EXHIBIT B

Soil Analyses

Spectrum Labs, Inc.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

RECEIVED BY
MAR 2 6 1993
WENCK ASSOCIATES, INC.

March 26, 1993

Mr Kenton Torve
Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, Minnesota 55359

Dear Kent:

Enclosed you will find the **revised** report for project number 021893-200127. Samples analyzed by EPA Method 8270 were concentrated and reanalyzed to achieve lower detection limits. In some samples for the analyte Di-n-butylpthalate, the concentration step lead to over-range results and the original analysis has been reported.

If you have any questions please do not hesitate to call me at (612) 633-0101 Ext 102

Sincerely,

Margaret L. Bicking

Margaret L Bicking
Assistant Laboratory Manager

MLB:lje

Enclosure

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	1 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302006336	
		Sample ID.:	MR-B9-0-8	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	4.7	03/02/93
Barium (6010)	mg/kg	0.2	120	03/01/93
Boron (6010)	mg/kg	0.4	28	03/01/93
Cadmium (6010)	mg/kg	0.4	1.8	03/01/93
Chromium (6010)	mg/kg	0.8	16	03/01/93
Lead (6010)	mg/kg	3.0	200	03/01/93
Mercury (7471)	mg/kg	0.050	0.089	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	Extracted 02/24/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 02/28/93
2-Chlorophenol	mg/kg	0.33	ND	03/23/93
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*2 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006336*
		Sample ID.:	*MR-B9-0-8*
ANALYSIS	*UNITS*	*MDL*	
Naphthalene	*mg/kg*	*0.33*	*0.76*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*0.89*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*0.57*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*3.6*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*3 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006336*
		Sample ID.:	*MR-B9-0-8*
ANALYSIS	*UNITS*	*MDL*	
Anthracene	*mg/kg*	*0.33*	*0.91*
Di-n-butylphthalate	*mg/kg*	*0.33*	*1.5**
Fluoroanthene	*mg/kg*	*0.33*	*3.8*
Pyrene	*mg/kg*	*0.33*	*6.2*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*3.4*
Chrysene	*mg/kg*	*0.33*	*4.2*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*5.0*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*4.5*
Benzo(a)pyrene	*mg/kg*	*0.33*	*5.2*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*2.8*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*1.4*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*3.8*

		Sample No.:	*9302006337*	
		Sample ID.:	*MR-B9-10*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*9.9*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*1.8*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*7.2*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*ND*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*4 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006337*	
		Sample ID.:	*MR-B9-10*	
ANALYSIS	***UNITS***	***MDL***		
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/24/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 02/28/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	
Naphthalene	*mg/kg*	*0.33*	*ND*	
4-Chloroaniline	*mg/kg*	*0.33*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*	
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*	
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*	
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*	

***ND** means Not Detected*
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	5 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302006337
		Sample ID.:	MR-B9-10
ANALYSIS	UNITS	MDL	
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	ND
Anthracene	mg/kg	0.33	ND
Di-n-butylphthalate	mg/kg	0.33	3.5*
Fluoroanthene	mg/kg	0.33	ND
Pyrene	mg/kg	0.33	ND
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	ND

*Laboratory contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*6 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006337*
		Sample ID.:	*MR-B9-10*
ANALYSIS	*UNITS*	*MDL*	
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

		Sample No.:	*9302006338*	
		Sample ID.:	*MR-B10-0-5*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*1.8*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*67*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*5.0*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*0.6*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*11*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*77*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*0.063*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/24/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 02/28/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	***03/23/93***
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*7 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006338*
		Sample ID.:	*MR-B10-0-5*
ANALYSIS	*UNITS*	*MDL*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*
2-Methylphenol	*mg/kg*	*0.33*	*ND*
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*
4-Methylphenol	*mg/kg*	*0.33*	*ND*
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Corrected*

DATE: *March 26, 1993* *PAGE:* *8 Of 71*

CLIENT: *Wenck Associates, Inc.*
1800 Pioneer Creek Drive
Maple Plain, MN 55359

PROJECT NO.: *021893-200127*
COLLECTED BY: *Client*
COLLECTION DATE: *2/18/93-2/25/93*
RECEIVED DATE: *2/18/93-2/25/93*
PROJECT DESCP: *Milwaukee Road*

CONTACT: *Kenton Torve*

		Sample No.:	9302006338
		Sample ID.:	MR-B10-0-5
ANALYSIS	UNITS	MDL	
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	1.7
Anthracene	mg/kg	0.33	0.45
Di-n-butylphthalate	mg/kg	0.33	1.0*
Fluoroanthene	mg/kg	0.33	1.7
Pyrene	mg/kg	0.33	5.3
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	1.9
Chrysene	mg/kg	0.33	2.4
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND
Di-n-octylphthalate	mg/kg	0.33	ND
Benzo(b)fluoranthene	mg/kg	0.33	2.4

**Laboratory Contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*9 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006338*
		Sample ID.:	*MR-B10-0-5*
ANALYSIS	***UNITS***	***MDL***	
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*2.4*
Benzo(a)pyrene	*mg/kg*	*0.33*	*2.2*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*1.0*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*1.6*

		Sample No.:	*9302006339*	
		Sample ID.:	*MR-B10-11*	***ANALYSIS***
ANALYSIS	***UNITS***	***MDL***		***DATE***
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*17*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*1.4*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*5.0*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*3.4*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/24/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 02/28/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	

***ND** means Not Detected*
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*10 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006339*
		Sample ID.:	*MR-B10-11*
ANALYSIS	*UNITS*	*MDL*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*11 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006339*
		Sample ID.:	*MR-B10-11*
ANALYSIS	*UNITS*	*MDL*	
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*4.1**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	**PAGE:**	12 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	**PROJECT NO.:** **COLLECTED BY:** **COLLECTION DATE:** **RECEIVED DATE:**	021893-200127 Client 2/18/93-2/25/93 2/18/93-2/25/93
CONTACT:	Kenton Torve	**PROJECT DESCP:**	Milwaukee Road

		Sample No.:	9302006340	
		Sample ID.:	MR-B12-1-3	**ANALYSIS**
ANALYSIS	**UNITS**	**MDL**		**DATE**
Arsenic (7060)	mg/kg	1.0	6.1	03/02/93
Barium (6010)	mg/kg	0.2	120	03/01/93
Boron (6010)	mg/kg	0.4	13	03/01/93
Cadmium (6010)	mg/kg	0.4	0.8	03/01/93
Chromium (6010)	mg/kg	0.8	30	03/01/93
Lead (6010)	mg/kg	3.0	500	03/01/93
Mercury (7471)	mg/kg	0.050	0.070	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 02/24/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 02/28/93**
2-Chlorophenol	mg/kg	0.33	ND	**03/23/93**
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*13 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006340*
		Sample ID.:	*MR-B12-1-3*
ANALYSIS	*UNITS*	*MDL*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*0.68*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*0.87*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*14 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006340*
		Sample ID.:	*MR-B12-1-3*
ANALYSIS	*UNITS*	*MDL*	
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*3.0*
Anthracene	*mg/kg*	*0.33*	*0.70*
Di-n-butylphthalate	*mg/kg*	*0.33*	*2.9**
Fluoroanthene	*mg/kg*	*0.33*	*2.3*
Pyrene	*mg/kg*	*0.33*	*4.6*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*2.4*
Chrysene	*mg/kg*	*0.33*	*3.4*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*4.3*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*1.8*
Benzo(a)pyrene	*mg/kg*	*0.33*	*2.6*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*1.8*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*1.1*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*2.4*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	15 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302006341	
		Sample ID.:	MR-B12-4	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	ND	03/02/93
Barium (6010)	mg/kg	0.2	9.9	03/01/93
Boron (6010)	mg/kg	0.4	1.0	03/01/93
Cadmium (6010)	mg/kg	0.4	ND	03/01/93
Chromium (6010)	mg/kg	0.8	5.0	03/01/93
Lead (6010)	mg/kg	3.0	ND	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 03/05/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 03/08/93**
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	MDL	Sample No.: 9302006341 Sample ID.: MR-B12-4
1,2,4-Trichlorobenzene	mg/kg	0.33	ND
Naphthalene	mg/kg	0.33	ND
4-Chloroaniline	mg/kg	0.33	ND
Hexachlorobutadiene	mg/kg	0.33	ND
4-Chloro-3-methylphenol	mg/kg	0.33	ND
2-Methylnaphthalene	mg/kg	0.33	ND
Hexachlorocyclopentadiene	mg/kg	0.33	ND
2,4,6-Trichlorophenol	mg/kg	0.33	ND
2,4,5-Trichlorophenol	mg/kg	1.6	ND
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*17 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006341*
		Sample ID.:	*MR-B12-4*
ANALYSIS	*UNITS*	*MDL*	
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*2.0**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*18 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	9302006369	
		Sample ID.:	MR-B8-0-4	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	2.8	03/02/93
Barium (6010)	mg/kg	0.2	51	03/01/93
Boron (6010)	mg/kg	0.4	3.6	03/01/93
Cadmium (6010)	mg/kg	0.4	ND	03/01/93
Chromium (6010)	mg/kg	0.8	11	03/01/93
Lead (6010)	mg/kg	3.0	78	03/01/93
Mercury (7471)	mg/kg	0.050	0.17	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	Extracted 02/25/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 03/01/93
2-Chlorophenol	mg/kg	0.33	ND	03/23/93
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*19 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006369*
		Sample ID.:	*MR-B8-0-4*
ANALYSIS	*UNITS*	*MDL*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*20 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006369*
		Sample ID.:	*MR-B8-0-4*
ANALYSIS	*UNITS*	*MDL*	
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*0.70*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*0.74**
Fluoroanthene	*mg/kg*	*0.33*	*0.95*
Pyrene	*mg/kg*	*0.33*	*2.6*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*1.3*
Chrysene	*mg/kg*	*0.33*	*1.9*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*1.4*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*1.4*
Benzo(a)pyrene	*mg/kg*	*0.33*	*1.4*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*0.87*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*1.5*

		Sample No.:	*9302006370*	
		Sample ID.:	*MR-B8-6*	
ANALYSIS	*UNITS*	*MDL*		*ANALYSIS DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*13*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*1.2*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*3.2*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*ND*	*03/01/93*

**Laboratory Contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*21 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006370*	
		Sample ID.:	*MR-B8-6*	
ANALYSIS	*UNITS*	*MDL*		*ANALYSIS DATE*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/25/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/01/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	
Naphthalene	*mg/kg*	*0.33*	*ND*	
4-Chloroaniline	*mg/kg*	*0.33*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
MDL means Method Detection Limit
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*22 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006370*
		Sample ID.:	*MR-B8-6*
ANALYSIS	*UNITS*	*MDL*	
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*1.4**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*23 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	9302006370
		Sample ID.:	MR-B8-6
ANALYSIS	UNITS	MDL	
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	ND
Chrysene	mg/kg	0.33	ND
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND
Di-n-octylphthalate	mg/kg	0.33	ND
Benzo(b)fluoranthene	mg/kg	0.33	ND
Benzo(k)fluoranthene	mg/kg	0.33	ND
Benzo(a)pyrene	mg/kg	0.33	ND
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND
Dibenz(a,h)anthracene	mg/kg	0.33	ND
Benzo(g,h,i)perylene	mg/kg	0.33	ND

		Sample No.:	9302006371	
		Sample ID.:	MR-B7-0-2.5	ANALYSIS
ANALYSIS	UNITS	MDL		DATE
Arsenic (7060)	mg/kg	1.0	2.4	03/02/93
Barium (6010)	mg/kg	0.2	54	03/01/93
Boron (6010)	mg/kg	0.4	3.4	03/01/93
Cadmium (6010)	mg/kg	0.4	0.4	03/01/93
Chromium (6010)	mg/kg	0.8	20	03/01/93
Lead (6010)	mg/kg	3.0	84	03/01/93
Mercury (7471)	mg/kg	0.050	0.060	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	Extracted 02/25/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 03/01/93
2-Chlorophenol	mg/kg	0.33	ND	03/23/93

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*24 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006371*
		Sample ID.:	*MR-B7-0-2.5*
ANALYSIS	*UNITS*	*MDL*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*
Benzyl alcohol	*mg/kg*	*0.33*	*ND*
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*
2-Methylphenol	*mg/kg*	*0.33*	*ND*
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*
4-Methylphenol	*mg/kg*	*0.33*	*ND*
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*0.52*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*0.48*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993 *PAGE:* 25 Of 71

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MNNNNNNNNNNNN-222///2255///999333

PROJECT NO.: 021893-200127
COLLECTED BY: Client

CONTACT: Kenton Torve *PROJECT DESCP:* Milwaukee Road

ANALYSIS	UNITS	MDL	Sample No.: 9302006371 Sample ID.: MR-B7-0-2.5
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	2.4
Anthracene	mg/kg	0.33	0.81
Di-n-butylphthalate	mg/kg	0.33	11*
Fluoroanthene	mg/kg	0.33	1.6
Pyrene	mg/kg	0.33	2.9
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	1.2
Chrysene	mg/kg	0.33	2.1
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND
Di-n-octylphthalate	mg/kg	0.33	ND

*Laboratory contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*26 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	9302006371
		Sample ID.:	MR-B7-0-2.5
ANALYSIS	UNITS	MDL	
Benzo(b)fluoranthene	mg/kg	0.33	1.1
Benzo(k)fluoranthene	mg/kg	0.33	1.0
Benzo(a)pyrene	mg/kg	0.33	ND
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND
Dibenz(a,h)anthracene	mg/kg	0.33	ND
Benzo(g,h,i)perylene	mg/kg	0.33	ND

		Sample No.:	9302006372	
		Sample ID.:	MR-B7-6	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	ND	03/02/93
Barium (6010)	mg/kg	0.2	8.6	03/01/93
Boron (6010)	mg/kg	0.4	0.6	03/01/93
Cadmium (6010)	mg/kg	0.4	ND	03/01/93
Chromium (6010)	mg/kg	0.8	7.8	03/01/93
Lead (6010)	mg/kg	3.0	ND	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 02/25/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 3/01/93**
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*27 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006372*
		Sample ID.:	*MR-B7-6*
ANALYSIS	*UNITS*	*MDL*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*28 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006372*
		Sample ID.:	*MR-B7-6*
ANALYSIS	*UNITS*	*MDL*	
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*ND*
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*2.3*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993 | *PAGE:* 29 Of 71

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	Sample No.: / Sample ID.: / MDL	9302006373 / MR-B6-0-3	ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	1.2	03/02/93
Barium (6010)	mg/kg	0.2	130	03/01/93
Boron (6010)	mg/kg	0.4	2.6	03/01/93
Cadmium (6010)	mg/kg	0.4	0.4	03/01/93
Chromium (6010)	mg/kg	0.8	12	03/01/93
Lead (6010)	mg/kg	3.0	64	03/01/93
Mercury (7471)	mg/kg	0.050	0.051	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	3.3	ND	**Extracted 02/25/93**
bis(2-Chloroethyl)ether	mg/kg	3.3	ND	**Analyzed 03/01/93**
2-Chlorophenol	mg/kg	3.3	ND	
1,3-Dichlorobenzene	mg/kg	3.3	ND	
1,4-Dichlorobenzene	mg/kg	3.3	ND	
Benzyl alcohol	mg/kg	3.3	ND	
1,2-Dichlorobenzene	mg/kg	3.3	ND	
2-Methylphenol	mg/kg	3.3	ND	
bis(2-Chloroisopropyl)ether	mg/kg	3.3	ND	
4-Methylphenol	mg/kg	3.3	ND	
N-Nitroso-di-n-propylamine	mg/kg	3.3	ND	
Hexachloroethane	mg/kg	3.3	ND	
Nitrobenzene	mg/kg	3.3	ND	
Isophorone	mg/kg	3.3	ND	
2-Nitrophenol	mg/kg	3.3	ND	
2,4-Dimethylphenol	mg/kg	3.3	ND	
Benzoic acid	mg/kg	16	ND	
bis(2-Chloroethoxy)methane	mg/kg	3.3	ND	
2,4-Dichlorophenol	mg/kg	3.3	ND	
1,2,4-Trichlorobenzene	mg/kg	3.3	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*30 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006373*
		Sample ID.:	*MR-B6-0-3*
ANALYSIS	*UNITS*	*MDL*	
Naphthalene	*mg/kg*	*3.3*	*ND*
4-Chloroaniline	*mg/kg*	*3.3*	*ND*
Hexachlorobutadiene	*mg/kg*	*3.3*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*3.3*	*ND*
2-Methylnaphthalene	*mg/kg*	*3.3*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*3.3*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*3.3*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*16*	*ND*
2-Chloronaphthalene	*mg/kg*	*3.3*	*ND*
2-Nitroaniline	*mg/kg*	*16*	*ND*
Dimethylphthalate	*mg/kg*	*3.3*	*ND*
Acenaphthylene	*mg/kg*	*3.3*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*3.3*	*ND*
3-Nitroaniline	*mg/kg*	*16*	*ND*
Acenaphthene	*mg/kg*	*3.3*	*ND*
2,4-Dinitrophenol	*mg/kg*	*16*	*ND*
4-Nitrophenol	*mg/kg*	*16*	*ND*
Dibenzofuran	*mg/kg*	*3.3*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*3.3*	*ND*
Diethylphthalate	*mg/kg*	*3.3*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*3.3*	*ND*
Fluorene	*mg/kg*	*3.3*	*ND*
4-Nitroaniline	*mg/kg*	*16*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*16*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*3.3*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*3.3*	*ND*
Hexachlorobenzene	*mg/kg*	*3.3*	*ND*
Pentachlorophenol	*mg/kg*	*16*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*31 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006373*
		Sample ID.:	*MR-B6-0-3*
ANALYSIS	*UNITS*	*MDL*	
Phenanthrene	*mg/kg*	*3.3*	*11*
Anthracene	*mg/kg*	*3.3*	*ND*
Di-n-butylphthalate	*mg/kg*	*3.3*	*ND*
Fluoroanthene	*mg/kg*	*3.3*	*19*
Pyrene	*mg/kg*	*3.3*	*35*
Butylbenzylphthalate	*mg/kg*	*3.3*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*6.6*	*ND*
Benzo(a)anthracene	*mg/kg*	*3.3*	*10*
Chrysene	*mg/kg*	*3.3*	*14*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*3.3*	*ND*
Di-n-octylphthalate	*mg/kg*	*3.3*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*3.3*	*12*
Benzo(k)fluoranthene	*mg/kg*	*3.3*	*9.2*
Benzo(a)pyrene	*mg/kg*	*3.3*	*13*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*3.3*	*8.4*
Dibenz(a,h)anthracene	*mg/kg*	*3.3*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*3.3*	*15*

		Sample No.:	*9302006374*	
		Sample ID.:	*MR-B6-7*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*35*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*0.6*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*23*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*8.5*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*32 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006374*	
		Sample ID.:	*MR-B6-7*	
ANALYSIS	***UNITS***	***MDL***		
(8270)				
Phenol	*mg/kg*	*0.99*	*ND*	***Extracted 02/25/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.99*	*ND*	***Analyzed 03/01/93***
2-Chlorophenol	*mg/kg*	*0.99*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.99*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.99*	*ND*	
Benzyl alcohol	*mg/kg*	*0.99*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.99*	*ND*	
2-Methylphenol	*mg/kg*	*0.99*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.99*	*ND*	
4-Methylphenol	*mg/kg*	*0.99*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.99*	*ND*	
Hexachloroethane	*mg/kg*	*0.99*	*ND*	
Nitrobenzene	*mg/kg*	*0.99*	*ND*	
Isophorone	*mg/kg*	*0.99*	*ND*	
2-Nitrophenol	*mg/kg*	*0.99*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.99*	*ND*	
Benzoic acid	*mg/kg*	*4.8*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.99*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.99*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.99*	*ND*	
Naphthalene	*mg/kg*	*0.99*	*ND*	
4-Chloroaniline	*mg/kg*	*0.99*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.99*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.99*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.99*	*ND*	
Hexachlorocyclopentadiene	*mg/kg*	*0.99*	*ND*	
2,4,6-Trichlorophenol	*mg/kg*	*0.99*	*ND*	
2,4,5-Trichlorophenol	*mg/kg*	*4.8*	*ND*	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*33 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006374*
		Sample ID.:	*MR-B6-7*
ANALYSIS	*UNITS*	*MDL*	
2-Chloronaphthalene	*mg/kg*	*0.99*	*ND*
2-Nitroaniline	*mg/kg*	*4.8*	*ND*
Dimethylphthalate	*mg/kg*	*0.99*	*ND*
Acenaphthylene	*mg/kg*	*0.99*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.99*	*ND*
3-Nitroaniline	*mg/kg*	*4.8*	*ND*
Acenaphthene	*mg/kg*	*0.99*	*ND*
2,4-Dinitrophenol	*mg/kg*	*4.8*	*ND*
4-Nitrophenol	*mg/kg*	*4.8*	*ND*
Dibenzofuran	*mg/kg*	*0.99*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.99*	*ND*
Diethylphthalate	*mg/kg*	*0.99*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.99*	*ND*
Fluorene	*mg/kg*	*0.99*	*ND*
4-Nitroaniline	*mg/kg*	*4.8*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*4.8*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.99*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.99*	*ND*
Hexachlorobenzene	*mg/kg*	*0.99*	*ND*
Pentachlorophenol	*mg/kg*	*4.8*	*ND*
Phenanthrene	*mg/kg*	*0.99*	*2.3*
Anthracene	*mg/kg*	*0.99*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.99*	*1.3**
Fluoroanthene	*mg/kg*	*0.99*	*2.5*
Pyrene	*mg/kg*	*0.99*	*3.0*
Butylbenzylphthalate	*mg/kg*	*0.99*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*2.0*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.99*	*1.0*
Chrysene	*mg/kg*	*0.99*	*1.3*

**Laboratory contaminant*

***ND** means Not Detected*
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*34 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006374*
		Sample ID.:	*MR-B6-7*
ANALYSIS	*UNITS*	*MDL*	
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.99*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.99*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.99*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.99*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.99*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.99*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.99*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.99*	*ND*

		Sample No.:	*9302006375*	
		Sample ID.:	*MR-B4-0-3*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*1.1*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*42*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*2.7*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*9.8*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*31*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*0.15*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/25/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/01/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	***03/23/93***
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	

***ND** means Not Detected*
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

		Sample No.:	9302006375
		Sample ID.:	MR-B4-0-3
ANALYSIS	UNITS	MDL	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND
4-Methylphenol	mg/kg	0.33	ND
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND
Hexachloroethane	mg/kg	0.33	ND
Nitrobenzene	mg/kg	0.33	ND
Isophorone	mg/kg	0.33	ND
2-Nitrophenol	mg/kg	0.33	ND
2,4-Dimethylphenol	mg/kg	0.33	ND
Benzoic acid	mg/kg	1.6	ND
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND
2,4-Dichlorophenol	mg/kg	0.33	ND
1,2,4-Trichlorobenzene	mg/kg	0.33	ND
Naphthalene	mg/kg	0.33	ND
4-Chloroaniline	mg/kg	0.33	ND
Hexachlorobutadiene	mg/kg	0.33	ND
4-Chloro-3-methylphenol	mg/kg	0.33	ND
2-Methylnaphthalene	mg/kg	0.33	ND
Hexachlorocyclopentadiene	mg/kg	0.33	ND
2,4,6-Trichlorophenol	mg/kg	0.33	ND
2,4,5-Trichlorophenol	mg/kg	1.6	ND
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*36 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006375*
		Sample ID.:	*MR-B4-0-3*
ANALYSIS	*UNITS*	*MDL*	
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*1.4*
Anthracene	*mg/kg*	*0.33*	*0.36*
Di-n-butylphthalate	*mg/kg*	*0.33*	*0.85**
Fluoroanthene	*mg/kg*	*0.33*	*2.4*
Pyrene	*mg/kg*	*0.33*	*4.4*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*1.7*
Chrysene	*mg/kg*	*0.33*	*2.2*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*1.9*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*1.9*
Benzo(a)pyrene	*mg/kg*	*0.33*	*1.8*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*1.3*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*0.63*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*1.6*

**Laboratory Contaminant*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*37 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006376*	
		Sample ID.:	*MR-B4-8*	
ANALYSIS	***UNITS***	***MDL***		***ANALYSIS DATE***
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*20*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*0.8*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*8.2*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*3.4*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/25/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/01/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*38 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006376*
		Sample ID.:	*MR-B4-8*
ANALYSIS	*UNITS*	*MDL*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*39 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006376*
		Sample ID.:	*MR-B4-8*
ANALYSIS	*UNITS*	*MDL*	
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*6.7**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*1.5*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

		Sample No.:	*9302006377*	
		Sample ID.:	*MR-B4-0-3D*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*44*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*2.6*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*15*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*36*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*0.15*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*40 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

ANALYSIS	*UNITS*	*MDL*	*Sample No.:* 9302006377 *Sample ID.:* MR-B4-0-3D	
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 02/25/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/01/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	***03/23/93***
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	
Naphthalene	*mg/kg*	*0.33*	*ND*	
4-Chloroaniline	*mg/kg*	*0.33*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*	
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*	
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*	
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*41 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006377*
		Sample ID.:	*MR-B4-0-3D*
ANALYSIS	*UNITS*	*MDL*	
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	1.0
Anthracene	mg/kg	0.33	ND
Di-n-butylphthalate	mg/kg	0.33	17*
Fluoroanthene	mg/kg	0.33	1.6
Pyrene	mg/kg	0.33	2.6
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	1.4
Chrysene	mg/kg	0.33	1.8

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	42 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302006377
		Sample ID.:	MR-B4-0-3D
ANALYSIS	UNITS	MDL	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND
Di-n-octylphthalate	mg/kg	0.33	ND
Benzo(b)fluoranthene	mg/kg	0.33	1.7
Benzo(k)fluoranthene	mg/kg	0.33	1.0
Benzo(a)pyrene	mg/kg	0.33	1.4
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	1.1
Dibenz(a,h)anthracene	mg/kg	0.33	0.49
Benzo(g,h,i)perylene	mg/kg	0.33	1.3

		Sample No.:	9302006616	
		Sample ID.:	MR-B11-11	ANALYSIS
ANALYSIS	UNITS	MDL		DATE
Arsenic (7060)	mg/kg	1.0	ND	03/02/93
Barium (6010)	mg/kg	0.2	12	03/01/93
Boron (6010)	mg/kg	0.4	1.2	03/01/93
Cadmium (6010)	mg/kg	0.4	ND	03/01/93
Chromium (6010)	mg/kg	0.8	5.2	03/01/93
Lead (6010)	mg/kg	3.0	ND	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 02/24/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 02/28/93**
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*43 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006616*
		Sample ID.:	*MR-B11-11*
ANALYSIS	*UNITS*	*MDL*	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND
4-Methylphenol	mg/kg	0.33	ND
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND
Hexachloroethane	mg/kg	0.33	ND
Nitrobenzene	mg/kg	0.33	ND
Isophorone	mg/kg	0.33	ND
2-Nitrophenol	mg/kg	0.33	ND
2,4-Dimethylphenol	mg/kg	0.33	ND
Benzoic acid	mg/kg	1.6	ND
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND
2,4-Dichlorophenol	mg/kg	0.33	ND
1,2,4-Trichlorobenzene	mg/kg	0.33	ND
Naphthalene	mg/kg	0.33	ND
4-Chloroaniline	mg/kg	0.33	ND
Hexachlorobutadiene	mg/kg	0.33	ND
4-Chloro-3-methylphenol	mg/kg	0.33	ND
2-Methylnaphthalene	mg/kg	0.33	ND
Hexachlorocyclopentadiene	mg/kg	0.33	ND
2,4,6-Trichlorophenol	mg/kg	0.33	ND
2,4,5-Trichlorophenol	mg/kg	1.6	ND
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*44 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006616*
		Sample ID.:	*MR-B11-11*
ANALYSIS	*UNITS*	*MDL*	
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*8.3**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	MDL	Sample No.: 9302006617 Sample ID.: MR-B11-0-7	ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	3.4	03/02/93
Barium (6010)	mg/kg	0.2	210	03/01/93
Boron (6010)	mg/kg	0.4	49	03/01/93
Cadmium (6010)	mg/kg	0.4	1.4	03/01/93
Chromium (6010)	mg/kg	0.8	15	03/01/93
Lead (6010)	mg/kg	3.0	88	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	Extracted 02/24/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Extracted 02/28/93
2-Chlorophenol	mg/kg	0.33	ND	03/23/93
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	46 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302006617
		Sample ID.:	MR-B11-0-7
ANALYSIS	UNITS	MDL	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND
Naphthalene	mg/kg	0.33	ND
4-Chloroaniline	mg/kg	0.33	ND
Hexachlorobutadiene	mg/kg	0.33	ND
4-Chloro-3-methylphenol	mg/kg	0.33	ND
2-Methylnaphthalene	mg/kg	0.33	ND
Hexachlorocyclopentadiene	mg/kg	0.33	ND
2,4,6-Trichlorophenol	mg/kg	0.33	ND
2,4,5-Trichlorophenol	mg/kg	1.6	ND
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*47 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302006617*
		Sample ID.:	*MR-B11-0-7*
ANALYSIS	*UNITS*	*MDL*	
Phenanthrene	*mg/kg*	*0.33*	*0.39*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*9.6**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*0.43*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*0.35*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

		Sample No.:	*9302007190*	
		Sample ID.:	*MR-B2-8*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*21*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*1.4*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*3.4*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*ND*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	48 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

ANALYSIS	UNITS	MDL	Sample No.: 9302007190 Sample ID.: MR-B2-8	
(8270)				
Phenol	mg/kg	0.33	ND	Extracted 3/01/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 3/04/93
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	
Naphthalene	mg/kg	0.33	ND	
4-Chloroaniline	mg/kg	0.33	ND	
Hexachlorobutadiene	mg/kg	0.33	ND	
4-Chloro-3-methylphenol	mg/kg	0.33	ND	
2-Methylnaphthalene	mg/kg	0.33	ND	
Hexachlorocyclopentadiene	mg/kg	0.33	ND	
2,4,6-Trichlorophenol	mg/kg	0.33	ND	
2,4,5-Trichlorophenol	mg/kg	1.6	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*49 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007190*
		Sample ID.:	*MR-B2-8*
ANALYSIS	*UNITS*	*MDL*	
2-Chloronaphthalene	mg/kg	0.33	ND
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	ND
Anthracene	mg/kg	0.33	ND
Di-n-butylphthalate	mg/kg	0.33	4.6*
Fluoroanthene	mg/kg	0.33	ND
Pyrene	mg/kg	0.33	ND
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	ND
Chrysene	mg/kg	0.33	ND

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*50 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	9302007190
		Sample ID.:	MR-B2-8
ANALYSIS	UNITS	MDL	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND
Di-n-octylphthalate	mg/kg	0.33	ND
Benzo(b)fluoranthene	mg/kg	0.33	ND
Benzo(k)fluoranthene	mg/kg	0.33	ND
Benzo(a)pyrene	mg/kg	0.33	ND
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND
Dibenz(a,h)anthracene	mg/kg	0.33	ND
Benzo(g,h,i)perylene	mg/kg	0.33	ND

		Sample No.:	9302007191	
		Sample ID.:	MR-B2-0-5	ANALYSIS
ANALYSIS	UNITS	MDL		DATE
Arsenic (7060)	mg/kg	1.0	2.2	03/02/93
Barium (6010)	mg/kg	0.2	160	03/01/93
Boron (6010)	mg/kg	0.4	0.8	03/01/93
Cadmium (6010)	mg/kg	0.4	1.4	03/01/93
Chromium (6010)	mg/kg	0.8	17	03/01/93
Lead (6010)	mg/kg	3.0	160	03/01/93
Mercury (7471)	mg/kg	0.050	0.12	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 03/01/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 03/04/93**
2-Chlorophenol	mg/kg	0.33	ND	**03/23/93**
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*51 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007191*
		Sample ID.:	*MR-B2-0-5*
ANALYSIS	*UNITS*	*MDL*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*
4-Methylphenol	*mg/kg*	*0.33*	*ND*
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*52 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007191*
		Sample ID.:	*MR-B2-0-5*
ANALYSIS	*UNITS*	*MDL*	
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*2.1*
Anthracene	*mg/kg*	*0.33*	*0.57*
Di-n-butylphthalate	*mg/kg*	*0.33*	*4.9**
Fluoroanthene	*mg/kg*	*0.33*	*2.0*
Pyrene	*mg/kg*	*0.33*	*3.4*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*1.8*
Chrysene	*mg/kg*	*0.33*	*2.3*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*0.34*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*2.2*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*1.3*
Benzo(a)pyrene	*mg/kg*	*0.33*	*1.8*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*1.2*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*0.49*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*2.1*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	53 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302007192	
		Sample ID.:	MR-B2-0-5	ANALYSIS
ANALYSIS	UNITS	MDL	% Recovery	DATE
Arsenic (7060)	mg/kg	1.0	92	03/02/93
Barium (6010)	mg/kg	0.2	78	03/01/93
Boron (6010)	mg/kg	0.4	87	03/01/93
Cadmium (6010)	mg/kg	0.4	91	03/01/93
Chromium (6010)	mg/kg	0.8	89	03/01/93
Lead (6010)	mg/kg	3.0	110	03/01/93
Mercury (7471)	mg/kg	0.050	90	02/27/93
Selenium (7740)	mg/kg	2.0	86	03/02/93
Silver (6010)	mg/kg	1.0	100	03/01/93
(8270)				
Phenol	mg/kg	3.3	66	Extracted 03/01/93
2-Chlorophenol	mg/kg	3.3	70	Analyzed 03/04/93
1,4-Dichlorobenzene	mg/kg	3.3	62	
N-Nitroso-di-n-propylamine	mg/kg	3.3	62	
1,2,4-Trichlorobenzene	mg/kg	3.3	72	
4-Chloro-3-methylphenol	mg/kg	3.3	72	
Acenaphthene	mg/kg	3.3	80	
4-Nitrophenol	mg/kg	16	42	
2,4-Dinitrotoluene	mg/kg	3.3	73	
Pentachlorophenol	mg/kg	16	25	
Pyrene	mg/kg	3.3	110	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

		Sample No.:	9302007193	
		Sample ID.:	MR-B2-0-5	ANALYSIS
ANALYSIS	UNITS	MDL	% Recovery	DATE
Arsenic (7060)	mg/kg	1.0	68	03/02/93
Barium (6010)	mg/kg	0.2	120	03/01/93
Boron (6010)	mg/kg	0.4	69	03/01/93
Cadmium (6010)	mg/kg	0.4	99	03/01/93
Chromium (6010)	mg/kg	0.8	92	03/01/93
Lead (6010)	mg/kg	3.0	98	03/01/93
Mercury (7471)	mg/kg	0.050	86	02/27/93
Selenium (7740)	mg/kg	2.0	110	03/02/93
Silver (6010)	mg/kg	1.0	100	03/01/93
(8270)				
Phenol	mg/kg	3.3	68	Extracted 03/01/93
2-Chlorophenol	mg/kg	3.3	69	Analyzed 03/04/93
1,4-Dichlorobenzene	mg/kg	3.3	44	
N-Nitroso-di-n-propylamine	mg/kg	3.3	67	
1,2,4-Trichlorobenzene	mg/kg	3.3	69	
4-Chloro-3-methylphenol	mg/kg	3.3	78	
Acenaphthene	mg/kg	3.3	83	
4-Nitrophenol	mg/kg	16	49	
2,4-Dinitrotoluene	mg/kg	3.3	78	
Pentachlorophenol	mg/kg	16	30	
Pyrene	mg/kg	3.3	140	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*55 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007326*	
		Sample ID.:	*MR-B5-6*	
ANALYSIS	*UNITS*	*MDL*		*ANALYSIS DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*12*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*0.6*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*5.4*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*3.4*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 03/01/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/04/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*56 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007326*
		Sample ID.:	*MR-B5-6*
ANALYSIS	*UNITS*	*MDL*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*57 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007326*
		Sample ID.:	*MR-B5-6*
ANALYSIS	*UNITS*	*MDL*	
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*2.3**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*58 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007327*	
		Sample ID.:	*MR-B5-0-3*	
ANALYSIS	*UNITS*	*MDL*		*ANALYSIS DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*1.8*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*86*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*1.2*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*0.8*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*14*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*6.9*	*03/08/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*3.3*	*ND*	***Extracted 03/01/93***
bis(2-Chloroethyl)ether	*mg/kg*	*3.3*	*ND*	***Analyzed 03/04/93***
2-Chlorophenol	*mg/kg*	*3.3*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*3.3*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*3.3*	*ND*	
Benzyl alcohol	*mg/kg*	*3.3*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*3.3*	*ND*	
2-Methylphenol	*mg/kg*	*3.3*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*3.3*	*ND*	
4-Methylphenol	*mg/kg*	*3.3*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*3.3*	*ND*	
Hexachloroethane	*mg/kg*	*3.3*	*ND*	
Nitrobenzene	*mg/kg*	*3.3*	*ND*	
Isophorone	*mg/kg*	*3.3*	*ND*	
2-Nitrophenol	*mg/kg*	*3.3*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*3.3*	*ND*	
Benzoic acid	*mg/kg*	*16*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*3.3*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*3.3*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*3.3*	*ND*	

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*59 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007327*
		Sample ID.:	*MR-B5-0-3*
ANALYSIS	*UNITS*	*MDL*	
Naphthalene	*mg/kg*	*3.3*	*ND*
4-Chloroaniline	*mg/kg*	*3.3*	*ND*
Hexachlorobutadiene	*mg/kg*	*3.3*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*3.3*	*ND*
2-Methylnaphthalene	*mg/kg*	*3.3*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*3.3*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*3.3*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*16*	*ND*
2-Chloronaphthalene	*mg/kg*	*3.3*	*ND*
2-Nitroaniline	*mg/kg*	*16*	*ND*
Dimethylphthalate	*mg/kg*	*3.3*	*ND*
Acenaphthylene	*mg/kg*	*3.3*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*3.3*	*ND*
3-Nitroaniline	*mg/kg*	*16*	*ND*
Acenaphthene	*mg/kg*	*3.3*	*ND*
2,4-Dinitrophenol	*mg/kg*	*16*	*ND*
4-Nitrophenol	*mg/kg*	*16*	*ND*
Dibenzofuran	*mg/kg*	*3.3*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*3.3*	*ND*
Diethylphthalate	*mg/kg*	*3.3*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*3.3*	*ND*
Fluorene	*mg/kg*	*3.3*	*ND*
4-Nitroaniline	*mg/kg*	*16*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*16*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*3.3*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*3.3*	*ND*
Hexachlorobenzene	*mg/kg*	*3.3*	*ND*
Pentachlorophenol	*mg/kg*	*16*	*ND*
Phenanthrene	*mg/kg*	*3.3*	*20*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	March 26, 1993	PAGE:	60 Of 71
CLIENT:	Wenck Associates, Inc. 1800 Pioneer Creek Drive Maple Plain, MN 55359	PROJECT NO.:	021893-200127
		COLLECTED BY:	Client
		COLLECTION DATE:	2/18/93-2/25/93
		RECEIVED DATE:	2/18/93-2/25/93
CONTACT:	Kenton Torve	PROJECT DESCP:	Milwaukee Road

		Sample No.:	9302007327
		Sample ID.:	MR-B5-0-3
ANALYSIS	UNITS	MDL	
Anthracene	mg/kg	3.3	5.0
Di-n-butylphthalate	mg/kg	3.3	7.7*
Fluoroanthene	mg/kg	3.3	21
Pyrene	mg/kg	3.3	24
Butylbenzylphthalate	mg/kg	3.3	ND
3,3-Dichlorobenzidine	mg/kg	6.6	ND
Benzo(a)anthracene	mg/kg	3.3	9.1
Chrysene	mg/kg	3.3	10
bis(2-Ethylhexyl)phthalate	mg/kg	3.3	ND
Di-n-octylphthalate	mg/kg	3.3	ND
Benzo(b)fluoranthene	mg/kg	3.3	6.0
Benzo(k)fluoranthene	mg/kg	3.3	7.1
Benzo(a)pyrene	mg/kg	3.3	5.3
Indeno(1,2,3-c,d)pyrene	mg/kg	3.3	ND
Dibenz(a,h)anthracene	mg/kg	3.3	ND
Benzo(g,h,i)perylene	mg/kg	3.3	3.5

		Sample No.:	9302007328	
		Sample ID.:	MR-B3-0-3	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	1.0	03/02/93
Barium (6010)	mg/kg	0.2	81	03/01/93
Boron (6010)	mg/kg	0.4	2.6	03/01/93
Cadmium (6010)	mg/kg	0.4	0.6	03/01/93
Chromium (6010)	mg/kg	0.8	8.1	03/01/93
Lead (6010)	mg/kg	3.0	49	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93

*Laboratory contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*61 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

ANALYSIS	*UNITS*	*MDL*	*Sample No.: 9302007328* *Sample ID.: MR-B3-0-3*	
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 03/01/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/04/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	***03/23/93***
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	
Naphthalene	*mg/kg*	*0.33*	*ND*	
4-Chloroaniline	*mg/kg*	*0.33*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*	
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*	
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*	
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*	
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*62 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007328*
		Sample ID.:	*MR-B3-0-3*
ANALYSIS	*UNITS*	*MDL*	
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	0.67
Anthracene	mg/kg	0.33	ND
Di-n-butylphthalate	mg/kg	0.33	2.4*
Fluoroanthene	mg/kg	0.33	0.66
Pyrene	mg/kg	0.33	0.94
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	0.54
Chrysene	mg/kg	0.33	0.77
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND

**Laboratory Contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*63 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	9302007328
		Sample ID.:	MR-B3-0-3
ANALYSIS	UNITS	MDL	
Di-n-octylphthalate	mg/kg	0.33	ND
Benzo(b)fluoranthene	mg/kg	0.33	0.58
Benzo(k)fluoranthene	mg/kg	0.33	0.57
Benzo(a)pyrene	mg/kg	0.33	0.59
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	0.57
Dibenz(a,h)anthracene	mg/kg	0.33	ND
Benzo(g,h,i)perylene	mg/kg	0.33	0.76

		Sample No.:	9302007329	
		Sample ID.:	MR-B3-8	
ANALYSIS	UNITS	MDL		ANALYSIS DATE
Arsenic (7060)	mg/kg	1.0	ND	03/02/93
Barium (6010)	mg/kg	0.2	29	03/01/93
Boron (6010)	mg/kg	0.4	ND	03/01/93
Cadmium (6010)	mg/kg	0.4	ND	03/01/93
Chromium (6010)	mg/kg	0.8	9.2	03/01/93
Lead (6010)	mg/kg	3.0	3.6	03/01/93
Mercury (7471)	mg/kg	0.050	ND	02/27/93
Selenium (7740)	mg/kg	2.0	ND	03/02/93
Silver (6010)	mg/kg	1.0	ND	03/01/93
(8270)				
Phenol	mg/kg	0.33	ND	**Extracted 03/01/93**
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	**Analyzed 03/04/93**
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*64 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007329*
		Sample ID.:	*MR-B3-8*
ANALYSIS	*UNITS*	*MDL*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*
Hexachloroethane	*mg/kg*	*0.33*	*ND*
Nitrobenzene	*mg/kg*	*0.33*	*ND*
Isophorone	*mg/kg*	*0.33*	*ND*
2-Nitrophenol	*mg/kg*	*0.33*	*ND*
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*
Benzoic acid	*mg/kg*	*1.6*	*ND*
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*65 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007329*
		Sample ID.:	*MR-B3-8*
ANALYSIS	*UNITS*	*MDL*	
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*4.7**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*66 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007330*	
		Sample ID.:	*MR-B1-8*	*ANALYSIS*
ANALYSIS	*UNITS*	*MDL*		*DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*ND*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*44*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*0.8*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*ND*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*4.2*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*ND*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*ND*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extracted 03/01/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/04/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	

ND means Not Detected
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*67 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007330*
		Sample ID.:	*MR-B1-8*
ANALYSIS	*UNITS*	*MDL*	
Naphthalene	*mg/kg*	*0.33*	*ND*
4-Chloroaniline	*mg/kg*	*0.33*	*ND*
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*
2-Nitroaniline	*mg/kg*	*1.6*	*ND*
Dimethylphthalate	*mg/kg*	*0.33*	*ND*
Acenaphthylene	*mg/kg*	*0.33*	*ND*
2,6-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
3-Nitroaniline	*mg/kg*	*1.6*	*ND*
Acenaphthene	*mg/kg*	*0.33*	*ND*
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*
4-Nitrophenol	*mg/kg*	*1.6*	*ND*
Dibenzofuran	*mg/kg*	*0.33*	*ND*
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*
Diethylphthalate	*mg/kg*	*0.33*	*ND*
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Fluorene	*mg/kg*	*0.33*	*ND*
4-Nitroaniline	*mg/kg*	*1.6*	*ND*
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*
Pentachlorophenol	*mg/kg*	*1.6*	*ND*
Phenanthrene	*mg/kg*	*0.33*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*68 Of 71*
CLIENT:	*Wenck Associates, Inc.* *1800 Pioneer Creek Drive* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*021893-200127* *Client* *2/18/93-2/25/93* *2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

ANALYSIS	*UNITS*	*MDL*	*Sample No.: 9302007330* *Sample ID.: MR-B1-8*
Anthracene	*mg/kg*	*0.33*	*ND*
Di-n-butylphthalate	*mg/kg*	*0.33*	*0.77**
Fluoroanthene	*mg/kg*	*0.33*	*ND*
Pyrene	*mg/kg*	*0.33*	*ND*
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*
Chrysene	*mg/kg*	*0.33*	*ND*
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*ND*
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*

ANALYSIS	*UNITS*	*MDL*	*Sample No.: 9302007331* *Sample ID.: MR-B1-0-5*	*ANALYSIS DATE*
Arsenic (7060)	*mg/kg*	*1.0*	*1.6*	*03/02/93*
Barium (6010)	*mg/kg*	*0.2*	*78*	*03/01/93*
Boron (6010)	*mg/kg*	*0.4*	*13*	*03/01/93*
Cadmium (6010)	*mg/kg*	*0.4*	*0.8*	*03/01/93*
Chromium (6010)	*mg/kg*	*0.8*	*13*	*03/01/93*
Lead (6010)	*mg/kg*	*3.0*	*56*	*03/01/93*
Mercury (7471)	*mg/kg*	*0.050*	*0.074*	*02/27/93*
Selenium (7740)	*mg/kg*	*2.0*	*ND*	*03/02/93*
Silver (6010)	*mg/kg*	*1.0*	*ND*	*03/01/93*

**Laboratory contaminant*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*69 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007331*	
		Sample ID.:	*MR-B1-0-5*	
ANALYSIS	***UNITS***	***MDL***		
(8270)				
Phenol	*mg/kg*	*0.33*	*ND*	***Extraced 03/01/93***
bis(2-Chloroethyl)ether	*mg/kg*	*0.33*	*ND*	***Analyzed 03/04/93***
2-Chlorophenol	*mg/kg*	*0.33*	*ND*	***03/23/93***
1,3-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
1,4-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
Benzyl alcohol	*mg/kg*	*0.33*	*ND*	
1,2-Dichlorobenzene	*mg/kg*	*0.33*	*ND*	
2-Methylphenol	*mg/kg*	*0.33*	*ND*	
bis(2-Chloroisopropyl)ether	*mg/kg*	*0.33*	*ND*	
4-Methylphenol	*mg/kg*	*0.33*	*ND*	
N-Nitroso-di-n-propylamine	*mg/kg*	*0.33*	*ND*	
Hexachloroethane	*mg/kg*	*0.33*	*ND*	
Nitrobenzene	*mg/kg*	*0.33*	*ND*	
Isophorone	*mg/kg*	*0.33*	*ND*	
2-Nitrophenol	*mg/kg*	*0.33*	*ND*	
2,4-Dimethylphenol	*mg/kg*	*0.33*	*ND*	
Benzoic acid	*mg/kg*	*1.6*	*ND*	
bis(2-Chloroethoxy)methane	*mg/kg*	*0.33*	*ND*	
2,4-Dichlorophenol	*mg/kg*	*0.33*	*ND*	
1,2,4-Trichlorobenzene	*mg/kg*	*0.33*	*ND*	
Naphthalene	*mg/kg*	*0.33*	*ND*	
4-Chloroaniline	*mg/kg*	*0.33*	*ND*	
Hexachlorobutadiene	*mg/kg*	*0.33*	*ND*	
4-Chloro-3-methylphenol	*mg/kg*	*0.33*	*ND*	
2-Methylnaphthalene	*mg/kg*	*0.33*	*ND*	
Hexachlorocyclopentadiene	*mg/kg*	*0.33*	*ND*	
2,4,6-Trichlorophenol	*mg/kg*	*0.33*	*ND*	
2,4,5-Trichlorophenol	*mg/kg*	*1.6*	*ND*	
2-Chloronaphthalene	*mg/kg*	*0.33*	*ND*	

***ND** means Not Detected*
***MDL** means Method Detection Limit*
***mg/kg** means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)*

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: March 26, 1993

CLIENT: Wenck Associates, Inc
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	MDL	Sample No.: 9302007331 Sample ID.: MR-B1-0-5
2-Nitroaniline	mg/kg	1.6	ND
Dimethylphthalate	mg/kg	0.33	ND
Acenaphthylene	mg/kg	0.33	ND
2,6-Dinitrotoluene	mg/kg	0.33	ND
3-Nitroaniline	mg/kg	1.6	ND
Acenaphthene	mg/kg	0.33	ND
2,4-Dinitrophenol	mg/kg	1.6	ND
4-Nitrophenol	mg/kg	1.6	ND
Dibenzofuran	mg/kg	0.33	ND
2,4-Dinitrotoluene	mg/kg	0.33	ND
Diethylphthalate	mg/kg	0.33	ND
4-Chlorophenyl-phenylether	mg/kg	0.33	ND
Fluorene	mg/kg	0.33	ND
4-Nitroaniline	mg/kg	1.6	ND
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND
N-Nitrosodiphenylamine	mg/kg	0.33	ND
4-Bromophenyl-phenylether	mg/kg	0.33	ND
Hexachlorobenzene	mg/kg	0.33	ND
Pentachlorophenol	mg/kg	1.6	ND
Phenanthrene	mg/kg	0.33	1.8
Anthracene	mg/kg	0.33	0.42
Di-n-butylphthalate	mg/kg	0.33	1.0*
Fluoroanthene	mg/kg	0.33	1.7
Pyrene	mg/kg	0.33	2.3
Butylbenzylphthalate	mg/kg	0.33	ND
3,3-Dichlorobenzidine	mg/kg	0.66	ND
Benzo(a)anthracene	mg/kg	0.33	1.3
Chrysene	mg/kg	0.33	1.5
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND

*Laboratory Contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*March 26, 1993*	*PAGE:*	*71 Of 71*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample No.:	*9302007331*
		Sample ID.:	*MR-B1-0-5*
ANALYSIS	*UNITS*	*MDL*	
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*1.4*
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*0.83*
Benzo(a)pyrene	*mg/kg*	*0.33*	*1.1*
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*0.61*
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*0.94*

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

NOTE: All samples were prepared using Method 3050 for metals analysis.

This report has been reviewed by me for technical accuracy and completeness. The analyses were performed using EPA or other approved methodologies and the results were reported on an "as received" basis unless otherwise noted. Please contact me if you have any questions or comments regarding this report. Spectrum Labs, Inc. appreciates the opportunity to provide this analytical service for you.

Report Submitted By,

Thomas L. Halverson
Laboratory Manager

Wenck Associates
Project No. 021893-200127
Sample No. 9302006336 - 9302007331

Revised 3/26/93

Case Narrative

The quality control data associated with these samples are summarized in Tables 1 and 2.

Matrix Spike Recovery

Matrix spike and matrix spike duplicate recoveries are summarized in Table 1. Spectrum Labs sample number 9302007192 (MR-B2-0-5) and 9302007193 (MR-B2-0-5) were spiked with the appropriate analytes and carried through the entire analytical process. For the semivolatiles and metals all spike recoveries and relative percent differences were found to be within acceptable limits for soil samples.

Duplicate Analysis

Spectrum Labs sample number 9302006375 (MR-B4-0-3) and 9302006377 (MR-B4-0-3) were analyzed in duplicate. Duplicate analysis results for metals are presented in Table 2. Relative percent differences were not calculated for samples with results below the method detection limit. Samples were concentrated and reanalyzed to achieve lower detection limits for semi-volatiles Relative percent differences on the concentrated samples are presented in Table 2.

Table 1

Matrix Spike Recovery

Element	ID	Date of Analysis	% Recoveries	Relative % Difference
Arsenic	9302007192	03/02/93	92	30
	9302007193	03/01/93	68	30
Barium	9302007192	03/02/93	78	42
	9302007193	03/01/93	120	42
Boron	9302007192	03/02/93	87	23
	9302007193	03/01/93	69	23
Cadmium	9302007192	03/02/93	91	8.4
	9302007193	03/01/93	99	8.4
Chromium	9302007192	03/02/93	81	13
	9302007193	03/01/93	92	13
Lead	9302007192	03/02/93	110	11.5
	9302007193	03/01/93	98	11.5
Mercury	9302007192	02/27/93	90	4.6
	9302007193	02/27/93	86	4.6
Selenium	9302007192	03/02/93	86	24
	9302007193	03/02/93	110	24
Silver	9302007192	03/01/93	100	0.0
	9302007193	03/01/93	100	0.0
Phenol	9302007192	03/04/93	66	3.0
	9302007193	03/04/93	68	3.0
2-Chlorophenol	9302007192	03/04/93	70	1.4
	9302007193	03/04/93	69	1.4
1,4-Dichlorobenzene	9302007192	03/04/93	62	34
	9302007193	03/04/93	44	34
N-Nitroso-di-n-propylamine	9302007192	03/04/93	62	7.8
	9302007193	03/04/93	67	7.8
1,2,4-Trichlorobenzene	9302007192	03/04/93	72	4.3
	9302007193	03/04/93	69	4.3
4-Chloro-3-methylphenol	9302007192	03/04/93	72	8
	9302007193	03/04/93	78	8
Acenaphthene	9302007192	03/04/93	80	4
	9302007193	03/04/93	83	4
4-Nitrophenol	9302007192	03/04/93	42	15
	9302007193	03/04/93	49	15
2,4-Dinitrotoluene	9302007192	03/04/93	73	66
	9302007193	03/04/93	78	66
Pentachlorophenol	9302007192	03/04/93	25	18
	9302007193	03/04/93	30	18
Pyrene	9302007192	03/04/93	110	24
	9302007193	03/04/93	140	24

Table 2

Matrix Duplicate Analysis

Element	9302006375	9302006377	Relative % Difference
Arsenic	1.1	ND	-
Barium	42	44	4.6
Boron	2.7	2.6	3.8
Cadmium	ND	ND	-
Chromium	9.8	15	42
Lead	31	36	15
Mercury	0.15	0.15	0
Selenium	ND	ND	-
Silver	ND	ND	-
Phenanthrene	1.4	1.0	33
Anthracene	0.36	ND	-
Fluoranthene	2.4	1.6	40
Pyrene	4.4	2.6	51
Benzo(a)anthracene	1.7	1.4	19
Chrysene	2.2	1.8	20
Benzo(b)fluoranthene	1.9	1.7	11
Benzo(a)fluoranthene	1.8	1.4	25
Indeno(1,2,3-c,d)pyrene	1.3	1.1	17
Dibenz(a,h)anthracene	0.63	0.49	25
Benzo(g,h,i)perylene	1.6	1.3	21

Wenck Associates
Project No. 021893-200127

Sample No. 9302006336-9302007331
March 24, 1993

Addendum to Case Narrative
Method Blank Analysis for 8270

Method blanks were analyzed along with the samples. One method blank was analyzed per sample batch. The samples were batched in to four groups as follows:

Batch 93-0378	Batch 93-0389, 93-0369	Batch 93-0408	Batch 93-0419
9302006369	9302006336	9302007190	9302007326
9302006370	9302006337	9302007191	9302007327
9302006371	9302006338	9302007192	9302007328
9302006372	9302006339	9302007193	9302007329
9302006373	9302006340		9302007330
9302006374	9302006341		9302007331
9302006375	9302006616		
9302006376	9302006617		
9302006377			

The results of the method blank analysis are presented on the following pages

The compound Di-n-butylphthalate was observed in all method blanks. In the method blank associated with batch 93-0408 and 93-0419 bis(2-Ethylhexyl)phthalate was also observed Di-n-butylphthalate, a plasticizer, is a common laboratory contaminant and its presence in the samples is suspect.

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Addendum*

DATE: March 26, 1993 *PAGE:* 1 Of 8

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

		Sample ID.:	93-0378 MB	
ANALYSIS	UNITS	MDL		
Phenol	mg/kg	0.33	ND	Extracted 02/25/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 03/01/93
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	
Naphthalene	mg/kg	0.33	ND	
4-Chloroaniline	mg/kg	0.33	ND	
Hexachlorobutadiene	mg/kg	0.33	ND	
4-Chloro-3-methylphenol	mg/kg	0.33	ND	
2-Methylnaphthalene	mg/kg	0.33	ND	
Hexachlorocyclopentadiene	mg/kg	0.33	ND	
2,4,6-Trichlorophenol	mg/kg	0.33	ND	
2,4,5-Trichlorophenol	mg/kg	1.6	ND	
2-Chloronaphthalene	mg/kg	0.33	ND	
2-Nitroaniline	mg/kg	1.6	ND	
Dimethylphthalate	mg/kg	0.33	ND	
Acenaphthylene	mg/kg	0.33	ND	
2,6-Dinitrotoluene	mg/kg	0.33	ND	
3-Nitroaniline	mg/kg	1.6	ND	
Acenaphthene	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT **Addendum**

DATE:	*March 26, 1993*	*PAGE:*	*2 Of 8*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

ANALYSIS	UNITS	Sample ID.: MDL	93-0378 MB	
2,4-Dinitrophenol	mg/kg	1.6	ND	**Extracted 02/25/93**
4-Nitrophenol	mg/kg	1.6	ND	**Analyzed 03/01/93**
Dibenzofuran	mg/kg	0.33	ND	
2,4-Dinitrotoluene	mg/kg	0.33	ND	
Diethylphthalate	mg/kg	0.33	ND	
4-Chlorophenyl-phenylether	mg/kg	0.33	ND	
Fluorene	mg/kg	0.33	ND	
4-Nitroaniline	mg/kg	1.6	ND	
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND	
N-Nitrosodiphenylamine	mg/kg	0.33	ND	
4-Bromophenyl-phenylether	mg/kg	0.33	ND	
Hexachlorobenzene	mg/kg	0.33	ND	
Pentachlorophenol	mg/kg	1.6	ND	
Phenanthrene	mg/kg	0.33	ND	
Anthracene	mg/kg	0.33	ND	
Di-n-butylphthalate	mg/kg	0.33	9.0*	
Fluoroanthene	mg/kg	0.33	ND	
Pyrene	mg/kg	0.33	ND	
Butylbenzylphthalate	mg/kg	0.33	ND	
3,3-Dichlorobenzidine	mg/kg	0.66	ND	
Benzo(a)anthracene	mg/kg	0.33	ND	
Chrysene	mg/kg	0.33	ND	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND	
Di-n-octylphthalate	mg/kg	0.33	ND	
Benzo(b)fluoranthene	mg/kg	0.33	ND	
Benzo(k)fluoranthene	mg/kg	0.33	ND	
Benzo(a)pyrene	mg/kg	0.33	ND	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND	
Dibenz(a,h)anthracene	mg/kg	0.33	ND	
Benzo(g,h,i)perylene	mg/kg	0.33	ND	

*Means Laboratory Contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT **Addendum**

DATE: March 26, 1993 *PAGE:* 3 Of 8

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	MDL	Sample ID.: 93-0389, 0369 MB	
Phenol	mg/kg	0.33	ND	Extracted 02/24/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 02/28/93
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	
Naphthalene	mg/kg	0.33	ND	
4-Chloroaniline	mg/kg	0.33	ND	
Hexachlorobutadiene	mg/kg	0.33	ND	
4-Chloro-3-methylphenol	mg/kg	0.33	ND	
2-Methylnaphthalene	mg/kg	0.33	ND	
Hexachlorocyclopentadiene	mg/kg	0.33	ND	
2,4,6-Trichlorophenol	mg/kg	0.33	ND	
2,4,5-Trichlorophenol	mg/kg	1.6	ND	
2-Chloronaphthalene	mg/kg	0.33	ND	
2-Nitroaniline	mg/kg	1.6	ND	
Dimethylphthalate	mg/kg	0.33	ND	
Acenaphthylene	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Addendum*

DATE: March 26, 1993 *PAGE:* 4 Of 8

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	MDL	Sample ID.: 93-0389, 0369 MB	
2,6-Dinitrotoluene	mg/kg	0.33	ND	Extracted 02/24/93
3-Nitroaniline	mg/kg	1.6	ND	Analyzed 02/28/93
Acenaphthene	mg/kg	0.33	ND	
2,4-Dinitrophenol	mg/kg	1.6	ND	
4-Nitrophenol	mg/kg	1.6	ND	
Dibenzofuran	mg/kg	0.33	ND	
2,4-Dinitrotoluene	mg/kg	0.33	ND	
Diethylphthalate	mg/kg	0.33	ND	
4-Chlorophenyl-phenylether	mg/kg	0.33	ND	
Fluorene	mg/kg	0.33	ND	
4-Nitroaniline	mg/kg	1.6	ND	
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND	
N-Nitrosodiphenylamine	mg/kg	0.33	ND	
4-Bromophenyl-phenylether	mg/kg	0.33	ND	
Hexachlorobenzene	mg/kg	0.33	ND	
Pentachlorophenol	mg/kg	1.6	ND	
Phenanthrene	mg/kg	0.33	ND	
Anthracene	mg/kg	0.33	ND	
Di-n-butylphthalate	mg/kg	0.33	5.5*	
Fluoroanthene	mg/kg	0.33	ND	
Pyrene	mg/kg	0.33	ND	
Butylbenzylphthalate	mg/kg	0.33	ND	
3,3-Dichlorobenzidine	mg/kg	0.66	ND	
Benzo(a)anthracene	mg/kg	0.33	ND	
Chrysene	mg/kg	0.33	ND	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	ND	
Di-n-octylphthalate	mg/kg	0.33	ND	
Benzo(b)fluoranthene	mg/kg	0.33	ND	
Benzo(k)fluoranthene	mg/kg	0.33	ND	
Benzo(a)pyrene	mg/kg	0.33	ND	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND	
Dibenz(a,h)anthracene	mg/kg	0.33	ND	
Benzo(g,h,i)perylene	mg/kg	0.33	ND	

*Means Laboratory Contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Addendum*

DATE: March 26, 1993 *PAGE:* 5 Of 8

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	Sample ID.: MDL	93-0408 MB	
Phenol	mg/kg	0.33	ND	Extracted 03/01/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 03/04/93
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	
Naphthalene	mg/kg	0.33	ND	
4-Chloroaniline	mg/kg	0.33	ND	
Hexachlorobutadiene	mg/kg	0.33	ND	
4-Chloro-3-methylphenol	mg/kg	0.33	ND	
2-Methylnaphthalene	mg/kg	0.33	ND	
Hexachlorocyclopentadiene	mg/kg	0.33	ND	
2,4,6-Trichlorophenol	mg/kg	0.33	ND	
2,4,5-Trichlorophenol	mg/kg	1.6	ND	
2-Chloronaphthalene	mg/kg	0.33	ND	
2-Nitroaniline	mg/kg	1.6	ND	
Dimethylphthalate	mg/kg	0.33	ND	
Acenaphthylene	mg/kg	0.33	ND	
2,6-Dinitrotoluene	mg/kg	0.33	ND	
3-Nitroaniline	mg/kg	1.6	ND	
Acenaphthene	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT — *Addendum*

DATE:	*March 26, 1993*	*PAGE:*	*6 Of 8*
CLIENT:	*Wenck Associates, Inc.*	*PROJECT NO.:*	*021893-200127*
	1800 Pioneer Creek Drive	*COLLECTED BY:*	*Client*
	Maple Plain, MN 55359	*COLLECTION DATE:*	*2/18/93-2/25/93*
		RECEIVED DATE:	*2/18/93-2/25/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*Milwaukee Road*

		Sample ID.:	*93-0408 MB*	
ANALYSIS	*UNITS*	*MDL*		
2,4-Dinitrophenol	*mg/kg*	*1.6*	*ND*	***Extracted 03/01/93***
4-Nitrophenol	*mg/kg*	*1.6*	*ND*	***Analyzed 03/04/93***
Dibenzofuran	*mg/kg*	*0.33*	*ND*	
2,4-Dinitrotoluene	*mg/kg*	*0.33*	*ND*	
Diethylphthalate	*mg/kg*	*0.33*	*ND*	
4-Chlorophenyl-phenylether	*mg/kg*	*0.33*	*ND*	
Fluorene	*mg/kg*	*0.33*	*ND*	
4-Nitroaniline	*mg/kg*	*1.6*	*ND*	
4,6-Dinitro-2-methylphenol	*mg/kg*	*1.6*	*ND*	
N-Nitrosodiphenylamine	*mg/kg*	*0.33*	*ND*	
4-Bromophenyl-phenylether	*mg/kg*	*0.33*	*ND*	
Hexachlorobenzene	*mg/kg*	*0.33*	*ND*	
Pentachlorophenol	*mg/kg*	*1.6*	*ND*	
Phenanthrene	*mg/kg*	*0.33*	*ND*	
Anthracene	*mg/kg*	*0.33*	*ND*	
Di-n-butylphthalate	*mg/kg*	*0.33*	*4.6**	
Fluoroanthene	*mg/kg*	*0.33*	*ND*	
Pyrene	*mg/kg*	*0.33*	*ND*	
Butylbenzylphthalate	*mg/kg*	*0.33*	*ND*	
3,3-Dichlorobenzidine	*mg/kg*	*0.66*	*ND*	
Benzo(a)anthracene	*mg/kg*	*0.33*	*ND*	
Chrysene	*mg/kg*	*0.33*	*ND*	
bis(2-Ethylhexyl)phthalate	*mg/kg*	*0.33*	*7.1**	
Di-n-octylphthalate	*mg/kg*	*0.33*	*ND*	
Benzo(b)fluoranthene	*mg/kg*	*0.33*	*ND*	
Benzo(k)fluoranthene	*mg/kg*	*0.33*	*ND*	
Benzo(a)pyrene	*mg/kg*	*0.33*	*ND*	
Indeno(1,2,3-c,d)pyrene	*mg/kg*	*0.33*	*ND*	
Dibenz(a,h)anthracene	*mg/kg*	*0.33*	*ND*	
Benzo(g,h,i)perylene	*mg/kg*	*0.33*	*ND*	

*Means Laboratory Contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Addendum*

DATE: March 26, 1993 *PAGE:* 7 Of 8

CLIENT: Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: Kenton Torve

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18/93-2/25/93
RECEIVED DATE: 2/18/93-2/25/93
PROJECT DESCP: Milwaukee Road

ANALYSIS	UNITS	Sample ID.: MDL	93-0419 MB	
Phenol	mg/kg	0.33	ND	Extracted 03/01/93
bis(2-Chloroethyl)ether	mg/kg	0.33	ND	Analyzed 03/04/93
2-Chlorophenol	mg/kg	0.33	ND	
1,3-Dichlorobenzene	mg/kg	0.33	ND	
1,4-Dichlorobenzene	mg/kg	0.33	ND	
Benzyl alcohol	mg/kg	0.33	ND	
1,2-Dichlorobenzene	mg/kg	0.33	ND	
2-Methylphenol	mg/kg	0.33	ND	
bis(2-Chloroisopropyl)ether	mg/kg	0.33	ND	
4-Methylphenol	mg/kg	0.33	ND	
N-Nitroso-di-n-propylamine	mg/kg	0.33	ND	
Hexachloroethane	mg/kg	0.33	ND	
Nitrobenzene	mg/kg	0.33	ND	
Isophorone	mg/kg	0.33	ND	
2-Nitrophenol	mg/kg	0.33	ND	
2,4-Dimethylphenol	mg/kg	0.33	ND	
Benzoic acid	mg/kg	1.6	ND	
bis(2-Chloroethoxy)methane	mg/kg	0.33	ND	
2,4-Dichlorophenol	mg/kg	0.33	ND	
1,2,4-Trichlorobenzene	mg/kg	0.33	ND	
Naphthalene	mg/kg	0.33	ND	
4-Chloroaniline	mg/kg	0.33	ND	
Hexachlorobutadiene	mg/kg	0.33	ND	
4-Chloro-3-methylphenol	mg/kg	0.33	ND	
2-Methylnaphthalene	mg/kg	0.33	ND	
Hexachlorocyclopentadiene	mg/kg	0.33	ND	
2,4,6-Trichlorophenol	mg/kg	0.33	ND	
2,4,5-Trichlorophenol	mg/kg	1.6	ND	
2-Chloronaphthalene	mg/kg	0.33	ND	
2-Nitroaniline	mg/kg	1.6	ND	
Dimethylphthalate	mg/kg	0.33	ND	
Acenaphthylene	mg/kg	0.33	ND	
2,6-Dinitrotoluene	mg/kg	0.33	ND	
3-Nitroaniline	mg/kg	1.6	ND	
Acenaphthene	mg/kg	0.33	ND	

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT *Addendum*

DATE: *March 26, 1993* *PAGE:* *8 Of 8*

CLIENT: *Wenck Associates, Inc.*
1800 Pioneer Creek Drive
Maple Plain, MN 55359

CONTACT: *Kenton Torve*

PROJECT NO.: *021893-200127*
COLLECTED BY: *Client*
COLLECTION DATE: *2/18/93-2/25/93*
RECEIVED DATE: *2/18/93-2/25/93*
PROJECT DESCP: *Milwaukee Road*

ANALYSIS	UNITS	Sample ID.: MDL	93-0419 MB	
2,4-Dinitrophenol	mg/kg	1.6	ND	**Extracted 03/01/93**
4-Nitrophenol	mg/kg	1.6	ND	**Analyzed 03/04/93**
Dibenzofuran	mg/kg	0.33	ND	
2,4-Dinitrotoluene	mg/kg	0.33	ND	
Diethylphthalate	mg/kg	0.33	ND	
4-Chlorophenyl-phenylether	mg/kg	0.33	ND	
Fluorene	mg/kg	0.33	ND	
4-Nitroaniline	mg/kg	1.6	ND	
4,6-Dinitro-2-methylphenol	mg/kg	1.6	ND	
N-Nitrosodiphenylamine	mg/kg	0.33	ND	
4-Bromophenyl-phenylether	mg/kg	0.33	ND	
Hexachlorobenzene	mg/kg	0.33	ND	
Pentachlorophenol	mg/kg	1.6	ND	
Phenanthrene	mg/kg	0.33	ND	
Anthracene	mg/kg	0.33	ND	
Di-n-butylphthalate	mg/kg	0.33	4.6*	
Fluoroanthene	mg/kg	0.33	ND	
Pyrene	mg/kg	0.33	ND	
Butylbenzylphthalate	mg/kg	0.33	ND	
3,3-Dichlorobenzidine	mg/kg	0.66	ND	
Benzo(a)anthracene	mg/kg	0.33	ND	
Chrysene	mg/kg	0.33	ND	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	7.1*	
Di-n-octylphthalate	mg/kg	0.33	ND	
Benzo(b)fluoranthene	mg/kg	0.33	ND	
Benzo(k)fluoranthene	mg/kg	0.33	ND	
Benzo(a)pyrene	mg/kg	0.33	ND	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.33	ND	
Dibenz(a,h)anthracene	mg/kg	0.33	ND	
Benzo(g,h,i)perylene	mg/kg	0.33	ND	

Means Labortory Contaminant

ND means Not Detected
MDL means Method Detection Limit
mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359
(612) 479-4200

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR

PROJ. NO.: 0044-12

PROJECT NAME: Milwaukee Road

AIRBILL NO.

SAMPLERS (Signature): Kenton C. Torve

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	8 RCRA MHS + B	8270					REMARKS
B9	2/18	1215	X		MR-B9-0-8	3							Fill Composite
B9		1115		X	MR-B9-10	3							Native Soil
B10		1435	X		MR-B10-0-5	3							Fill Composite
B10		1430		X	MR-B10-[redacted]	3							Native Soil
B12		820	X		MR-B12-1-3	3							Fill Composite
B12		840		X	MR-B12-4	3							Native Soil

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by (Signature)
Kenton C. Torve	2/18/93	1600					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
			[illegible]	2/18/93	1600	

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

N°

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359
(612) 479-4200

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR

PROJ. NO.: 2044-12

PROJECT NAME: Milwaukee Road

SAMPLERS (Signature): Kenton R. Torne

AIRBILL NO.

STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	8260A + B	8270					REMARKS
B8	2/19	915	✓		MR-B8-0-4	3							Fill Comp
B8		910		✓	MR-B8-6	3							Native
B7		1045	✓		MR-B7-0-2.5	3							Fill Comp
B7		1030		✓	MR-B7-6	3							Native
B6		1310	✓		MR-B6-0-3	3							Fill Comp
B6		1300		✓	MR-B6-7	3							Native
B4		1440	✓		MR-B4-0-3	3							Fill Comp
B4		1430		✓	MR-B4-8	3							Native
AB1		1445	✓		MR-B4-0-3D	3							Fill Comp Duplicate

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Kenton R. Torne	21993	1630					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
			[illegible]	2/19	4:30	

WAI (612) 479-4200

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: K. Torve

AIRBILL NO.:

PROJ. NO.: [illegible]

PROJECT NAME: Milwaukee Road

SAMPLERS (Signature): [illegible]

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	[illegible]	[illegible]					REMARKS
[illegible]	[illegible]	[illegible]		X	MR-BH-11	3	X	X					[illegible]
[illegible]	↓	[illegible]	\		MR-BH-0-1	3	↓	↓					[illegible]
													Normal turnaround

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Kenten C. Torve	22293	1530	[signature]				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks	
			Brian W Pusch	2/22/93	3:45pm		

N:

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359
(612) 479-4200

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR

PROJ. NO.: 0044-12

PROJECT NAME: Milwaukee Road

AIRBILL NO.

SAMPLERS (Signature): Kenton C. Towe

STA NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	RCRA 8 + HB	8270					REMARKS
BZ	2/24	1320		X	MR-BZ-8	3	X	X					Native Discrete
↓	↓	1310	X		MR-BZ-0-5	3	X	X					Fill Composite
		1310	X		MR-MS-D BZ-0-5	3	X	X					Composite Matrix Spike Dup
		1310	X		MR-MS BZ-0-5 MLB 2/24	3	X	X					Composite Matrix Spike

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Kenton C. Towe	2/24	335	M Bicky				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
			Cindy M Hernan	2/24/93	330	

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359
(612) 479-4200

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR: KCT

PROJ. NO.: 0044-12

PROJECT NAME: Milwaukee Road

SAMPLERS (Signature): Kenton C. Tome

AIRBILL NO.:

STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	5260A+B	8270					REMARKS
B5	2/25	1050		X	MR-B5-6	3	X	X					Native Discrete
B5		1100	X		MR-B5-0-3	3							Fill Comp
B3		1000	X		MR-B3-0-3	3							Fill Comp
B3		950		X	MR-B3-8	3							Native Discrete
B1		910		X	MR-B1-8	3							Native Discrete
B1		900	X		MR-B1-0-5	3							Fill Comp

Normal turnaround

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Kenton C. Tome	2/25/93	1210					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
			Wendy M Henner	2/25/93		

Duplicate Soil Analysis

Aspen Research Corporation

Aspen Research Corporation

436 West County Rd. D. St. Paul, MN 55112-3522
Tel: 612/ 631-9234 Fax: 612/ 631-9270

March 15, 1993

MAR 1 1993

Mr. Brian Holst
Wenck Associates, Inc.
1800 Pioneer Creek Drive
Maple Plain, MN 55359

Reference: ARC Project #: 8920
Wenck Project Title: Milwaukee Road
Wenck Project #: 0044-12
Sample #: 34765-34766

Dear Mr. Holst:

We have completed the requested analysis on the above referenced project. Enclosed you will find a summary of the results obtained. The samples analyzed are identified on the following pages.

The samples were analyzed for the following parameters as described in Test Methods for Evaluating Solid Wastes, SW-846, 3rd Edition:

Parameter	Test Method
Arsenic	ICP (EPA Method 6010)
Barium	ICP (EPA Method 6010)
Cadmium	ICP (EPA Method 6010)
Chromium	ICP (EPA Method 6010)
Lead	ICP (EPA Method 6010)
Mercury	CVAA (EPA Method 7471)
Selenium	GFAA (EPA Method 7740)
Silver	FLAA (EPA Method 7760)
Boron	ICP (EPA Method 6010)
Semi-Volatiles	EPA Method 8270

Thank you for using Aspen Research Corporation. We look forward to providing you with continued analytical service and support. As always, we welcome your comments regarding the quality of service you have received. If you have any questions or comments, or, if we can be of further assistance, please do not hesitate to call.

Regards,

ASPEN RESEARCH CORPORATION

Jerry Berzins

Jerry Berzins

Results of Analysis for
Metals

Revision March 15, 1993

Project ID: Wenck Associates, Inc.
Project Title: Milwaukee Road
Wenck Project #: 0044-12
Sampling Date: February 25, 1993
Received Date: February 25, 1993
ARC Project #: 8920

Sample ID	MR-B1-0-5D	MR-B1-0-5D Duplicate	MR-B1-0-5D Spike Recovery	Blank	PQL
ARC Number	34766	34766	34766		
Analyte	mg/Kg	mg/Kg	%	mg/Kg	mg/Kg
Arsenic	2.6	3.2	96	BPQL	1.5
Barium	71	77	84	BPQL	0.23
Cadmium	1.4	1.5	87	BPQL	0.23
Chromium	8.6	8.9	95	BPQL	0.53
Lead	44	45	82	BPQL	3.2
Mercury	0.089	0.10	95	BPQL	0.035
Selenium	BPQL	BPQL	83	BPQL	0.26
Silver	BPQL	BPQL	19	BPQL	1.3
Boron	12	16	85	BPQL	0.86

Key:
PQL = Practical Quantitation Limit
BPQL = Below Practical Quantitation Limit
As, Ba, Cd, Cr, Pb, and B were determined by ICP (EPA Method 6010)
Hg was determined by CVAA (EPA Method 7470)
Ag was determined by FLAA (EPA Method 7760)
Se was determined by GFAA (EPA Method 7740)

The results are reported on an "As Received" basis.

The PQL for Se on the table dated March 11, 1993, was inadvertently not calculated for mg/Kg in the soil.

HRGC/MS Analysis for Semivolatile Compounds
by Modified Method 8270 SW-846 3rd Edition

Wenck Associates, Inc. Project ID: Milwaukee Road Pn# 0044-12
Sampling Date: February 25, 1993 Extraction Date: March 1, 1993
Report Date: March 5, 1993 ARC Project ID: 8920

Sample ID:	EQL	MR-81-0-SD	Duplicate MR-81-0-SD	Spiked MR-81-0-SD	Blank
ARC ID:	Soil	34765	34765	34765	00000
Analyte	ug/Kg	ug/Kg	ug/Kg	% Recovery	ug/Kg
Pyridine	330	ND	ND	NS	ND
N-Nitrosodimethylamine	330	ND	ND	NS	ND
2-Picoline	330	ND	ND	NS	ND
N-Nitrosomethylethylamine	330	ND	ND	NS	ND
Methyl methanesulfonate	330	ND	ND	NS	ND
N-Nitrosodiethylamine	660	ND	ND	NS	ND
Ethyl methanesulfonate	660	ND	ND	NS	ND
Aniline	330	ND	ND	NS	ND
Bis(2-chloroethyl)ether	330	ND	ND	NS	ND
2-Chlorophenol	330	ND	ND	44	ND
Phenol	330	ND	ND	45	ND
1,3-Dichlorobenzene	330	ND	ND	NS	ND
1,4-Dichlorobenzene	330	ND	ND	44	ND
1,2-Dichlorobenzene	330	ND	ND	NS	ND
Benzyl Alcohol	660	ND	ND	NS	ND
Bis(2-chloroisopropyl)ether	330	ND	ND	NS	ND
2-Methylphenol	330	ND	ND	NS	ND
Acetophenone	330	ND	ND	NS	ND
N-Nitrosopyrrolidine	1400	ND	ND	NS	ND
Hexachloroethane	330	ND	ND	NS	ND
o-Toluidine	330	ND	ND	NS	ND
N-Nitrosomorpholine	330	ND	ND	NS	ND
N-Nitrosodipropylamine	330	ND	ND	63	ND
4-Methylphenol	330	ND	ND	NS	ND
3-Methylphenol	330	ND	ND	NS	ND
Nitrobenzene	330	ND	ND	NS	ND
N-Nitrosopiperidine	660	ND	ND	NS	ND
Isophorone	330	ND	ND	NS	ND
2-Nitrophenol	330	ND	ND	NS	ND
2,4-Dimethylphenol	330	ND	ND	NS	ND
Bis(2-chloroethoxy)methane	330	ND	ND	NS	ND
a,a-Dimethylphenethylamine	660	ND	ND	NS	ND
2,4-Dichlorophenol	330	ND	ND	NS	ND
1,2,4-Trichlorobenzene	330	ND	ND	58	ND
Naphthalene	330	BEQL	BEQL	NS	ND
2,6-Dichlorophenol	330	ND	ND	NS	ND
Hexachloropropene	330	ND	ND	NS	ND
4-Chloroaniline	660	ND	ND	NS	ND
Hexachlorobutadiene	330	ND	ND	NS	ND
p-Phenylenediamine	1400	ND	ND	NS	ND
N-Nitroso-di-n-butylamine	330	ND	ND	NS	ND
Isosafrole	330	ND	ND	NS	ND
2-Methylnaphthalene	330	370	350	NS	ND
4-Chloro-3-methylphenol	660	ND	ND	72	ND
1,2,4,5-Tetrachlorobenzene	330	ND	ND	NS	ND
Hexachlorocyclopentadiene	330	ND	ND	NS	ND
2,4,6-Trichlorophenol	330	ND	ND	NS	ND

Wenck Associates, Inc. Project ID: Milwaukee Road Pn# 0044-12
Sampling Date: February 25, 1993 Extraction Date: March 1, 1993
Report Date: March 5, 1993 ARC Project ID: 8920

Sample ID:	EQL	MR-B1-0-5D	Duplicate MR-B1-0-5D	Spiked MR-B1-0-5D	Blank
ARC ID:	Soil	34765	34765	34765	00000
Analyte	ug/Kg	ug/Kg	ug/Kg	% Recovery	ug/Kg
2,4,5-Trichlorophenol	330	ND	ND	NS	ND
2-Chloronaphthalene	330	ND	ND	NS	ND
Safrole	330	ND	ND	NS	ND
2-Nitroaniline	1650	ND	ND	NS	ND
1,4-Naphthoquinone	330	ND	ND	NS	ND
Acenaphthylene	330	ND	BEQL	NS	ND
m-Dinitrobenzene	330	ND	ND	NS	ND
Dimethylphthalate	330	ND	ND	NS	ND
2,6-Dinitrotoluene	330	ND	ND	NS	ND
Acenaphthene	330	ND	BEQL	84	ND
3-Nitroaniline	1650	ND	ND	NS	ND
2,4-Dinitrophenol	1650	ND	ND	NS	ND
Dibenzofuran	330	BEQL	BEQL	NS	ND
Pentachlorobenzene	330	ND	ND	NS	ND
2,4-Dinitrotoluene	330	ND	ND	89	ND
1-Naphthylamine	330	ND	ND	NS	ND
4-Nitroquinoline-1-oxide	1320	ND	ND	NS	ND
4-Nitrophenol	660	ND	ND	65	ND
2-Naphthylamine	330	ND	ND	NS	ND
2,3,4,6-Tetrachlorophenol	330	ND	ND	NS	ND
Fluorene	330	ND	BEQL	NS	ND
4-Chlorophenyl phenyl ether	330	ND	ND	NS	ND
Diethylphthalate	330	ND	ND	NS	ND
5-Nitro-o-toluidine	330	ND	ND	NS	ND
4-Nitroaniline	660	ND	ND	NS	ND
4,6-Dinitro-2-methylphenol	3300	ND	ND	NS	ND
4-Aminobiphenyl	660	ND	ND	NS	ND
N-Nitrosodiphenylamine	330	ND	ND	NS	ND
4-Bromophenyl phenyl ether	330	ND	ND	NS	ND
1,3,5-Trinitrobenzene	330	ND	ND	NS	ND
Hexachlorobenzene	330	ND	ND	NS	ND
Phenacetin	660	ND	ND	NS	ND
Diphenylamine	330	ND	ND	NS	ND
Pentachlorophenol	1650	ND	ND	65	ND
Pentachloronitrobenzene	660	ND	ND	NS	ND
Phenanthrene	330	950	1340	NS	ND
Anthracene	330	BEQL	BEQL	NS	ND
Dinoseb (DNBP)	660	ND	ND	NS	ND
Di-n-butylphthalate	500	ND	ND	NS	ND
Methapyrilene	3300	ND	ND	NS	ND
Fluoranthene	330	2000	2700	NS	ND
Pyrene	330	1520	1940	101	ND
p-Dimethylaminoazobenzene	330	ND	ND	NS	ND
3,3'-Dimethylbenzidine	1000	ND	ND	NS	ND
Butyl Benzyl phthalate	660	ND	ND	NS	ND
2-Acetylaminofluorene	660	ND	ND	NS	ND
Benzo(a)anthracene	330	BEQL	1580	NS	ND
Chrysene	330	620	850	NS	ND
3,3'-Dichlorobenzidine	660	ND	ND	NS	ND
Bis(2-ethylhexyl)phthalate	700	BEQL	BEQL	NS	ND
Di-n-octylphthalate	330	ND	ND	NS	ND

Wenck Associates, Inc. Project ID: Milwaukee Road Pn# 0044-12
Sampling Date: February 25, 1993 Extraction Date: March 1, 1993
Report Date: March 5, 1993 ARC Project ID: 8920

Sample ID:	EQL	MR-B1-0-SD	Duplicate MR-B1-0-SD	Spiked MR-B1-0-SD	Blank
ARC ID:	Soil	34765	34765	34765	00000
Analyte	ug/Kg	ug/Kg	ug/Kg	% Recovery	ug/Kg
Benzo(b)fluoranthene	330	480	610	NS	ND
Benzo(k)fluoranthene	330	470	590	NS	ND
7,12-Dimethylbenz(a)anthracene	330	ND	ND	NS	ND
Hexachlorophene	16500	ND	ND	NS	ND
Benzo(a)pyrene	330	550	780	NS	ND
3-Methylcholanthrene	330	ND	ND	NS	ND
Indeno(1,2,3-cd)pyrene	330	390	530	NS	ND
Dibenz(a,h)anthracene	330	BEQL	BEQL	NS	ND
Benzo(ghi)Perylene	330	BEQL	390	NS	ND
File Name:		>02961	>02962	>02963	>02958
Analysis Date:		930302	930302	930302	930302

Key:
ND = Not Detected
NS = Not Spiked
EQL = Estimated Quantitation Limit
DNM = Determination Not Made by the EPA
BEQL = Detected but at a concentration Below the Estimated Quantitation Limit

PN# 0960

Wenck Associates, Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359
(612) 479-4200

CHAIN OF CUSTODY RECORD

FIELD COORDINATOR

PROJ. NO.: 0044-12

PROJECT NAME: Milwaukee Road

SAMPLERS (Signature):

AIRBILL NO.:

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	567 930 BRCRA + Boron	460 8270					REMARKS
B1	2/25	900	X		MR-B1-0-5D	3	X	X					Fill Composite

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Kenton C. Torre	2/25	1209					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks
			Beth Braunschweig	2/25/95	12:00	

TCLP and Cation Exchange Capacity Results

Spectrum Labs, Inc.

APR 1 5 1993

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: April 14, 1993

CLIENT: Wenck Associates Inc.
1800 Pioneer Creek Dr.
Maple Plain, MN 55359

CONTACT: Kenton Torve

PAGE: 1 of 1

PROJECT NO.: 021893-200127
COLLECTED BY: Client
COLLECTION DATE: 2/18-2/24/93
RECEIVED DATE: 2/18-2/24/93
PROJECT DESCP: 0044-12
Milwaukee Road

SAMPLE NO., ID	LEAD EPA 7420 MDL = 0.2 ANALYZED 4/13/93 UNITS = mgL	CATION EXCHANGE CAPACITY EPA 9081 MDL = 0.1 ANALYZED 3/31/93 UNITS = MEQ/100 gms
9302006336, MB B9 0-8	ND	16
9302006340, MR B12 1-3	ND	---
9302007191, MR B2 0-5	0.2	---

Note: The analysis for lead was performed on the extract from the toxicity characteristic leach procedure (TCLP) method 1311.
Date Extracted: 04/08/93

ND means Not Detected
MEQ/100gms is eqivalent to milliequivalents per 100 grams of soil
mg/L means Milligrams Per Liter which is equivalent to Parts Per Billion (ppb)

This report has been reviewed by me for technical accuracy and completeness. Theanalyses were performed using EPA or other approved methodologies and the resultswere reported on an "as received" basis unless otherwise noted. Please contact meif you have any questions or comments regarding this report. Spectrum Labs,Inc. appreciates the opportunity to provide this analytical service for you.

Report Submitted By,

Thomas L. Halverson
Laboratory Manager

TLH:lje

Appendix C

Analytical Report for Groundwater Sample

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

APR 5 1993

LABORATORY ANALYSIS REPORT

DATE:	*April 2, 1993*	*PAGE:*	*1 of 5*
CLIENT:	*Wenck Associates Inc.* *1800 Pioneer Creek Dr.* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*030893-200127* *Client* *3/08/93* *3/08/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*0044-12*

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*POL*	*9303008875* *Mil. Rd - MW*
(EPA 601/602)				
Date Analyzed: 3/12/93				
Benzene	*ug/L*	*0.09*	*1*	*ND*
Bromodichloromethane	*ug/L*	*0.2*	*1*	*ND*
Bromoform	*ug/L*	*2*	*2*	*ND*
Bromomethane	*ug/L*	*2*	*2*	*ND*
Carbon Tetrachloride	*ug/L*	*0.1*	*1*	*ND*
Chlorobenzene	*ug/L*	*0.1*	*1*	*ND*
Chloroethane	*ug/L*	*2*	*2*	*ND*
2-Chloroethylvinyl ether	*ug/L*	*5*	*5*	*ND*
Chloroform	*ug/L*	*0.1*	*1*	*ND*
Chloromethane	*ug/L*	*3*	*3*	*ND*
Dibromochloromethane	*ug/L*	*0.1*	*1*	*ND*
1,2-Dichlorobenzene	*ug/L*	*0.1*	*1*	*ND*
1,3-Dichlorobenzene	*ug/L*	*0.1*	*1*	*ND*
1,4-Dichlorobenzene	*ug/L*	*0.1*	*1*	*ND*
Dichlorodifluoromethane	*ug/L*	*0.7*	*2*	*ND*
1,2-Dichloroethane	*ug/L*	*0.5*	*1*	*ND*
1,1-Dichloroethene	*ug/L*	*0.2*	*1*	*ND*
trans-1,2-Dichloroethene	*ug/L*	*0.2*	*1*	*ND*
1,2-Dichloropropane	*ug/L*	*0.2*	*1*	*ND*
Ethylbenzene	*ug/L*	*0.2*	*1*	*ND*
Methylene Chloride	*ug/L*	*0.2*	*2*	*ND*
1,1,2,2-Tetrachlorethane	*ug/L*	*0.1*	*1*	*ND*
Tetrachloroethene	*ug/L*	*0.1*	*1*	*ND*
Toluene	*ug/L*	*0.2*	*1*	*ND*
1,1,1-Trichloroethane	*ug/L*	*0.1*	*2*	*ND*
1,1,2-Trichloroethane	*ug/L*	*0.4*	*1*	*ND*
Trichloroethene	*ug/L*	*0.06*	*1*	*ND*
Trichlorofluoromethane	*ug/L*	*0.5*	*2*	*ND*
Vinyl Chloride	*ug/L*	*1*	*2*	*ND*
EPA 603				
Date Analyzed: 3/09/93				
Acrolein	*ug/L*	*6*	*6*	*ND*
Acrylonitrile	*ug/L*	*7*	*7*	*ND*
WIS GRO				
Date Analyzed: 3/17/93				
Petroleum Hydrocarbons as Gasoline	*ug/L*	*50*	*50*	*ND*

ND means Not Detected
MDL means Method Detection Limit
ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)
PQL means Practical Quantification Limit

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*April 2, 1993*	*PAGE:*	*2 of 5*
CLIENT:	*Wenck Associates Inc.* *1800 Pioneer Creek Dr.* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*030893-200127* *Client* *3/08/93* *3/08/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*0044-12*

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*9303008875* *Mil. Rd.- MW*	*DATE ANALYZED*
Antimony (EPA 204.2)	mg/L	0.030	ND	3/12/93
Arsenic (EPA 206.2)	mg/L	0.010	ND	3/12/93
Beryllium (EPA 6010)	mg/L	0.002	ND	3/18/93
Cadmium (EPA 213.2)	mg/L	0.0020	ND	3/22/93
Chromium (EPA 6010)	mg/L	0.04	ND	3/15/93
Copper (EPA 220.2)	mg/L	0.010	ND	3/14/93
Cyanide, Total (EPA 335.2)	mg/L	0.01	ND	3/17/93
Lead (EPA 239.2)	mg/L	0.010	ND	3/10/93
Mercury (EPA 245.2)	mg/L	0.001	ND	3/18/93
Nickel (EPA 6010)	mg/L	0.005	ND	3/18/93
Selenium (EPA 270.2)	mg/L	0.040	ND	3/18/93
Silver (EPA 272.2)	mg/L	0.0020	ND	3/15/93
Thallium (EPA 279.2)	mg/L	0.030	ND	3/23/93
Zinc (EPA 289.2)	mg/L	0.01	0.20	3/14/93

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*9303008875* *Mil. Rd - MW*
SW846-8270			
Date Extracted: 3/10/93			
Date Analyzed: 3/17/93			
Phenol	ug/L	10	ND
bis(2-Chloroethyl)ether	ug/L	10	ND
2-Chlorophenol	ug/L	10	ND
1,3-Dichlorobenzene	ug/L	10	ND
1,4-Dichlorobenzene	ug/L	10	ND
bis(2-Chloroisopropyl)ether	ug/L	10	ND
4-Methylphenol	ug/L	10	ND
N-Nitroso-di-n-propylamine	ug/L	10	ND
Hexachloroethane	ug/L	10	ND
Nitrobenzene	ug/L	10	ND
Isophorone	ug/L	10	ND
2-Nitrophenol	ug/L	10	ND

ND means Not Detected
MDL means Method Detection Limit
ug/L means Micrograms Per Liter which is equivalent to Parts Per Billion (ppb)
PQL means Practical Quantification Limit

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*April 2, 1993*	*PAGE:*	*3 of 5*
CLIENT:	*Wenck Associates Inc.* *1800 Pioneer Creek Dr.* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*030893-200127* *Client* *3/08/93* *3/08/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*0044-12*

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*9303008875* *Mil. Rd - MW*
SW846-8270			
Date Extracted: 3/10/93			
Date Analyzed: 3/17/93			
2,4-Dimethylphenol	ug/L	10	ND
bis(2-Chloroethoxy)methane	ug/L	10	ND
2,4-Dichlorophenol	ug/L	10	ND
1,2,4-Trichlorobenzene	ug/L	10	ND
Naphthalene	ug/L	10	ND
Hexachlorobutadiene	ug/L	10	ND
4-Chloro-3-methylphenol	ug/L	10	ND
Hexachlorocyclopentadiene	ug/L	10	ND
2,4,6-Trichlorophenol	ug/L	10	ND
2-Chloronaphthalene	ug/L	10	ND
Dimethylphthalate	ug/L	10	ND
Acenaphthylene	ug/L	10	ND
2,6-Dinitrotoluene	ug/L	10	ND
Acenaphthene	ug/L	10	ND
2,4-Dinitrophenol	ug/L	50	ND
4-Nitrophenol	ug/L	50	ND
2,4-Dinitrotoluene	ug/L	10	ND
Diethylphthalate	ug/L	10	ND
4-Chlorophenyl-phenylether	ug/L	10	ND
Fluorene	ug/L	10	ND
4,6-Dinitro-2-methylphenol	ug/L	50	ND
N-Nitrosodiphenylamine	ug/L	10	ND
4-Bromophenyl-phenylether	ug/L	10	ND
Hexachlorobenzene	ug/L	10	ND
Pentachlorophenol	ug/L	50	ND
Phenanthrene	ug/L	10	ND
Anthracene	ug/L	10	ND
Di-n-butylphthalate	ug/L	10	ND

ND means Not Detected
MDL means Method Detection Limit
mg/L means Milligrams Per Liter which is equivalent to Parts Per Billion (ppb)
PQL means Practical Quantification Limit

SPECTRUM LABS INC
301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*April 2, 1993*	*PAGE:*	*4 of 5*
CLIENT:	*Wenck Associates Inc.* *1800 Pioneer Creek Dr.* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*030893-200127* *Client* *3/08/93* *3/08/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*0044-12*

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*9303008875* *Mil. Rd - MW*
SW846-8270			
Date Extracted: 3/10/93			
Date Analyzed: 3/17/93			
1,2,4-Trichlorobenzene	*ug/L*	*10*	*ND*
Fluoroanthene	*ug/L*	*10*	*ND*
Pyrene	*ug/L*	*10*	*ND*
Butylbenzylphthalate	*ug/L*	*10*	*ND*
3,3-Dichlorobenzidine	*ug/L*	*20*	*ND*
Benzo(a)anthracene	*ug/L*	*10*	*ND*
Chrysene	*ug/L*	*10*	*ND*
bis(2-Ethylhexyl)phthalate	*ug/L*	*10*	*36**
Di-n-octylphthalate	*ug/L*	*10*	*ND*
Benzo(b)Fluoranthene	*ug/L*	*10*	*ND*
Benzo(k)fluoranthene	*ug/L*	*10*	*ND*
Benzo(a)pyrene	*ug/L*	*10*	*ND*
Indeno(1,2,3-c,d)pyrene	*ug/L*	*10*	*ND*
Dibenz(a,h)anthracene	*ug/L*	*10*	*ND*
Benzo(g,h,i)perylene	*ug/L*	*10*	*ND*
Benzidene	*ug/L*	*50*	*ND*
N-Nitrosodimethyamine	*ug/L*	*10*	*ND*

**Laboratory Contaminant*

EPA 625			
Date Extracted: 3/10/93			
Date Analyzed: 3/29/93			
Alpha BHC	*ug/L*	*10*	*ND*
Beta BHC	*ug/L*	*10*	*ND*
Gamma BHC	*ug/L*	*10*	*ND*
Delta BHC	*ug/L*	*10*	*ND*
Heptachlor	*ug/L*	*10*	*ND*
Aldrin	*ug/L*	*10*	*ND*
Heptachlor Epoxide	*ug/L*	*10*	*ND*
Endosulfan I	*ug/L*	*10*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/L means Milligrams Per Liter which is equivalent to Parts Per Billion (ppb)
PQL means Practical Quantification Limit

SPECTRUM LABS INC
301 West County Road E2 • St Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE:	*April 2, 1993*	*PAGE:*	*5 of 5*
CLIENT:	*Wenck Associates Inc.* *1800 Pioneer Creek Dr.* *Maple Plain, MN 55359*	*PROJECT NO.:* *COLLECTED BY:* *COLLECTION DATE:* *RECEIVED DATE:*	*030893-200127* *Client* *3/08/93* *3/08/93*
CONTACT:	*Kenton Torve*	*PROJECT DESCP:*	*0044-12*

ANALYSIS	*Sample No.:* *Sample ID.:* *UNITS*	*MDL*	*9303008875* *Mil. Rd - MW*
4,4-DDE	*ug/L*	*10*	*ND*
Dieldrin	*ug/L*	*10*	*ND*
Endrin	*ug/L*	*10*	*ND*
Endosulfan II	*ug/L*	*10*	*ND*
4,4-DDD	*ug/L*	*10*	*ND*
Endrin Aldehyde	*ug/L*	*10*	*ND*
Endosulfan Sulfate	*ug/L*	*10*	*ND*
4,4-DDT	*ug/L*	*10*	*ND*
Chlordane	*ug/L*	*10*	*ND*
Toxaphene	*ug/L*	*100*	*ND*
PCB 1016	*ug/L*	*10*	*ND*
PCB 1221	*ug/L*	*10*	*ND*
PCB 1232	*ug/L*	*10*	*ND*
PCB 1242	*ug/L*	*10*	*ND*
PCB 1248	*ug/L*	*10*	*ND*
PCB 1254	*ug/L*	*10*	*ND*
PCB 1260	*ug/L*	*10*	*ND*

ND means Not Detected
MDL means Method Detection Limit
mg/L means Milligrams Per Liter which is equivalent to Parts Per Billion (ppb)
PQL means Practical Quantification Limit

This report has been reviewed by me for technical accuracy and completeness. The analyses were performed using EPA or other approved methodologies and the results were reported on an "as received" basis unless otherwise noted. Please contact me if you have any questions or comments regarding this report. Spectrum Labs Inc. appreciates the opportunity to provide this analytical service for you.

Report Submitted By,

Thomas L. Halverson
Laboratory Manager

TLH:lje

(612) 479-4200
(Ass... , Inc
1800 Pioneer Creek Dr.
Maple Plain, MN 55359

CHAIN OF CUSTODY RECORD

FIELD ORDER: Brian Holst / [illegible]

AIRBILL NO.

PROJ. NO.: [illegible]-12

PROJECT NAME: MCDA - Mill Road

SAMPLERS (Signature): [signature]

STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NUMBER OF CONTAINERS	40ml Vials	500ml plastic	1 Liter Amber Glass				REMARKS
	[illegible]	[illegible]		✓	[illegible] Monitoring Well	10	3	3	4				Analyze for [illegible]
	↓	[illegible]		[illegible]	[illegible] Field Blank	2	2						List ([illegible]
	↓				Trip Blank		1						PCB/Pesticides, [illegible])
													and TPH [illegible])
													Hold [illegible]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
[signature]	[illegible]	6pm	Brian W Proach				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks	

DISTRIBUTION: Original Accompanies Shipment; Copy to Coordinator Field Files

Appendix D

Soil Action Level Calculations

Soil Action Level Calculations

Milwaukee Road Depot
Lots 17 and 18

Developed here are proposed action levels for soil cleanup at Lots 17 and 18 of the Milwaukee Road Depot property in the event the asphalt cap is removed. The action levels are based on soil ingestion, considered the critical exposure pathway. The levels are calculated according to the Soil Exposure Guidelines (SEGs) procedures in the MPCA Office Memorandum: Site Response Soil Cleanup Procedures (J.L. Warner, May 1992). The following assumptions are made.

- Relative Source Contribution (RSC) is 20%
- Soil ingestion rate (SIR) is $2x10^{-4}$ kg/day (200 mg/day) (child)
- Body weight is 15 kg (child)

The relevant toxicological data (oral reference dose) are as listed in the Integrated Risk Information Systems (IRIS).

<u>Metals</u>

Excluding lead (Pb), for which the MDH has developed a guideline, the detected metals listed in Table D-1 have oral reference doses available, which lead to the indicated SEGs calculated by the following equation.

$$SEG = \frac{RFD \ x \ BW}{SIR} \ x \ RSC$$

SEG = *soil exposure guidelines* (*mg/kg*)
RFD = *oral reference dose* (*mg/kg/day*)
BW = *body weight*
SIR = *soil ingestion rate* = (*intake assumption*) *x* (*bioavailability*) (*kg/day*)
RSC = *relative source contribution* (0.2)

TABLE D-1

Calculated Soil Exposure Guidelines (SEG)

Milwaukee Road Depot
Lots 17 and 18

	Oral Reference Dose (mg/kg/day)	SEG (mg/kg)
Arsenic	.001	15
Barium	.07	1050
Boron	.09	1350
Cadmium	.0005	7.5
Chromium	.005	75
Selenium	.005	75
Silver	.005	75

Appendix E

Disposal Cost Estimate

and

Fill Volume Calculations

Disposal Cost Estimate

Excavating:

Excluding asphalt = $1.20/cubic yard
18,000 cubic yards ($1.20) = $21,600

Trucking:

Approximately 30 miles from downtown Minneapolis - $6.50/cubic yard

18,000 cubic yards ($6.50) = $117,000

Excavating and Trucking Subtotal: $138,600

Disposal:

@ Pine Bend Landfill - $42/ton

@ Elk River Landfill - $58/ton

Assume 3,000 lb/cubic yard (1.5 tons/CY)

18,000 CY (1.5 tons/CY) = 27,000 tons

Disposal Subtotal:

@ Pine Bend Landfill - 27,000 ($42) = $1,134,000

@ Elk River Landfill - 27,000 ($58) = $1,566,000

Total Cost:

@ Pine Bend Landfill - $1,272,600

@ Elk River Landfill - $1,704,600

Total Volume of Fill on Lots 17 and 18

Theissen and Contours = 21,150 CY (includes RR-Row)

Volume in ROW

Polygon	B-9	3292(8)/27	=	975
	B-8	2881(4)/27	=	427
	B-7	4945(3.5)/27	=	641
	B-6	3905(4.5)/27	=	651
	B-5	2570(3)/27	=	286
	B-3	292(3)/27	=	32
				3,012 CY

Estimated Volume of Fill on Lots 17 and 18

21,150 - 3,000 = 18,150 = >18,000 CY