3.6	ug/L		3.6	12	10/09/2001	JF
SW-846-8270C	Phenol	<2.8	ug/L		2.8	9.2	10/09/2001	JF
SW-846-8270C	Phenol-d5 - Surrogate	28	% Rec				10/09/2001	JF
SW-846-8270C	Pronamide	<4.2	ug/L		4.2	14	10/09/2001	JF
SW-846-8270C	Pyrene	<5.5	ug/L		5.5	18	10/09/2001	JF

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Green Bay, WI 54301-2878
Project Number: 13551004
Project Name: WEISENBERGER TIE & LUMBER

Attn: Jim Caine
Phone: (920)336-6338
Fax: (920)336-9141
Client ID: L14
Chain: 85980
Report Date: 11/08/2001

Method	Parameter Name	Result	Units	Flag	MDL	PQL	Anl.Date	Analyst
Lab No.	**Collect Date** **Sample ID**							
SW-846-8270C	Pyridine	<7.5	ug/L		7.5	25	10/09/2001	JF
SW-846-8270C	Terphenyl-d14 - Surrogate	50	% Rec				10/09/2001	JF

Robert E. Lee & Associates, Inc.

Quality Control Report - Description of Flags

Flag	Section	Description
13	**L**	The reported result is less than the practical quantitation limit (PQL).

WEISENBERGER TIE & LUMBER
PROJECT # 13551-004
GROUNDWATER SAMPLING

PARAMETERS: PVOCs - EPA METHOD 8020 - **MARCH & SEPTEMBER**

WELLS: MW-3 [redacted] DPZ-1 DUP 1 EQUIP B1
TRIP B

SAMPLE AMOUNT: 2-40ML VIALS - HCL

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

WELLS: MW-3	MW-5	MW-6	MW-7	MW-10
DMW-1	[redacted]	[redacted]	DMW-4	DMW-5
DMW-6A	DMW-7	DMW-13	DPZ-1	DPZ-1A
DPZ-2	DPZ-3	DPZ-4	DPZ-5	DPZ-6

SAMPLE AMOUNT: 1 LITER AMBER - UNPRESERVED

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

WELLS: MW-3	MW-6	MW-7	MW-10	DMW-1	[redacted]
[redacted]	DMW-4	DMW-5	DMW-6A	DMW-7	DMW-8
DPZ-1					

SAMPLE AMOUNT: 1 LITER AMBER - UNPRESERVED

PARAMETERS: PENTACHLOROPHENOL - EPA METHOD 515 Dale
DIOXIN/FURANS - EPA METHOD 1613 Dale

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

SAMPLE ID: BK859

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

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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 # [redacted] (2 of 3)

Client: Wisconsin Tie and Lumber

Project Name: ~~Project Name:~~ Project Number: 1355 1004

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: Craig Wy

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

Analyses Required:
(Note special detection limits or methods)

Report to:
Company:
Address:
Telephone:
Fax:

Invoice To:
Company:
Address:
Telephone:
Fax:

Sample Name	Date	Time		Comp	Grab	Filtered Y/N	Sample Type	No. Of Containers	Preservation Type (see key below)	REL Sample No.	Remarks:
DMW-6A	9/24/01	10:00	A P		X	N	GW	1	U	15915	
DMW-7		2:00	A P					2	U	15916	
DMW-8			A P					1	U	15917	
~~DMW-10~~			A P							No Sample	
DMW-13			A P					1	U	15918	
DPZ-1			A P					4	U/H	15919	
DPZ-1A			A P					1	U	15920	
DPZ-2			A P					1	U	15921	
DPZ-3			A P					1	U	15922	
DPZ-4			A P					1	U	15923	
DPZ-5			A P					1	U	15924	
DPZ-6			A P					1	U	15925	

Relinquished By	Date	Time		Received By	Date	Time	
1) Craig Wy	9/24/01	4:30	A/P				A/P
2)			A/P				A/P
3)			A/P				A/P
Received by Lab Lori Lemire	9/24/01	1630					A/P

A = AM P = PM

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

WISCONSIN DNR CERTIFICATION NUMBER 405043870

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

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CHAIN OF CUSTODY RECORD

COC # [redacted] (3043)

Client: Weisenberger Tree + Lumber
Project Name: 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: Craig W

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

Analyses Required: (Note special detection limits or methods) — see enclosed sheet

Report to: / Company: / Address: / Telephone: / Fax: — Jim
Invoice To: / Company: / Address: / Telephone: / Fax:

Sample Name	Date	Time	A/P	Comp	Grab	Filtered Y/N	Sample Type (Matrix)	No. Of Containers	Preservation Type (see key below)	see enclosed sheet	REL Sample No.	Remarks
DUP	9/24/01	10:00	P		X	N	GW	32		X	15926	
	9/24/01	2:00	A P									

Relinquished By	Date	Time	Received By	Date	Time
1) Craig W	9/24/01	1:30 A/P			A/P
2)		A/P			A/P
3)		A/P			A/P
Received by Lab: Dave Lemire	9/24/01	1630			

A = AM P = PM

Laboratory Receiving Notes
Temperature of Contents: on ice °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 anol, S uric Ac

Rob[illegible] E. [illegible] & Associates, [illegible].
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To ensure the proper handling of samples, please see the back for instructions.

CHAIN OF CUSTODY RECORD

COC # 85980 (1 of 3)

Client: Wiesenberger Tire & Lumber

Project Name: | Project Number: 13551 004

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:

Analyses Required: (Note special detection limits or methods)
see attached sheet

Report to:
Company:
Address:
Telephone:
Fax:

Invoice To:
Company:
Address:
Telephone:
Fax:

Sample Name	Date	Time	A/P	Comp	Grab	Filtered Y/N	Matrix	No. Of Containers	Preservation Type (see key below)	REL Sample No.	Remarks:
Equip B	9/24/01	1000	P	X		N	GW	2	HCl	15903	
Trip B		0700	A					2	HCl	15904	
DUP			A					2	HCl	15905	
BK 8559			A					2	UH	15906	
MW-3			A					4	UH	15907	
MW-5			A					1	U	15908	
MW-6			A					2	U	15909	
MW-7			A					2	U	15910	
MW-10			A					2	U	15911	
DMW-1			A					2	U	15912	
DMW-4			A					2	U	15913	
DMW-5			A					2	U	15914	

Relinquished By	Date	Time	Received By	Date	Time
1) [signature]	9/24/01	1430 A/P			A/P
2)		A/P			A/P
3)		A/P			A/P
Received by Lab: Kerri Lemire	9/24/01	1630		A = AM P = PM	

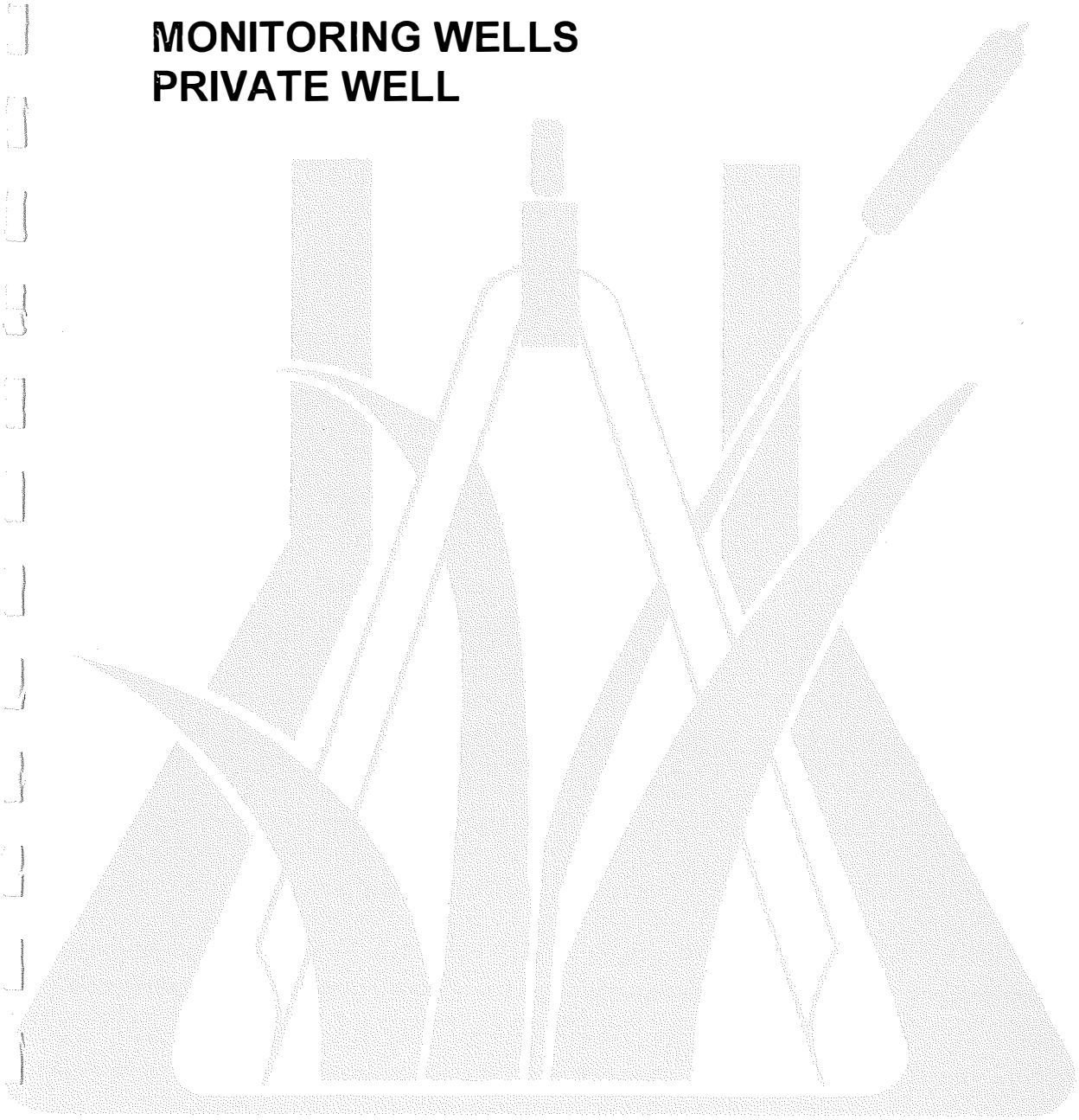
Laboratory Receiving Notes
Temperature of Contents: ambient °C
Custody Seal Intact: _____
Sample Condition: _____
Sample pH: _____

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

WISCONSIN DNR CERTIFICATION NUMBER 405043870

LABORATORY REPORT
PACE ANALYTICAL LABORATORY
DIOXIN/FURAN ANALYSIS

MONITORING WELLS
PRIVATE WELL



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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Robert E. Lee & Associates, Inc.
Attn: Paul Knuth
2825 South Webster Avenue
Box 2100
Green Bay, WI 54301-2878

ACCREDITED IN ACCORDANCE WITH nelac

This report contains 32 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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REPORT OF: CHEMICAL ANALYSES

PROJECT: **PCDD/PCDF ANALYSES**

DATE: October 9, 2001

ISSUED TO: Robert E. Lee & Associates, Inc.
Attn: Mr. Paul Knuth
2825 South Webster Avenue
Box 2100
Green Bay, WI 54301-2878

REPORT NO:01-1049184

INTRODUCTION

This report presents the results from the analyses performed on eleven 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

Client ID	Sample Type	Date Received	Pace ID
01-15907	Water	09/26/01	103017406
01-15909	Water	09/26/01	103017414
01-15910	Water	09/26/01	103017422
01-15911	Water	09/26/01	103017430
01-15912	Water	09/26/01	103017448
01-15913	Water	09/26/01	103017455
01-15914	Water	09/26/01	103017463
01-15915	Water	09/26/01	103017471
01-15916	Water	09/26/01	103017489
01-15917	Water	09/26/01	103017497
01-15919	Water	09/26/01	103017505

REPORT OF LABORATORY ANALYSIS

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METHODOLOGY

Sample Extraction

Each sample was spiked with $^{13}C_{12}$-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-$^{37}Cl_4$ 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 $^{37}Cl_4$-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-$^{13}C_{12}$ and 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$) and taken to a final volume of 20 uL.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** October 9, 2001

 REPORT NO: 01-1049184

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 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.

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 (M/ΔM, 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 PCDPE 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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REPORT OF: CHEMICAL ANALYSES

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:

$$Rf = \frac{An \times Qis}{Ais \times Qn}$$

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:

$$C = \frac{An \times Qis}{Ais \times W \times Rf}$$

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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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** October 9, 2001

 REPORT NO: 01-1049184

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:

$$LOD = \frac{Hn \times Qis \times 2.5}{His \times W \times Rf}$$

where:

LOD = Single isomer limit of detection
Hn = Sum of noise heights at native isomer retention time
Qis = Quantity of labeled internal standard
His = Sum of peak heights for labeled internal standard
W = Sample amount
Rf = Response factor

The recovery of the 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard and each $^{13}C_{12}$-labeled internal standard, relative to either 1,2,3,4-TCDD-$^{13}C_{12}$ or 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$, was calculated using the following equation:

$$\%R = \frac{Ais \times Qrs \times 100\%}{Rfr \times Ars \times Qis}$$

where:

%R = Percent recovery of labeled internal standard
Ais = Sum of integrated areas of labeled internal standard
Qrs = Quantity of recovery standard
Ars = Sum of integrated areas of recovery standard
Rfr = Response factor of the specific labeled internal standard relative to the recovery standard
Qis = Quantity of the labeled internal standard congener added to the sample

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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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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: October 9, 2001

REPORT NO: 01-1049184

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 generally ranged from 41-135% and indicate a level of efficiency through the extraction and enrichment steps that is considered typical for this matrix. With the exception of various internal standards in two samples, the labeled standard recoveries for the samples were within the Method 8290 target ranges. Also, 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. It should be noted that the extraction batch received twice the normal level of the internal standards. This variation was accounted for in the calculations and accurate values were reported.

One of the samples was found to contain compounds which 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 sheet.

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 contain low levels of selected PCDD and PCDF isomers. Several samples contained these isomers at levels similar to those seen in the blank and are flagged "B" on the data summary sheets. In general, levels less than ten times the background are not considered statistically different from the background. Any flagged levels may have, at least partially, originated from the background and should be considered estimated values.

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 83-112% with relative percent differences of 1.0-16.4%. This indicates high degrees of accuracy and precision for these determinations.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: October 9, 2001

REPORT NO: 01-1049184

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.

Charles V. Sueper, Technical Director
High Resolution Mass Spectrometry
(612) 607-6387

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
Recovery Standards	
1,2,3,4-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	2.0
Enrichment Efficiency Standard	
2,3,7,8-TCDD-$^{37}Cl_4$	0.2

REPORT OF LABORATORY ANALYSIS

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

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

Mass Resolution	10,000-11,000 (M/ΔM, 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

Compound	Accurate Mass Mass 1	Mass 2	Theoretical Ratio 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

	Concentration (pg/uL)				
Native CDDs/CDFs	**CS1**	**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-$^{37}C1_4$	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

REPORT OF LABORATORY ANALYSIS

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Appendix A

REPORT OF LABORATORY ANALYSIS

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 # [redacted] 85980

Client: Robert E Lee & Assoc
Project Name: Weisenberger Tie & Lumber
Project Number:
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:

Sample Type (Matrix)
DW = Drinking Water
GW = Groundwater
WW = Wastewater
Soil, Oil, Sludge, Air, Other

Report to: Paul Knuth
Company: Rel
Address:
Telephone:
Fax:

Invoice To:
Company:
Address:
Telephone:
Fax:

Sample Name	Date	Time	A/P	Comp	Grab	Filtered Y/N	Sample Type	No. Of Containers	Preservation Type (see key below)	Dioxins		1613		REL Sample No.	Remarks:
01-15906	9/24/01		A P			N	GW	1	U	X	*	1613	*	307398	** 01-15906
01-15907	"		A P			"	"	"	"	"		8290		406	Requires
01-15909	"		A P			"	"	"	"	"		"		414	method 1
15910	"		A P			"	"	"	"	"		"		422	EPA [redacted] Case
15911	"		A P			"	"	"	"	"		"		430	1613
15912	"		A P			"	"	"	"	"		"		448	
15913	"		A P			"	"	"	"	"		"		455	
15914	"		A P			"	"	"	"	"		"		463	
15915	"		A P			"	"	"	"	"		"		471	
15916	"		A P			"	"	"	"	"		"		489	
15917	"		A P			"	"	"	"	"		"		497	
15919	"		A P			"	"	"	"	"		"		505	

Relinquished By	Date	Time	Received By	Date	Time
1) Jean Lemire	9/25/01	1500 A/P	[signature]	9-26-01	1600 A/P
2)		A/P			A/P
3)		A/P			A/P

Received by Lab _____ A = AM P = PM

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

Preservation Key
N = Nitric Acid
H = Hydrochloric Acid
M [illegible]anol
O = Sodium Hydroxide
U = Unpreserved
S [illegible]ric Aci

WISCONSIN DNR CERTIFICATION NUMBER 405043870

Pace Analytical™
www.pacelabs.com

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

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Blank Analysis Results

Client - ROBERT E LEE

Lab Sample ID	BLANK-1258	Matrix	WATER
Filename	U11002A_06	Dilution	NA
Total Amount Extracted	978.8 mL	Extracted	09/28/2001
ICAL Date	09/14/2001	Analyzed	10/02/2001 13:08
CCal Filename(s)	U11002A_01 & U11002A_16	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	-----	0.00200		2,3,7,8-TCDF-13C	4.00	70
Total TCDF	ND	-----	0.00200		2,3,7,8-TCDD-13C	4.00	67
					1,2,3,7,8-PeCDF-13C	4.00	67
2,3,7,8-TCDD	ND	-----	0.00200		2,3,4,7,8-PeCDF-13C	4.00	67
Total TCDD	ND	-----	0.00200		1,2,3,7,8-PeCDD-13C	4.00	66
					1,2,3,4,7,8-HxCDF-13C	4.00	82
1,2,3,7,8-PeCDF	ND	-----	0.01000		1,2,3,6,7,8-HxCDF-13C	4.00	88
2,3,4,7,8-PeCDF	ND	-----	0.01000		2,3,4,6,7,8-HxCDF-13C	4.00	87
Total PeCDF	ND	-----	0.01000		1,2,3,7,8,9-HxCDF-13C	4.00	75
					1,2,3,4,7,8-HxCDD-13C	4.00	83
1,2,3,7,8-PeCDD	ND	-----	0.01000		1,2,3,6,7,8-HxCDD-13C	4.00	89
Total PeCDD	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDF-13C	4.00	86
					1,2,3,4,7,8,9-HpCDF-13C	4.00	74
1,2,3,4,7,8-HxCDF	ND	-----	0.01000		1,2,3,4,6,7,8-HpCDD-13C	4.00	76
1,2,3,6,7,8-HxCDF	ND	-----	0.01000		OCDD-13C	8.00	64
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	73
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: 0.00064 ng/L		
Total HpCDF	ND	-----	0.01000		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.033	-----	0.01000	J			
Total HpCDD	0.062	-----	0.01000	J			
OCDF	0.061	-----	0.02000	J			
OCDD	0.250	-----	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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15907		
Lab Sample ID	103017406		
Filename	U11002A_08		
Injected By	CVS		
Total Amount Extracted	1061.3 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 14:48

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	4.00	91
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	87
					1,2,3,7,8-PeCDF-13C	4.00	87
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	81
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	86
					1,2,3,4,7,8-HxCDF-13C	4.00	99
1,2,3,7,8-PeCDF	ND	-----	0.00940		1,2,3,6,7,8-HxCDF-13C	4.00	107
2,3,4,7,8-PeCDF	ND	-----	0.00940		2,3,4,6,7,8-HxCDF-13C	4.00	92
Total PeCDF	ND	-----	0.00940		1,2,3,7,8,9-HxCDF-13C	4.00	96
					1,2,3,4,7,8-HxCDD-13C	4.00	96
1,2,3,7,8-PeCDD	ND	-----	0.00940		1,2,3,6,7,8-HxCDD-13C	4.00	103
Total PeCDD	ND	-----	0.00940		1,2,3,4,6,7,8-HpCDF-13C	4.00	102
					1,2,3,4,7,8,9-HpCDF-13C	4.00	91
1,2,3,4,7,8-HxCDF	ND	-----	0.00940		1,2,3,4,6,7,8-HpCDD-13C	4.00	88
1,2,3,6,7,8-HxCDF	ND	-----	0.00940		OCDD-13C	8.00	80
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	0.052	-----	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	0.015	-----	0.00940	J			
1,2,3,7,8,9-HxCDD	ND	-----	0.00940				
Total HxCDD	0.030	-----	0.00940	J			
1,2,3,4,6,7,8-HpCDF	0.038	-----	0.00940	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00940		Equivalence: 0.0082 ng/L		
Total HpCDF	0.170	-----	0.00940		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.340	-----	0.00940				
Total HpCDD	0.550	-----	0.00940	B			
OCDF	0.220	-----	0.01900	B			
OCDD	2.700	-----	0.01900				

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15909		
Lab Sample ID	103017414		
Filename	U11002A_09		
Injected By	CVS		
Total Amount Extracted	1056 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 15:38

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	4.00	129	
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	124	
					1,2,3,7,8-PeCDF-13C	4.00	124	
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	123	
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	123	
					1,2,3,4,7,8-HxCDF-13C	4.00	137	P
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	141	P
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	139	P
Total PeCDF	ND	-----	0.00950		1,2,3,7,8,9-HxCDF-13C	4.00	128	
					1,2,3,4,7,8-HxCDD-13C	4.00	128	
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	145	P
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	135	
					1,2,3,4,7,8,9-HpCDF-13C	4.00	121	
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	122	
1,2,3,6,7,8-HxCDF	ND	-----	0.00950		OCDD-13C	8.00	102	
2,3,4,6,7,8-HxCDF	ND	-----	0.00950					
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	0.050	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	131	
1,2,3,6,7,8-HxCDD	0.013	-----	0.00950	J				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950					
Total HxCDD	0.029	-----	0.00950	J				
1,2,3,4,6,7,8-HpCDF	0.051	-----	0.00950		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00950		Equivalence: 0.011 ng/L			
Total HpCDF	0.260	-----	0.00950		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	0.420	-----	0.00950					
Total HpCDD	0.650	-----	0.00950					
OCDF	0.390	-----	0.01900	B				
OCDD	4.400	-----	0.01900					

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15910		
Lab Sample ID	103017422		
Filename	U11002A_10		
Injected By	CVS		
Total Amount Extracted	1061.1 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 16:28

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	4.00	43
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	41
					1,2,3,7,8-PeCDF-13C	4.00	42
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	42
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	42
					1,2,3,4,7,8-HxCDF-13C	4.00	55
1,2,3,7,8-PeCDF	ND	-----	0.00940		1,2,3,6,7,8-HxCDF-13C	4.00	56
2,3,4,7,8-PeCDF	ND	-----	0.00940		2,3,4,6,7,8-HxCDF-13C	4.00	55
Total PeCDF	ND	-----	0.00940		1,2,3,7,8,9-HxCDF-13C	4.00	50
					1,2,3,4,7,8-HxCDD-13C	4.00	53
1,2,3,7,8-PeCDD	ND	-----	0.00940		1,2,3,6,7,8-HxCDD-13C	4.00	58
Total PeCDD	ND	-----	0.00940		1,2,3,4,6,7,8-HpCDF-13C	4.00	54
					1,2,3,4,7,8,9-HpCDF-13C	4.00	48
1,2,3,4,7,8-HxCDF	ND	-----	0.00940		1,2,3,4,6,7,8-HpCDD-13C	4.00	49
1,2,3,6,7,8-HxCDF	ND	-----	0.00940		OCDD-13C	8.00	41
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	0.052	-----	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	33
1,2,3,6,7,8-HxCDD	0.016	-----	0.00940	J			
1,2,3,7,8,9-HxCDD	ND	-----	0.00940				
Total HxCDD	0.033	-----	0.00940	J			
1,2,3,4,6,7,8-HpCDF	0.056	-----	0.00940		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00940		Equivalence: 0.012 ng/L		
Total HpCDF	0.270	-----	0.00940		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.440	-----	0.00940				
Total HpCDD	0.700	-----	0.00940				
OCDF	0.410	-----	0.01900	B			
OCDD	4.800	-----	0.01900				

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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

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E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15911		
Lab Sample ID	103017430		
Filename	U11002A_11		
Injected By	CVS		
Total Amount Extracted	1057.4 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 17:18

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	4.00	84
Total TCDF	0.0026	-----	0.00190	J	2,3,7,8-TCDD-13C	4.00	80
					1,2,3,7,8-PeCDF-13C	4.00	80
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	81
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	81
					1,2,3,4,7,8-HxCDF-13C	4.00	96
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	101
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	98
Total PeCDF	0.0170	-----	0.00950	J	1,2,3,7,8,9-HxCDF-13C	4.00	89
					1,2,3,4,7,8-HxCDD-13C	4.00	96
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	104
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	99
					1,2,3,4,7,8,9-HpCDF-13C	4.00	89
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	90
1,2,3,6,7,8-HxCDF	ND	-----	0.00950		OCDD-13C	8.00	79
2,3,4,6,7,8-HxCDF	ND	-----	0.00950				
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.1500	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	0.0740	-----	0.00950				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950				
Total HxCDD	0.1700	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.0650	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00950		Equivalence: 0.029 ng/L		
Total HpCDF	0.2400	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	1.3000	-----	0.00950				
Total HpCDD	2.1000	-----	0.00950				
OCDF	0.1900	-----	0.01900	B			
OCDD	8.0000	-----	0.01900				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15912		
Lab Sample ID	103017448		
Filename	U11005A_05		
Injected By	BAL		
Total Amount Extracted	1053.8 mL	Matrix	WATER
% Moisture	NA	Dilution	10
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11004C_15 & U11005A_09	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/05/2001 20:52

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L		Internal Standards	ng's Added	Percent Recovery	
2,3,7,8-TCDF	0.46	-----	0.0190		2,3,7,8-TCDF-13C	4.00	81	
Total TCDF	2.20	-----	0.0190		2,3,7,8-TCDD-13C	4.00	79	
					1,2,3,7,8-PeCDF-13C	4.00	77	
2,3,7,8-TCDD	ND	-----	0.0190		2,3,4,7,8-PeCDF-13C	4.00	79	
Total TCDD	0.14	-----	0.0190		1,2,3,7,8-PeCDD-13C	4.00	80	
					1,2,3,4,7,8-HxCDF-13C	4.00	100	
1,2,3,7,8-PeCDF	-----	2.3	0.0950	E	1,2,3,6,7,8-HxCDF-13C	4.00	98	
2,3,4,7,8-PeCDF	3.60	-----	0.0950		2,3,4,6,7,8-HxCDF-13C	4.00	96	
Total PeCDF	7.80	-----	0.0950		1,2,3,7,8,9-HxCDF-13C	4.00	93	
					1,2,3,4,7,8-HxCDD-13C	4.00	99	
1,2,3,7,8-PeCDD	0.23	-----	0.0950	J	1,2,3,6,7,8-HxCDD-13C	4.00	97	
Total PeCDD	1.00	-----	0.0950		1,2,3,4,6,7,8-HpCDF-13C	4.00	104	
					1,2,3,4,7,8,9-HpCDF-13C	4.00	102	
1,2,3,4,7,8-HxCDF	-----	11.0	0.0950	E	1,2,3,4,6,7,8-HpCDD-13C	4.00	162	IP
1,2,3,6,7,8-HxCDF	3.60	-----	0.0950		OCDD-13C	8.00	377	IP
2,3,4,6,7,8-HxCDF	5.90	-----	0.0950					
1,2,3,7,8,9-HxCDF	3.50	-----	0.0950		1,2,3,4-TCDD-13C	2.00	NA	
Total HxCDF	150.00	-----	0.0950		1,2,3,7,8,9-HxCDD-13C	2.00	NA	
1,2,3,4,7,8-HxCDD	ND	-----	0.0950		2,3,7,8-TCDD-37Cl4	0.20	81	
1,2,3,6,7,8-HxCDD	46.00	-----	0.0950					
1,2,3,7,8,9-HxCDD	3.50	-----	0.0950					
Total HxCDD	110.00	-----	0.0950					
1,2,3,4,6,7,8-HpCDF	110.00	-----	0.0950		Total 2,3,7,8-TCDD			
1,2,3,4,7,8,9-HpCDF	12.00	-----	0.0950		Equivalence: 19 ng/L			
Total HpCDF	530.00	-----	0.0950		(Using ITE Factors)			
1,2,3,4,6,7,8-HpCDD	690.00	-----	0.0950					
Total HpCDD	1000.00	-----	0.0950					
OCDF	270.00	-----	0.1900					
OCDD	2600.00	-----	0.1900					

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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P = Recovery outside of target range
Nn = Value obtained from additional analysis

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S = Saturated signal
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NA = Not Applicable
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* = See Discussion

Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15913		
Lab Sample ID	103017455		
Filename	U11002A_13		
Injected By	CVS		
Total Amount Extracted	1055 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 18:57

Native Isomers	Conc ng/L	EMPC ng/L	LRL ng/L		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.0020	-----	0.00190	J	2,3,7,8-TCDF-13C	4.00	79
Total TCDF	0.0020	-----	0.00190	J	2,3,7,8-TCDD-13C	4.00	76
					1,2,3,7,8-PeCDF-13C	4.00	80
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	78
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	79
					1,2,3,4,7,8-HxCDF-13C	4.00	92
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	97
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	93
Total PeCDF	0.0330	-----	0.00950	J	1,2,3,7,8,9-HxCDF-13C	4.00	87
					1,2,3,4,7,8-HxCDD-13C	4.00	93
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	95
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	95
					1,2,3,4,7,8,9-HpCDF-13C	4.00	87
1,2,3,4,7,8-HxCDF	0.0160	-----	0.00950	J	1,2,3,4,6,7,8-HpCDD-13C	4.00	89
1,2,3,6,7,8-HxCDF	0.0360	-----	0.00950	J	OCDD-13C	8.00	82
2,3,4,6,7,8-HxCDF	0.0170	-----	0.00950	J			
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.4500	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	0.0980	-----	0.00950				
1,2,3,7,8,9-HxCDD	0.0200	-----	0.00950	J			
Total HxCDD	0.2900	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.2700	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0240	-----	0.00950	J	Equivalence: 0.068 ng/L		
Total HpCDF	1.4000	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	2.3000	-----	0.00950				
Total HpCDD	3.6000	-----	0.00950				
OCDF	1.9000	-----	0.01900				
OCDD	21.0000	-----	0.01900				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15914		
Lab Sample ID	103017463		
Filename	U11002A_14		
Injected By	CVS		
Total Amount Extracted	1057.6 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 19:47

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	4.00	80
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	75
					1,2,3,7,8-PeCDF-13C	4.00	79
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	78
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	79
					1,2,3,4,7,8-HxCDF-13C	4.00	92
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	93
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	92
Total PeCDF	0.010	-----	0.00950	J	1,2,3,7,8,9-HxCDF-13C	4.00	86
					1,2,3,4,7,8-HxCDD-13C	4.00	92
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	95
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	97
					1,2,3,4,7,8,9-HpCDF-13C	4.00	87
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	90
1,2,3,6,7,8-HxCDF	0.018	-----	0.00950	J	OCDD-13C	8.00	81
2,3,4,6,7,8-HxCDF	ND	-----	0.00950				
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.130	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	79
1,2,3,6,7,8-HxCDD	0.028	-----	0.00950	J			
1,2,3,7,8,9-HxCDD	0.012	-----	0.00950	J			
Total HxCDD	0.140	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.130	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00950		Equivalence: 0.023 ng/L		
Total HpCDF	0.430	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.880	-----	0.00950				
Total HpCDD	1.400	-----	0.00950				
OCDF	0.660	-----	0.01900				
OCDD	6.400	-----	0.01900				

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NA = Not Applicable
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Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15915		
Lab Sample ID	103017471		
Filename	U11002B_03		
Injected By	CVS		
Total Amount Extracted	1054 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_16 & U11002B_14	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/02/2001 23:57

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	4.00	76
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	72
					1,2,3,7,8-PeCDF-13C	4.00	73
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	75
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	74
					1,2,3,4,7,8-HxCDF-13C	4.00	88
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	93
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	91
Total PeCDF	0.021	-----	0.00950	J	1,2,3,7,8,9-HxCDF-13C	4.00	84
					1,2,3,4,7,8-HxCDD-13C	4.00	84
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	101
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	94
					1,2,3,4,7,8,9-HpCDF-13C	4.00	84
1,2,3,4,7,8-HxCDF	0.012	-----	0.00950	J	1,2,3,4,6,7,8-HpCDD-13C	4.00	86
1,2,3,6,7,8-HxCDF	0.047	-----	0.00950	J	OCDD-13C	8.00	84
2,3,4,6,7,8-HxCDF	0.022	-----	0.00950	J			
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.460	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	77
1,2,3,6,7,8-HxCDD	0.086	-----	0.00950				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950				
Total HxCDD	0.200	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.420	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.040	-----	0.00950	J	Equivalence: 0.11 ng/L		
Total HpCDF	2.400	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	3.700	-----	0.00950				
Total HpCDD	5.700	-----	0.00950				
OCDF	4.300	-----	0.01900				
OCDD	44.000	-----	0.01900				

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15916		
Lab Sample ID	103017489		
Filename	U11002B_04		
Injected By	CVS		
Total Amount Extracted	1056.2 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_16 & U11002B_14	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/03/2001 00:47

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	4.00	80
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	76
					1,2,3,7,8-PeCDF-13C	4.00	78
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	79
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	79
					1,2,3,4,7,8-HxCDF-13C	4.00	88
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	92
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	91
Total PeCDF	ND	-----	0.00950		1,2,3,7,8,9-HxCDF-13C	4.00	83
					1,2,3,4,7,8-HxCDD-13C	4.00	85
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	98
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	91
					1,2,3,4,7,8,9-HpCDF-13C	4.00	84
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	82
1,2,3,6,7,8-HxCDF	ND	-----	0.00950		OCDD-13C	8.00	73
2,3,4,6,7,8-HxCDF	ND	-----	0.00950				
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.025	-----	0.00950	J	1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	80
1,2,3,6,7,8-HxCDD	ND	-----	0.00950				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950				
Total HxCDD	ND	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.033	-----	0.00950	J	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00950		Equivalence: 0.0017 ng/L		
Total HpCDF	0.140	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.068	-----	0.00950	B			
Total HpCDD	0.098	-----	0.00950	BJ			
OCDF	0.150	-----	0.01900	B			
OCDD	0.560	-----	0.01900	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
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15917		
Lab Sample ID	103017497		
Filename	U11002B_05		
Injected By	CVS		
Total Amount Extracted	1057.1 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_16 & U11002B_14	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/03/2001 01:37

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	4.00	52
Total TCDF	ND	-----	0.00190		2,3,7,8-TCDD-13C	4.00	48
					1,2,3,7,8-PeCDF-13C	4.00	50
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	50
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	50
					1,2,3,4,7,8-HxCDF-13C	4.00	62
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	65
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	63
Total PeCDF	ND	-----	0.00950		1,2,3,7,8,9-HxCDF-13C	4.00	58
					1,2,3,4,7,8-HxCDD-13C	4.00	58
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	69
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	62
					1,2,3,4,7,8,9-HpCDF-13C	4.00	55
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	55
1,2,3,6,7,8-HxCDF	ND	-----	0.00950		OCDD-13C	8.00	48
2,3,4,6,7,8-HxCDF	ND	-----	0.00950				
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	ND	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	78
1,2,3,6,7,8-HxCDD	ND	-----	0.00950				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950				
Total HxCDD	ND	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	ND	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.00950		Equivalence: 0.00034 ng/L		
Total HpCDF	ND	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.016	-----	0.00950	BJ			
Total HpCDD	0.016	-----	0.00950	BJ			
OCDF	0.032	-----	0.01900	BJ			
OCDD	0.150	-----	0.01900	B			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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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
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15919		
Lab Sample ID	103017505		
Filename	U11002B_06		
Injected By	CVS		
Total Amount Extracted	1055.07 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11002A_16 & U11002B_14	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/03/2001 02:27

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	4.00	88
Total TCDF	0.0057	-----	0.00190	J	2,3,7,8-TCDD-13C	4.00	83
					1,2,3,7,8-PeCDF-13C	4.00	83
2,3,7,8-TCDD	ND	-----	0.00190		2,3,4,7,8-PeCDF-13C	4.00	83
Total TCDD	ND	-----	0.00190		1,2,3,7,8-PeCDD-13C	4.00	83
					1,2,3,4,7,8-HxCDF-13C	4.00	88
1,2,3,7,8-PeCDF	ND	-----	0.00950		1,2,3,6,7,8-HxCDF-13C	4.00	96
2,3,4,7,8-PeCDF	ND	-----	0.00950		2,3,4,6,7,8-HxCDF-13C	4.00	92
Total PeCDF	0.0230	-----	0.00950	J	1,2,3,7,8,9-HxCDF-13C	4.00	87
					1,2,3,4,7,8-HxCDD-13C	4.00	88
1,2,3,7,8-PeCDD	ND	-----	0.00950		1,2,3,6,7,8-HxCDD-13C	4.00	95
Total PeCDD	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDF-13C	4.00	92
					1,2,3,4,7,8,9-HpCDF-13C	4.00	84
1,2,3,4,7,8-HxCDF	ND	-----	0.00950		1,2,3,4,6,7,8-HpCDD-13C	4.00	84
1,2,3,6,7,8-HxCDF	0.0270	-----	0.00950	J	OCDD-13C	8.00	78
2,3,4,6,7,8-HxCDF	0.0120	-----	0.00950	J			
1,2,3,7,8,9-HxCDF	ND	-----	0.00950		1,2,3,4-TCDD-13C	2.00	NA
Total HxCDF	0.3500	-----	0.00950		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDD	ND	-----	0.00950		2,3,7,8-TCDD-37Cl4	0.20	88
1,2,3,6,7,8-HxCDD	0.0810	-----	0.00950				
1,2,3,7,8,9-HxCDD	ND	-----	0.00950				
Total HxCDD	0.1800	-----	0.00950				
1,2,3,4,6,7,8-HpCDF	0.2500	-----	0.00950		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	0.0140	-----	0.00950	J	Equivalence: 0.056 ng/L		
Total HpCDF	1.2000	-----	0.00950		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	2.1000	-----	0.00950				
Total HpCDD	3.3000	-----	0.00950				
OCDF	1.8000	-----	0.01900				
OCDD	19.0000	-----	0.01900				

Conc = Concentration (Totals include 2,3,7,8-substituted isomers)
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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
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated
* = See Discussion

Report No.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-1252		
Filename	U11002A_02	Matrix	WATER
Total Amount Extracted	991.6 mL	Dilution	NA
ICAL Date	09/14/2001	Extracted	09/28/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Analyzed	10/02/2001 09:48
Method Blank ID	BLANK-1258	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	83	2,3,7,8-TCDF-13C	4.00	74
				2,3,7,8-TCDD-13C	4.00	75
				1,2,3,7,8-PeCDF-13C	4.00	65
2,3,7,8-TCDD	0.20	0.18	88	2,3,4,7,8-PeCDF-13C	4.00	66
				1,2,3,7,8-PeCDD-13C	4.00	68
				1,2,3,4,7,8-HxCDF-13C	4.00	72
1,2,3,7,8-PeCDF	1.00	0.99	99	1,2,3,6,7,8-HxCDF-13C	4.00	89
2,3,4,7,8-PeCDF	1.00	1.02	102	2,3,4,6,7,8-HxCDF-13C	4.00	85
				1,2,3,7,8,9-HxCDF-13C	4.00	76
				1,2,3,4,7,8-HxCDD-13C	4.00	70
1,2,3,7,8-PeCDD	1.00	0.91	91	1,2,3,6,7,8-HxCDD-13C	4.00	97
				1,2,3,4,6,7,8-HpCDF-13C	4.00	89
				1,2,3,4,7,8,9-HpCDF-13C	4.00	81
1,2,3,4,7,8-HxCDF	1.00	1.02	102	1,2,3,4,6,7,8-HpCDD-13C	4.00	87
1,2,3,6,7,8-HxCDF	1.00	0.94	94	OCDD-13C	8.00	70
2,3,4,6,7,8-HxCDF	1.00	0.95	95			
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	0.97	97	2,3,7,8-TCDD-37Cl4	0.20	75
1,2,3,6,7,8-HxCDD	1.00	0.96	96			
1,2,3,7,8,9-HxCDD	1.00	0.99	99			
1,2,3,4,6,7,8-HpCDF	1.00	0.86	86			
1,2,3,4,7,8,9-HpCDF	1.00	0.89	89			
1,2,3,4,6,7,8-HpCDD	1.00	1.00	100			
OCDF	2.00	2.16	108			
OCDD	2.00	2.24	112			

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Pace Analytical™

Method 8290 Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-DUP-1170		
Filename	U11002A_03	Matrix	WATER
Total Amount Extracted	962 mL	Dilution	NA
ICAL Date	09/14/2001	Extracted	09/28/2001
CCal Filename(s)	U11002A_01 & U11002A_16	Analyzed	10/02/2001 10:34
Method Blank ID	BLANK-1258	Injected By	CVS

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.20	0.18	90	2,3,7,8-TCDF-13C	4.00	74
				2,3,7,8-TCDD-13C	4.00	74
				1,2,3,7,8-PeCDF-13C	4.00	69
2,3,7,8-TCDD	0.20	0.17	85	2,3,4,7,8-PeCDF-13C	4.00	68
				1,2,3,7,8-PeCDD-13C	4.00	69
				1,2,3,4,7,8-HxCDF-13C	4.00	81
1,2,3,7,8-PeCDF	1.00	0.95	95	1,2,3,6,7,8-HxCDF-13C	4.00	91
2,3,4,7,8-PeCDF	1.00	0.96	96	2,3,4,6,7,8-HxCDF-13C	4.00	87
				1,2,3,7,8,9-HxCDF-13C	4.00	78
				1,2,3,4,7,8-HxCDD-13C	4.00	78
1,2,3,7,8-PeCDD	1.00	0.92	92	1,2,3,6,7,8-HxCDD-13C	4.00	99
				1,2,3,4,6,7,8-HpCDF-13C	4.00	95
				1,2,3,4,7,8,9-HpCDF-13C	4.00	78
1,2,3,4,7,8-HxCDF	1.00	0.97	97	1,2,3,4,6,7,8-HpCDD-13C	4.00	92
1,2,3,6,7,8-HxCDF	1.00	1.00	100	OCDD-13C	8.00	74
2,3,4,6,7,8-HxCDF	1.00	1.04	104			
1,2,3,7,8,9-HxCDF	1.00	0.99	99	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	0.96	96	2,3,7,8-TCDD-37Cl4	0.20	79
1,2,3,6,7,8-HxCDD	1.00	0.94	94			
1,2,3,7,8,9-HxCDD	1.00	0.91	91			
1,2,3,4,6,7,8-HpCDF	1.00	0.93	93			
1,2,3,4,7,8,9-HpCDF	1.00	0.84	84			
1,2,3,4,6,7,8-HpCDD	1.00	0.98	98			
OCDF	2.00	2.04	102			
OCDD	2.00	2.20	110			

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

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SPIKE RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... ROBERT E LEE

SPIKE 1 ID..... SPIKE-1252
SPIKE 1 Filename..... U11002A_02
SPIKE 2 ID..... SPIKE-DUP-1170
SPIKE 2 Filename..... U11002A_03

COMPOUND	SPIKE 1 REC,%	SPIKE 2 REC,%	RPD,%
2378-TCDF	83	90	8.1
2378-TCDD	88	85	3.5
12378-PeCDF	99	95	4.1
23478-PeCDF	102	96	6.1
12378-PeCDD	91	92	1.1
123478-HxCDF	102	97	5.0
123678-HxCDF	94	100	6.2
234678-HxCDF	95	104	9.0
123789-HxCDF	84	99	16.4
123478-HxCDD	97	96	1.0
123678-HxCDD	96	94	2.1
123789-HxCDD	99	91	8.4
1234678-HpCDF	86	93	7.8
1234789-HpCDF	89	84	5.8
1234678-HpCDD	100	98	2.0
OCDF	108	102	5.7
OCDD	112	110	1.8

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

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DETERMINATION OF PCDD/PCDF LEVELS

Prepared for:
Robert E. Lee & Associates
Attn: Paul Knuth
2825 South Webster Ave.
Green Bay, WI 54301-2878

ACCREDITED IN ACCORDANCE WITH nelac

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: NA

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: October 9, 2001

ISSUED TO: Robert E. Lee & Associates
Attn: Paul Knuth
2825 South Webster Ave.
Green Bay, WI 54301-2878

REPORT NO: 01-1049184A

INTRODUCTION

This report summarizes the results from the analysis performed on one sample submitted by a representative of Robert E. Lee & Associates. The sample was analyzed for the presence of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) using a modified version of USEPA Method 1613 as described below.

SAMPLE IDENTIFICATION

Client ID	Sample Type	Date Received	Pace ID
01-15906	Water	09/26/01	103017398

METHODOLOGY

Sample Extraction

A portion of the sample was spiked with $^{13}C_{12}$-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 the 2,3,7,8-TCDD-$^{37}Cl_4$ enrichment efficiency standard (Table 1) and processed through the analyte enrichment procedures described below.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES **DATE:** October 9, 2001

 REPORT NO: 01-1049184A

Analyte Enrichment for PCDD/PCDF Analyses

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 were used to remove interferences from the extract.

The sample extract was transferred to a separatory funnel, diluted to 100 mL with hexane, and washed with 1N sodium hydroxide, concentrated sulfuric acid and 5% aqueous sodium chloride (w/v) as needed. The hexane layer was concentrated to 1 mL and quantitatively transferred to a liquid chromatography column containing alternating layers of silica gel, 40% concentrated sulfuric acid on silica gel, and 33% 1N 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 standard (1,2,3,4-TCDD-$^{13}C_{12}$) 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.

The mass spectrometer was operated in the electron impact ionization mode at a mass resolution of 10,000-11,000 (M/ΔM, 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 are not false positives resulting from interferences. Typical operating parameters for the HRGC/HRMS analyses are summarized in Table 2.

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PCDD/PCDF Analyses (Cont.)

The data were acquired by selected-ion-recording (SIR) monitoring of the groups of ion masses 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 (PCDPE) which, if present, could cause false responses in the dibenzofuran channels.

Each group of ion masses also contained a lock mass which was monitored during the analysis to detect suppressive interferences. It is particularly important to detect this type of interference since it can cause the quantification of congener class levels to be artificially high if it occurs during the elution of an internal standard or low if it occurs during the elution of the native analytes.

The lock mass was also 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 the 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 times
* Chromatographic retention times within elution windows determined from analyses of standard mixtures
* Absence of simultaneous response in the furan and diphenylether ion traces

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PROJECT: PCDD/PCDF ANALYSES **DATE:** October 9, 2001

 REPORT NO: 01-1049184A

PCDD/PCDF Analyses (Cont.)

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

PCDD/PCDF Quantification and Calculations

The PCDD/PCDF isomers were quantified by comparison of their responses to the responses of the labeled internal standards as described in EPA Method 1613. 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:

$$Rf = \frac{An \times Qis}{Ais \times Qn}$$

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 the sample were quantified using the following equation:

$$C = \frac{An \times Qis}{Ais \times W \times Rf}$$

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 weight, volume or area
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 and having retention times within the correct windows were then summed for calculations of total congener concentrations.

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

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

where:

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

The recovery of the enrichment efficiency standard and each $^{13}C_{12}$-labeled internal standard, relative to either 1,2,3,4-TCDD-$^{13}C_{12}$ or 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$, was calculated using the following equation:

$$\%R = \frac{Ais \times Qrs \times 100\%}{Rfr \times Ars \times Qis}$$

where:

%R = Percent recovery of labeled internal standard
Ais = Sum of integrated areas of labeled internal standard
Qrs = Quantity of recovery standard
Ars = Sum of integrated areas of recovery standard
Rfr = Response factor of the specific labeled internal standard relative to the recovery standard
Qis = Quantity of the labeled standard added to the sample

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Quality Control

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 a 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 that 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 that 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 fall to within the ranges specified in Method 1613.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: **PCDD/PCDF ANALYSES** **DATE:** October 9, 2001

 REPORT NO: 01-1049184A

RESULTS

The results from the analyses are included in the following:

Appendix A - Chain of Custody Documentation
Appendix B - PCDD/PCDF Analysis Results

DISCUSSION

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extracts ranged from 74-105%, indicating a level of efficiency through the extraction and enrichment steps that is considered typical for this matrix. All of the labeled standard recoveries obtained for this project were within the control ranges specified in Method 1613. Also, 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. It should be noted that the extraction batch received twice the normal level of the internal standards. This variation was accounted for in the calculations and accurate values were reported.

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 contain a low level of OCDD. The sample contained this isomer at a level similar to that seen in the blank and is flagged "B" on the data summary sheet. In general, levels less than ten times the background are not considered statistically different from the background. This suggests that the OCDD level reported for the sample may have originated in the laboratory.

Laboratory spike samples were also prepared with the sample batch 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 89-132% with relative percent differences of 0.0-13.6%. This indicates high degrees of accuracy and precision for these determinations.

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REPORT OF: CHEMICAL ANALYSES

PROJECT: PCDD/PCDF ANALYSES

DATE: October 9, 2001

REPORT NO: 01-1049184A

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.

Robert E. Lee & Associates , Inc.

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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
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2.0
1,2,3,7,8,9-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
Recovery Standards	
1,2,3,4-TCDD-$^{13}C_{12}$	2.0
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	2.0
Enrichment Efficiency Standard	
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/ΔM, 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	240°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

Compound	Accurate Mass Mass 1	Accurate Mass Mass 2	Theoretical Ratio 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

	Concentration (pg/uL)				
Native CDDs/CDFs	**CS1**	**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-$^{37}C1_4$	0.5	2	10	40	200

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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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APPENDIX A

REPORT OF LABORATORY ANALYSIS

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

CHAIN OF CUSTODY RECORD

COC # [redacted] 85980

Client: Robert E Lee & ASSOC

Project Name: Weisenberger Tie & Lumber

Project Number:

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:

Sample Type (Matrix)
DW = Drinking Water
GW = Groundwater
WW = Wastewater
Soil, Oil, Sludge, Air, Other

Analyses Required:
(Note special detection limits or methods)

Report to: Paul Knuth
Company: REL
Address:
Telephone:
Fax:

Invoice To:
Company:
Address:
Telephone:
Fax:

Sample Name	Date	Time	Comp	Grab	Filtered Y/N	Sample Type	No. Of Containers	Preservation Type (see key below)	Dioxins	REL Sample No.	Remarks:
01-15906	9/24/01				N	GW	1	U	X	307398	01-15906 Requires method 1613 EPA ~~1668~~ GC.
01-15907										406	
01-15909										414	
15910										422	
15911										430	
15912										448	
15913										455	
15914										463	
15915										471	
15916										489	
15917										497	
15919										505	

Relinquished By	Date	Time	Received By	Date	Time
1) Gene Lemire	9/25/01	1500 A/P	[signature]	9-26-01	1600 A/P
2)		A/P			A/P
3)		A/P			A/P

Received by Lab _____ A = AM P = PM

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

Preservation Key
N = Nitric Acid O = Sodium Hydroxide
H = Hydrochloric Acid U = Unpreserved
[illegible]hanol [illegible]furic A

WISCONSIN DNR CERTIFICATION NUMBER 405043870

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

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Blank Analysis Results

Client - ROBERT E LEE

Lab Sample ID	BLANK-1258	Matrix	WATER
Filename	U11003A_04	Dilution	NA
Total Amount Extracted	978.8 mL	Extracted	09/28/2001
ICAL Date	09/14/2001	Analyzed	10/03/2001 16:32
CCal Filename(s)	U11003A_01	Injected By	CVS

Native Isomers	Conc ng/L	EMPC ng/L	PRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	0.010	2,3,7,8-TCDF-13C	4.00	72
Total TCDF	ND	-----	-----	2,3,7,8-TCDD-13C	4.00	68
				1,2,3,7,8-PeCDF-13C	4.00	70
2,3,7,8-TCDD	ND	-----	0.010	2,3,4,7,8-PeCDF-13C	4.00	74
Total TCDD	ND	-----	-----	1,2,3,7,8-PeCDD-13C	4.00	73
				1,2,3,4,7,8-HxCDF-13C	4.00	76
1,2,3,7,8-PeCDF	ND	-----	0.051	1,2,3,6,7,8-HxCDF-13C	4.00	80
2,3,4,7,8-PeCDF	ND	-----	0.051	2,3,4,6,7,8-HxCDF-13C	4.00	83
Total PeCDF	ND	-----	-----	1,2,3,7,8,9-HxCDF-13C	4.00	75
				1,2,3,4,7,8-HxCDD-13C	4.00	80
1,2,3,7,8-PeCDD	ND	-----	0.051	1,2,3,6,7,8-HxCDD-13C	4.00	82
Total PeCDD	ND	-----	-----	1,2,3,4,6,7,8-HpCDF-13C	4.00	83
				1,2,3,4,7,8,9-HpCDF-13C	4.00	77
1,2,3,4,7,8-HxCDF	ND	-----	0.051	1,2,3,4,6,7,8-HpCDD-13C	4.00	72
1,2,3,6,7,8-HxCDF	ND	-----	0.051	OCDD-13C	8.00	67
2,3,4,6,7,8-HxCDF	ND	-----	0.051			
1,2,3,7,8,9-HxCDF	ND	-----	0.051	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	-----	0.051	2,3,7,8-TCDD-37Cl4	0.20	74
1,2,3,6,7,8-HxCDD	ND	-----	0.051			
1,2,3,7,8,9-HxCDD	ND	-----	0.051			
Total HxCDD	ND	-----	-----			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.051	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.051	Equivalence: 0.00026 ng/L		
Total HpCDF	ND	-----	-----	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	0.051			
Total HpCDD	ND	-----	-----			
OCDF	ND	-----	0.100			
OCDD	0.26	-----	0.100			

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Analysis Results

Client - ROBERT E LEE

Client's Sample ID	01-15906		
Lab Sample ID	103017398		
Filename	U11003A_05		
Injected By	CVS		
Total Amount Extracted	1056.4 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	09/24/2001
ICAL Date	09/14/2001	Received	09/26/2001
CCal Filename(s)	U11003A_01	Extracted	09/28/2001
Method Blank ID	BLANK-1258	Analyzed	10/03/2001 17:22

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	4.00	77
Total TCDF	ND	-----	-----	2,3,7,8-TCDD-13C	4.00	74
				1,2,3,7,8-PeCDF-13C	4.00	75
2,3,7,8-TCDD	ND	-----	0.0095	2,3,4,7,8-PeCDF-13C	4.00	79
Total TCDD	ND	-----	-----	1,2,3,7,8-PeCDD-13C	4.00	79
				1,2,3,4,7,8-HxCDF-13C	4.00	93
1,2,3,7,8-PeCDF	ND	-----	0.0470	1,2,3,6,7,8-HxCDF-13C	4.00	93
2,3,4,7,8-PeCDF	ND	-----	0.0470	2,3,4,6,7,8-HxCDF-13C	4.00	95
Total PeCDF	ND	-----	-----	1,2,3,7,8,9-HxCDF-13C	4.00	91
				1,2,3,4,7,8-HxCDD-13C	4.00	97
1,2,3,7,8-PeCDD	ND	-----	0.0470	1,2,3,6,7,8-HxCDD-13C	4.00	102
Total PeCDD	ND	-----	-----	1,2,3,4,6,7,8-HpCDF-13C	4.00	105
				1,2,3,4,7,8,9-HpCDF-13C	4.00	102
1,2,3,4,7,8-HxCDF	ND	-----	0.0470	1,2,3,4,6,7,8-HpCDD-13C	4.00	104
1,2,3,6,7,8-HxCDF	ND	-----	0.0470	OCDD-13C	8.00	94
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	81
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: 0.00028 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	0.28	-----	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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-1252		
Filename	U11003A_13	Matrix	WATER
Total Amount Extracted	991.6 mL	Dilution	NA
ICAL Date	09/14/2001	Extracted	09/28/2001
CCal Filename	U11003A_01	Analyzed	10/04/2001 00:01
Method Blank ID	BLANK-1258	Injected By	CVS

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.6	7.5	15.8	96
2,3,7,8-TCDD	10	9.4	6.7	15.8	94
1,2,3,7,8-PeCDF	50	51.2	40.0	67.0	102
2,3,4,7,8-PeCDF	50	51.3	34.0	80.0	103
1,2,3,7,8-PeCDD	50	48.9	35.0	71.0	98
1,2,3,4,7,8-HxCDF	50	50.2	36.0	67.0	100
1,2,3,6,7,8-HxCDF	50	52.7	42.0	65.0	105
2,3,4,6,7,8-HxCDF	50	52.1	35.0	78.0	104
1,2,3,7,8,9-HxCDF	50	50.2	39.0	65.0	100
1,2,3,4,7,8-HxCDD	50	50.6	35.0	82.0	101
1,2,3,6,7,8-HxCDD	50	50.6	38.0	67.0	101
1,2,3,7,8,9-HxCDD	50	48.1	32.0	81.0	96
1,2,3,4,6,7,8-HpCDF	50	51.1	41.0	61.0	102
1,2,3,4,7,8,9-HpCDF	50	51.2	39.0	69.0	102
1,2,3,4,6,7,8-HpCDD	50	58.7	35.0	70.0	117
OCDF	100	116.6	63.0	170.0	117
OCDD	100	131.9	78.0	144.0	132
2,3,7,8-TCDD-37Cl4	10	8.1	3.1	19.1	81
2,3,7,8-TCDF-13C	200	158.2	44.0	304.0	79
2,3,7,8-TCDD-13C	200	149.3	40.0	350.0	75
1,2,3,7,8-PeCDF-13C	200	148.9	42.0	384.0	74
2,3,4,7,8-PeCDF-13C	200	149.4	26.0	656.0	75
1,2,3,7,8-PeCDD-13C	200	151.3	42.0	454.0	76
1,2,3,4,7,8-HxCDF-13C	200	188.8	38.0	404.0	94
1,2,3,6,7,8-HxCDF-13C	200	180.6	42.0	318.0	90
2,3,4,6,7,8-HxCDF-13C	200	181.3	44.0	352.0	91
1,2,3,7,8,9-HxCDF-13C	200	175.7	34.0	410.0	88
1,2,3,4,7,8-HxCDD-13C	200	183.9	42.0	386.0	92
1,2,3,6,7,8-HxCDD-13C	200	187.1	50.0	326.0	94
1,2,3,4,6,7,8-HpCDF-13C	200	188.1	42.0	316.0	94
1,2,3,4,7,8,9-HpCDF-13C	200	177.8	40.0	372.0	89
1,2,3,4,6,7,8-HpCDD-13C	200	165.2	52.0	332.0	83
OCDD-13C	400	334.6	52.0	794.0	84

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Laboratory Control Spike Results

Client - ROBERT E LEE

Lab Sample ID	SPIKE-DUP-1170		
Filename	U11003A_14	Matrix	WATER
Total Amount Extracted	962 mL	Dilution	NA
ICAL Date	09/14/2001	Extracted	09/28/2001
CCal Filename	U11003A_01	Analyzed	10/04/2001 00:51
Method Blank ID	BLANK-Tridecane	Injected By	CVS

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDF	10	9.9	7.5	15.8	99
2,3,7,8-TCDD	10	9.5	6.7	15.8	95
1,2,3,7,8-PeCDF	50	50.9	40.0	67.0	102
2,3,4,7,8-PeCDF	50	51.7	34.0	80.0	103
1,2,3,7,8-PeCDD	50	49.4	35.0	71.0	99
1,2,3,4,7,8-HxCDF	50	51.3	36.0	67.0	103
1,2,3,6,7,8-HxCDF	50	54.7	42.0	65.0	109
2,3,4,6,7,8-HxCDF	50	52.3	35.0	78.0	105
1,2,3,7,8,9-HxCDF	50	50.9	39.0	65.0	102
1,2,3,4,7,8-HxCDD	50	51.7	35.0	82.0	103
1,2,3,6,7,8-HxCDD	50	50.8	38.0	67.0	102
1,2,3,7,8,9-HxCDD	50	47.9	32.0	81.0	96
1,2,3,4,6,7,8-HpCDF	50	44.4	41.0	61.0	89
1,2,3,4,7,8,9-HpCDF	50	51.3	39.0	69.0	103
1,2,3,4,6,7,8-HpCDD	50	56.0	35.0	70.0	112
OCDF	100	106.3	63.0	170.0	106
OCDD	100	122.4	78.0	144.0	122
2,3,7,8-TCDD-37Cl4	10	8.5	3.1	19.1	85
2,3,7,8-TCDF-13C	200	155.3	44.0	304.0	78
2,3,7,8-TCDD-13C	200	151.1	40.0	350.0	76
1,2,3,7,8-PeCDF-13C	200	153.2	42.0	384.0	77
2,3,4,7,8-PeCDF-13C	200	153.8	26.0	656.0	77
1,2,3,7,8-PeCDD-13C	200	154.5	42.0	454.0	77
1,2,3,4,7,8-HxCDF-13C	200	190.5	38.0	404.0	95
1,2,3,6,7,8-HxCDF-13C	200	183.7	42.0	318.0	92
2,3,4,6,7,8-HxCDF-13C	200	188.7	44.0	352.0	94
1,2,3,7,8,9-HxCDF-13C	200	183.6	34.0	410.0	92
1,2,3,4,7,8-HxCDD-13C	200	193.0	42.0	386.0	96
1,2,3,6,7,8-HxCDD-13C	200	183.2	50.0	326.0	92
1,2,3,4,6,7,8-HpCDF-13C	200	199.2	42.0	316.0	100
1,2,3,4,7,8,9-HpCDF-13C	200	185.9	40.0	372.0	93
1,2,3,4,6,7,8-HpCDD-13C	200	173.8	52.0	332.0	87
OCDD-13C	400	355.3	52.0	794.0	89

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.....01-1049184

REPORT OF LABORATORY ANALYSIS

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

SPIKE RECOVERY RELATIVE PERCENT DIFFERENCE (RPD) RESULTS

Client..... ROBERT E LEE

SPIKE 1 ID..... SPIKE-1252
SPIKE 1 Filename..... U11003A_13
SPIKE 2 ID..... SPIKE-DUP-1170
SPIKE 2 Filename..... U11003A_14

COMPOUND	SPIKE 1 REC,%	SPIKE 2 REC,%	RPD,%
2378-TCDF	96	99	3.1
2378-TCDD	94	95	1.1
12378-PeCDF	102	102	0.0
23478-PeCDF	103	103	0.0
12378-PeCDD	98	99	1.0
123478-HxCDF	100	103	3.0
123678-HxCDF	105	109	3.7
234678-HxCDF	104	105	1.0
123789-HxCDF	100	102	2.0
123478-HxCDD	101	103	2.0
123678-HxCDD	101	102	1.0
123789-HxCDD	96	96	0.0
1234678-HpCDF	102	89	13.6
1234789-HpCDF	102	103	1.0
1234678-HpCDD	117	112	4.4
OCDF	117	106	9.9
OCDD	132	122	7.9

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

Report No..... 01-1049184

REPORT OF LABORATORY ANALYSIS

LABORATORY REPORT
ENVIRONMENTAL HEALTH LABORATORY

PRIVATE WELL

Dept. of Natural Resources
Bureau of Water Supply
P.O. Box 7921
Madison, WI 53707

SYNTHETIC ORGANIC ANALYSES
FROM COMMERCIAL LABORATORIES

FORM: 3300-216

Section I: To be completed by the Department of Natural Resources

System Name: WEISENBERGER TIE & LUMBER City: _____

PWS ID#: _____ County Code: _____ Route Code: _____

System Well No: _____ Entry Point ID: _____ WI Unique Well No: _____

Sample Point Description: _____

System Type:
- _____ (MC) Municipal Community
- _____ (OC) OTM Community
- _____ (NN) Nontransient Noncommunity
- _____ (TN) Transient Noncommunity

Source Code:
- _____ W Well
- _____ E Entry Point
- _____ D Distribution

Sample Type:
- _____ D (SDWA) Compliance Sample
- _____ C (SDWA) Confirmation ___ - ___ - ___ (Initial Sample Date)
- _____ W Raw Water Sample
- _____ I Investigation Sample

Collect sample by: ___ - ___ - ___ **Return results to DNR by:** ___ - ___ - ___

Section II: To be completed by SAMPLER

Sample Collection Date: 09 - 24 - 2001 Sample Collection Time: ___ : ___

Sample Point Address: _____

Sample Point Descrip: _____

First Initial and Last Name of Sampler: ___ - _____

Section III: To be completed by LABORATORY OFFICIAL. Report analytical results on back.

Laboratory ID Number: 999766900 Laboratory Name: Environmental Health Laboratories

Date Sample Received: 09 - 26 - 2001 Time Sample Received: 09 : 40 Laboratory Sample ID: 658925

Signature of Receiving Lab Official: for Donna Martin Date Reported: 10 - 22 - 2001

Condition of Sample Upon Receipt: Iced / Wet

Section IV: To be completed by WATER SUPPLY SYSTEM OFFICIAL after analysis has been done.

I certify that I have personally examined and am familiar with the information submitted on this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true and accurate, and complete. I also certify that the values being submitted are the actual values found in the sample; no values have been modified or changed in any manner.

Signature: _____ Title: _____

Date Signed: _____

F520
Rev. 09/93

This page to be completed by WATER SUPPLY SYSTEM OFFICIAL or laboratory performing analysis.

Storet Code		Parameter	SDWA Method	MDL *	Results	MCL	Units
46317		Alachlor (Lasso)				2	ug/L
39053		Aldicarb				3	ug/L
82587		Aldicarb Sulfone				2	ug/L
82576		Aldicarb Sulfoxide				4	ug/L
34680		Aldrin				---	ug/L
39033		Atrazine				3	ug/L
34247		Benzo(a)pyrene				0.2	ug/L
77860		Butachlor				---	ug/L
77700		Carbaryl				---	ug/L
81405		Carbofuran				40	ug/L
39348		Chlordane alpha				---	ug/L
39810		Chlordane gamma				---	ug/L
39350		Chlordane				2	ug/L
39730		2,4-D				70	ug/L
38432		Dalapon				200	ug/L
46373		Deethylatrazine				---	ug/L
46374		Deisopropylatrazine				---	ug/L
99075		Diaminoatrazine				---	ug/L
38760		1,2-Dibromo-3-chloropropane (DBCP)				0.2	ug/L
82052		Dicamba				---	ug/L
39380		Dieldrin				---	ug/L
77903		Di(2-ethylhexyl)adipate				400	ug/L
46312		Di(2-ethylhexyl)phthalate				6	ug/L
81287		Dinoseb				7	ug/L
78885		Diquat				20	ug/L
38926		Endothall				100	ug/L
39390		Endrin				2.0	ug/L
46396		Ethylene dibromide (EDB)				0.05	ug/L
39941		Glyphosate (Round-up)				700	ug/L
39410		Heptachlor				0.4	ug/L
39420		Heptachlor epoxide				0.2	ug/L
34688		Hexachlorobenzene				1	ug/L
34386		Hexachlorocyclopentadiene				50	ug/L
82584		3-Hydroxycarbofuran				---	ug/L
39340		BHC gamma (Lindane)				0.2	ug/L
39480		Methoxychlor				40	ug/L
39051		Methomyl				---	ug/L
39356		Dual (Metolachlor)				---	ug/L
81408		Metribuzin (Sencor)				---	ug/L
38865		Oxamyl (Vydate)				200	ug/L
39515		PCB Total				0.5	ug/L
39032	X	Pentachlorophenol	515.1	0.04	< 0.04	1	ug/L
39720		Picloram (Tordon)				500	ug/L
30295		Propachlor				---	ug/L
39760		2,4,5-TP (Silvex)				50	ug/L
39055		Simazine				4	ug/L
34675		2,3,7,8-TCDD (Dioxin)				0.00003	ug/L
39400		Toxaphene				3	ug/L

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

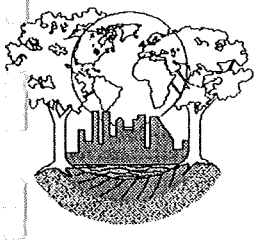
Site: Report #: 658925

REPORT SUMMARY

Pentachlorophenol was not detected in the sample submitted for analysis.

Note: Robert E. Lee & Associates Sample Name 01-15906

Analysis Date: 10/03/2001



Laboratory Name: Environmental Health Laboratories Laboratory ID Number: 999766900

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 (219) 233-4777.

Reviewed By: Steve Dwoyer Date: 10/23/01

Finalized By: [signature] Date: 10-23-01

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 # [redacted] 85980

Client: Robert E Lee & Assoc

Project Name: Weisenberger Tie & Lumber

Project Number:

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:

Sample Type (Matrix)
DW = Drinking Water
GW = Groundwater
WW = Wastewater
Soil, Oil, Sludge, Air, Other

Analyses Required:
(Note special detection limits or methods)
515 (Pentachlorophenol only)
625.1 (Preserved w/HCl, Amm)

Report to: Paul Knuth
Company: Rel
Address:
Telephone:
Fax:

Invoice To:
Company:
Address:
Telephone:
Fax:

Sample Name	Date	Time		Comp	Grab	Filtered Y/N	Sample Type (Matrix)	No. Of Containers	Preservation Type (see key below)	515	625.1	REL Sample No.	Remarks:
01-15906	9/24/01		A/P		X	N	GW	1	U	X		658925	

Relinquished By	Date	Time		Received By	Date	Time	
1) Kevin Lemere	9/25/01	1500	A/P	A Mastis	9-26-01	0940	A/P
2)			A/P				A/P
3)			A/P				A/P

Received by Lab _____ A = AM P = PM

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

WISCONSIN DNR CERTIFICATION NUMBER 405043870

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