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LLI Sample No SW 3202276
Collected 07/27/99 at 16 20 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		78
1191	Acenaphthene	N D		33	ug/kg	N D		38
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		270
1192	4 Nitrophenol	N D		170	ug/kg	N D		200
4698	Dibenzofuran	N D		33	ug/kg	N D		38
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		78
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		38
3770	Diethylphthalate	N D		67	ug/kg	N D		78
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		38
3768	Fluorene	N D		33	ug/kg	N D		38
4700	4 Nitroaniline	N D		67	ug/kg	N D		78
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		38
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		78
3774	Hexachlorobenzene	N D		33	ug/kg	N D		38
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	180	J	33	ug/kg	210	J	38
3776	Anthracene	46	J	33	ug/kg	54	J	38
4702	Carbazole	N D		33	ug/kg	N D		38
3777	Di n butylphthalate	N D		67	ug/kg	N D		78
3778	Fluoranthene	340		33	ug/kg	390		38
1195	Pyrene	320	J	33	ug/kg	380	J	38
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		78
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		78
3781	Benzo(a)anthracene	210	J	33	ug/kg	250	J	38
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		78
3782	Chrysene	210	J	33	ug/kg	240	J	38
3785	Di n octylphthalate	N D		67	ug/kg	N D		78
3786	Benzo(b)fluoranthene	210	J	33	ug/kg	250	J	38
3787	Benzo(k)fluoranthene	86	J	33	ug/kg	100	J	38
3788	Benzo(a)pyrene	160	J	33	ug/kg	180	J	38
3789	Indeno(1 2 3 cd)pyrene	110	J	33	ug/kg	130	J	38
3790	Dibenz(a h)anthracene	35	J	33	ug/kg	41	J	38
3791	Benzo(g h i)perylene	100	J	33	ug/kg	120	J	38

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

&&&

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
1TP05 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 1727	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 0615	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 1644	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 1644	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2201	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992121AD									
5444 Chloromethane											
2	ug/kg	N D		105	108	2	104			48	130
5446 Bromomethane											
3	ug/kg	N D		99	108	9	99			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		108	113	5	100			60	127
5447 Chloroethane											
3	ug/kg	N D		99	104	5	96			30	142
5450 Methylene Chloride											
2	ug/kg	N D		9	1	6	104			69	126
6293 Acetone											
7	ug/kg	N D		104	99	6	78			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		96	97	1	88			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		112	112	0	103			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		113	117	3	114			81	130
5455 Chloroform											
1	ug/kg	N D		107	114	7	113			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		103	109	6	115			81	123
6296 2 Butanone											
7	ug/kg	N D		114	117	2	110			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		110	115	4	120			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		109	116	6	121			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		106	112	6	114			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		108	108	0	101			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		113	117	4	114			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		103	108	4	105			69	131
5462 Trichloroethene											
1	ug/kg	N D		111	116	5	112			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		106	109	3	112			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		111	110	1	108			81	124
5460 Benzene											
1	ug/kg	N D		116	119	2	113			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		110	115	4	112			79	126

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		102	101	1	107			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		102	108	6	110			63	123
6300 2 Hexanone	3	ug/kg	N D		105	107	1	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		115	120	4	114			83	150
5466 Toluene	1	ug/kg	N D		114	113	1	105			74	128
5472 Chlorobenzene	1	ug/kg	N D		114	112	2	108			81	121
5474 Ethylbenzene	1	ug/kg	N D		117	116	0	112			86	129
5477 Styrene	1	ug/kg	N D		116	114	2	108			84	127
6301 Xylene (Total)	1	ug/kg	N D		117	116	1	111			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		115	119	4	111			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		113	117	3	112			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	108	30	163
	DCB	122	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	88	47	127
	2 Fiphenol	85	47	126
	2 4 6 TBP	84	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	83	45	128
	2 Fbiphnyl	82	49	123
	Tphenyld14	97	40	146
6292 TCL by 8260 (soil)	DBFM	105	80	120
	d4 1 2 DCA	102	80	120
	d8 toluene	101	81	117
	4 BFB	100	74	121

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AUG 2 2 1999

LLI Sample No TL 3202277
Collected 07/27/99 at 16 20 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP01TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

ENTERED + ArcView
BY/DATE MCP 8/26/99
CHECKED BY nlh
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 47	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	N D	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0072 J	0 0059	mg/l
7049	Cadmium TR	0 0017	0 00063	mg/l
7072	Zinc TR	0 054	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 28 28 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
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Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc a Thermo Electron Company
See reverse side for explanation of symbols and abbreviations

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Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
Where quality is a science

LLI Sample No TL 3202277
Collected 07/27/99 at 16 20 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP01TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0508	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2320	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1700	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

Lancaster Laboratories
Where quality is a science

LLI Sample No 3202277
SP01TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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AUG 2 ? 1999

LLI Sample No SW 3202278
Collected 07/28/99 at 08 30 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A + ArcView
Rel YGQP9900241
MCP 8/16/99
nch
DATE 8-27-99

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	13 6	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	7 61	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below		See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 7 61 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 28 50 D 0001 25 138873 676387
885 0 00 00072200 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202278
Collected 07/28/99 at 08 30 by MP

Submitted 07/29/99 Reported 08/16/99
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SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	27		2	ug/kg	31		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	1	J	1	ug/kg	1	J	1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	2	J	1	ug/kg	2	J	1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	75		1	ug/kg	87		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	N D		1	ug/kg	N D		1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

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Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	0 93	J	0 67	ug/kg	1 08	J	0 78
1982	Beta BHC	N D		0 67	ug/kg	N D		0 78
1983	Delta BHC	N D		0 67	ug/kg	N D		0 78
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 78
1219	Heptachlor	N D		0 67	ug/kg	N D		0 78
1220	Aldrin	N D		0 67	ug/kg	N D		0 78
1984	Heptachlor Epoxide	1 85	J	0 67	ug/kg	2 14	J	0 78
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 78
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	N D		1 3	ug/kg	N D		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	2 3	J	1 3	ug/kg	2 6	J	1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	96		6 7	ug/kg	112		7 8
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 78
3026	Gamma Chlordane	11 6		0 67	ug/kg	13 4		0 78
1988	Toxaphene	N D		67	ug/kg	N D		78
1992	Endrin Aldehyde	2 3	J	1 3	ug/kg	2 7	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		38
1994	PCB 1221	N D		33	ug/kg	N D		38
1995	PCB 1232	N D		33	ug/kg	N D		38
1996	PCB 1242	N D		33	ug/kg	N D		38
1997	PCB 1248	N D		33	ug/kg	N D		38
1998	PCB 1254	N D		33	ug/kg	N D		38
1999	PCB 1260	N D		33	ug/kg	N D		38

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202278
Collected 07/28/99 at 08 30 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

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PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	N D		67	ug/kg	N D		78
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		38
1186	2 Chlorophenol	N D		33	ug/kg	N D		38
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		38
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		38
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		38
4690	2 Methylphenol	N D		33	ug/kg	N D		38
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		38
4692	4 Methylphenol	N D		67	ug/kg	N D		78
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		38
3757	Hexachloroethane	N D		33	ug/kg	N D		38
3758	Nitrobenzene	N D		33	ug/kg	N D		38
3759	Isophorone	N D		33	ug/kg	N D		38
3746	2 Nitrophenol	N D		67	ug/kg	N D		78
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		78
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		78
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		78
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		38
3761	Naphthalene	60	J	33	ug/kg	70	J	38
4693	4 Chloroaniline	N D		33	ug/kg	N D		38
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		78
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		78
4694	2 Methylnaphthalene	54	J	33	ug/kg	63	J	38
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		200
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		78
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		78
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		38
4696	2 Nitroaniline	N D		33	ug/kg	N D		38
3766	Dimethylphthalate	N D		67	ug/kg	N D		78
3765	Acenaphthylene	N D		33	ug/kg	N D		38

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

MEMBER ACIL
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P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846	Semivolatiles/Soil							
4697	3 Nitroaniline	N D		67	ug/kg	N D		78
1191	Acenaphthene	130	J	33	ug/kg	150	J	38
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		270
1192	4 Nitrophenol	N D		170	ug/kg	N D		200
4698	Dibenzofuran	110	J	33	ug/kg	130	J	38
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		78
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		38
3770	Diethylphthalate	N D		67	ug/kg	N D		78
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		38
3768	Fluorene	160	J	33	ug/kg	190	J	38
4700	4 Nitroaniline	N D		67	ug/kg	N D		78
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		38
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		78
3774	Hexachlorobenzene	N D		33	ug/kg	N D		38
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	2 100		33	ug/kg	2 400		38
3776	Anthracene	500		33	ug/kg	580		38
4702	Carbazole	260	J	33	ug/kg	310	J	38
3777	Di n butylphthalate	N D		67	ug/kg	N D		78
3778	Fluoranthene	2 900		33	ug/kg	3 400		38
1195	Pyrene	2 700		33	ug/kg	3 200		38
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		78
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		78
3781	Benzo(a)anthracene	1 300		33	ug/kg	1 600		38
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		78
3782	Chrysene	1 400		33	ug/kg	1 600		38
3785	Di n octylphthalate	N D		67	ug/kg	N D		78
3786	Benzo(b)fluoranthene	1 400		33	ug/kg	1 700		38
3787	Benzo(k)fluoranthene	580		33	ug/kg	670		38
3788	Benzo(a)pyrene	1 100		33	ug/kg	1 200		38
3789	Indeno(1 2 3 cd)pyrene	710		33	ug/kg	830		38
3790	Dibenz(a h)anthracene	180	J	33	ug/kg	210	J	38
3791	Benzo(g h i)perylene	610		33	ug/kg	710		38

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

&&&

Analysis Report

LABORATORY CHRONICLE

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LLI Sample No SW 3202278
Collected 07/28/99 at 08 30 by MP

Submitted 07/29/99

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Livonia MI 48153 7933

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
2TP01 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 1804	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 1850	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 1818	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 1818	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2203	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992121AD									
5444 Chloromethane											
2	ug/kg	N D		105	108	2	104			48	130
5446 Bromomethane											
3	ug/kg	N D		99	108	9	99			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		108	113	5	100			60	127
5447 Chloroethane											
3	ug/kg	N D		99	104	5	96			30	142
5450 Methylene Chloride											
2	ug/kg	N D		9	1	6	104			69	126
6293 Acetone											
7	ug/kg	N D		104	99	6	78			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		96	97	1	88			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		112	112	0	103			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		113	117	3	114			81	130
5455 Chloroform											
1	ug/kg	N D		107	114	7	113			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		103	109	6	115			81	123
6296 2 Butanone											
7	ug/kg	N D		114	117	2	110			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		110	115	4	120			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		109	116	6	121			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		106	112	6	114			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		108	108	0	101			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		113	117	4	114			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		103	108	4	105			69	131
5462 Trichloroethene											
1	ug/kg	N D		111	116	5	112			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		106	109	3	112			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		111	110	1	108			81	124
5460 Benzene											
1	ug/kg	N D		116	119	2	113			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		110	115	4	112			79	126

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform											
1	ug/kg	N D		102	101	1	107			73	120
6299 4 Methyl 2 pentanone											
3	ug/kg	N D		102	108	6	110			63	123
6300 2 Hexanone											
3	ug/kg	N D		105	107	1	104			60	128
5468 Tetrachloroethene											
1	ug/kg	N D		115	120	4	114			83	150
5466 Toluene											
1	ug/kg	N D		114	113	1	105			74	128
5472 Chlorobenzene											
1	ug/kg	N D		114	112	2	108			81	121
5474 Ethylbenzene											
1	ug/kg	N D		117	116	0	112			86	129
5477 Styrene											
1	ug/kg	N D		116	114	2	108			84	127
6301 Xylene (Total)											
1	ug/kg	N D		117	116	1	111			88	128
5451 trans 1 2 Dichloroethene											
2	ug/kg	N D		115	119	4	111			73	126
5454 cis 1 2 Dichloroethene											
2	ug/kg	N D		113	117	3	112			84	123
1225 TCL Pesticides in Solids		Batch 992110011A									
1981 Alpha BHC											
0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC											
0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC											
0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane											
0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor											
0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin											
0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide											
0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I											
0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin											
1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE											
1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin											
1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II											
1 3	ug/kg	N D		44	51	16	89			46	138

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202278
SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	99	30	163
	DCB	254	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	83	47	127
	2 Flphenol	79	47	126
	2 4 6 TBP	84	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	82	45	128
	2 Fbiphnyl	80	49	123
	Tphenyld14	96	40	146
6292 TCL by 8260 (soil)	DBFM	108	80	120
	d4 1 2 DCA	105	80	120
	d8 toluene	107	81	117
	4 BFB	100	74	121

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AUG 2 0 1999

LLI Sample No TL 3202279
Collected 07/28/99 at 08 30 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

ENTERED IN DATABASE
+ Arc View
MCP 8/26/99
NLH
027-98

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 63	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0100 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0027	0 00063	mg/l
7072	Zinc TR	0 207	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 30 52 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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Analysis Repor

LABORATORY CHRONICLE

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LLI Sample No TL 3202279
Collected 07/28/99 at 08 30 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/16/99 0537	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0537	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2325	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1701	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202279
SP02TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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AUG 23 1999

LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

+ Arc View
BY/DATE MCF 8/26/99
CHECKED BY NLH
DATE 8-27-99

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	9 16	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	7 80	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below		See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 7 8 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide					
	This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
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885 0 00 00072200 ASR000

Respectfully Submitted
Duane A Luckenbill B S
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LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	5	J	2	ug/kg	5	J	2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	21		1	ug/kg	23		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	N D		1	ug/kg	N D		1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

Lancaster Laboratories
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LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	1 94	J	0 67	ug/kg	2 13	J	0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	2 3	J	1 3	ug/kg	2 6	J	1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	13 4		1 3	ug/kg	14 8		1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	47		6 7	ug/kg	52		7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	7 4		0 67	ug/kg	8 2		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		36
1994	PCB 1221	N D		33	ug/kg	N D		36
1995	PCB 1232	N D		33	ug/kg	N D		36
1996	PCB 1242	N D		33	ug/kg	N D		36
1997	PCB 1248	N D		33	ug/kg	N D		36
1998	PCB 1254	N D		33	ug/kg	N D		36
1999	PCB 1260	N D		33	ug/kg	N D		36

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		36
1186	2 Chlorophenol	N D		33	ug/kg	N D		36
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		36
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		36
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		36
4690	2 Methylphenol	N D		33	ug/kg	N D		36
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		36
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		36
3757	Hexachloroethane	N D		33	ug/kg	N D		36
3758	Nitrobenzene	N D		33	ug/kg	N D		36
3759	Isophorone	N D		33	ug/kg	N D		36
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		36
3761	Naphthalene	37	J	33	ug/kg	40	J	36
4693	4 Chloroaniline	N D		33	ug/kg	N D		36
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	39	J	33	ug/kg	43	J	36
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		36
4696	2 Nitroaniline	N D		33	ug/kg	N D		36
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	N D		33	ug/kg	N D		36

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	90	J	33	ug/kg	99	J	36
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	62	J	33	ug/kg	69	J	36
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		36
3770	Diethylphthalate	N D		67	ug/kg	N D		74
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		36
3768	Fluorene	96	J	33	ug/kg	110	J	36
4700	4 Nitroaniline	N D		67	ug/kg	N D		74
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		36
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		36
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	1 400		33	ug/kg	1 600		36
3776	Anthracene	340		33	ug/kg	370		36
4702	Carbazole	180	J	33	ug/kg	200	J	36
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	2 200		33	ug/kg	2 400		36
1195	Pyrene	2 000		33	ug/kg	2 200		36
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	1 000		33	ug/kg	1 100		36
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		74
3782	Chrysene	1 000		33	ug/kg	1 200		36
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	1 100		33	ug/kg	1 200		36
3787	Benzo(k)fluoranthene	480		33	ug/kg	530		36
3788	Benzo(a)pyrene	830		33	ug/kg	910		36
3789	Indeno(1 2 3 cd)pyrene	590		33	ug/kg	650		36
3790	Dibenz(a h)anthracene	150	J	33	ug/kg	160	J	36
3791	Benzo(g h i)perylene	510		33	ug/kg	570		36

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

&&&

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No SW 3202280
Collected 07/28/99 at 09 00 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
2TP02 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 1840	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 1910	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 1905	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 1905	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2204	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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LLI Sample No 3202280
SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992121AD									
5444 Chloromethane											
2	ug/kg	N D		105	108	2	104			48	130
5446 Bromomethane											
3	ug/kg	N D		99	108	9	99			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		108	113	5	100			60	127
5447 Chloroethane											
3	ug/kg	N D		99	104	5	96			30	142
5450 Methylene Chloride											
2	ug/kg	N D		9	1	6	104			69	126
6293 Acetone											
7	ug/kg	N D		104	99	6	78			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		96	97	1	88			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		112	112	0	103			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		113	117	3	114			81	130
5455 Chloroform											
1	ug/kg	N D		107	114	7	113			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		103	109	6	115			81	123
6296 2 Butanone											
7	ug/kg	N D		114	117	2	110			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		110	115	4	120			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		109	116	6	121			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		106	112	6	114			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		108	108	0	101			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		113	117	4	114			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		103	108	4	105			69	131
5462 Trichloroethene											
1	ug/kg	N D		111	116	5	112			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		106	109	3	112			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		111	110	1	108			81	124
5460 Benzene											
1	ug/kg	N D		116	119	2	113			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		110	115	4	112			79	126

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LLI Sample No 3202280
SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		102	101	1	107			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		102	108	6	110			63	123
6300 2 Hexanone	3	ug/kg	N D		105	107	1	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		115	120	4	114			83	150
5466 Toluene	1	ug/kg	N D		114	113	1	105			74	128
5472 Chlorobenzene	1	ug/kg	N D		114	112	2	108			81	121
5474 Ethylbenzene	1	ug/kg	N D		117	116	0	112			86	129
5477 Styrene	1	ug/kg	N D		116	114	2	108			84	127
6301 Xylene (Total)	1	ug/kg	N D		117	116	1	111			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		115	119	4	111			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		113	117	3	112			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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LLI Sample No 3202280
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Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202280
SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202280
SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202280
SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids		TCX	102	30	163
		DCB	206	42	184
4688 TCL SW846 Semivolatiles Soil		Phenol d6	85	47	127
		2 Flphenol	85	47	126
		2 4 6 TBP	85	36	150
4689 TCL SW846 Semivolatiles/Soil		Nitrobz d5	88	45	128
		2 Fbiphnyl	87	49	123
		Tphenyld14	94	40	146
6292 TCL by 8260 (soil)		DBFM	108	80	120
		d4 1 2 DCA	102	80	120
		d8 toluene	103	81	117
		4 BFB	99	74	121

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AUG 23 1999

LLI Sample No TL 3202281
Collected 07/28/99 at 09 00 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

+ ArcView
MCP 8/26/99
8-27-99

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 63	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0090 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0061 J	0 0059	mg/l
7049	Cadmium TR	0 0025	0 00063	mg/l
7072	Zinc TR	0 100	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
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Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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LLI Sample No TL 3202281
Collected 07/28/99 at 09 00 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/16/99 0513	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0513	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2330	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1702	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202281
SP02TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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AUG 2? 1999

LLI Sample No SW 3202282
Collected 07/28/99 at 09 25 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

E DATABASE
MCP 8/26/99
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	10 8	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	8 08	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below	1 0	See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 8 08 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide					
	This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

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Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
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LLI Sample No SW 3202282
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P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	10		2	ug/kg	11		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	28		1	ug/kg	31		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	1	J	1	ug/kg	1	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

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Respectfully Submitted
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Group Leader GC/MS Volatiles

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Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	0 94	J	0 67	ug/kg	1 06	J	0 75
1982	Beta BHC	N D		0 67	ug/kg	N D		0 75
1983	Delta BHC	N D		0 67	ug/kg	N D		0 75
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 75
1219	Heptachlor	1 15	J	0 67	ug/kg	1 29	J	0 75
1220	Aldrin	N D		0 67	ug/kg	N D		0 75
1984	Heptachlor Epoxide	0 87	J	0 67	ug/kg	0 97	J	0 75
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 75
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	10 5		1 3	ug/kg	11 8		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	13 4		1 3	ug/kg	15 0		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	129		6 7	ug/kg	145		7 5
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 75
3026	Gamma Chlordane	21 9		0 67	ug/kg	24 6		0 75
1988	Toxaphene	N D		67	ug/kg	N D		75
1992	Endrin Aldehyde	2 6	J	1 3	ug/kg	2 9	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202282
Collected 07/28/99 at 09 25 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	N D		67	ug/kg	N D		75
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		75
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		75
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		75
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		75
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		75
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		37
3761	Naphthalene	130	J	33	ug/kg	150	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		75
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		75
4694	2 Methylnaphthalene	68	J	33	ug/kg	77	J	37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		75
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		75
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		75
3765	Acenaphthylene	41	J	33	ug/kg	46	J	37

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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LLI Sample No SW 3202282
Collected 07/28/99 at 09 25 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		75
1191	Acenaphthene	210	J	33	ug/kg	240	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		260
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	150	J	33	ug/kg	170	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		75
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		75
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		37
3768	Fluorene	280	J	33	ug/kg	310	J	37
4700	4 Nitroaniline	N D		67	ug/kg	N D		75
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		75
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	3 500		33	ug/kg	3 900		37
3776	Anthracene	1 100		33	ug/kg	1 300		37
4702	Carbazole	310	J	33	ug/kg	340	J	37
3777	Di n butylphthalate	N D		67	ug/kg	N D		75
3778	Fluoranthene	5 500		67	ug/kg	6 100		75
1195	Pyrene	4 900		33	ug/kg	5 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		75
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		75
3781	Benzo(a)anthracene	2 500		33	ug/kg	2 800		37
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		75
3782	Chrysene	2 400		33	ug/kg	2 700		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		75
3786	Benzo(b)fluoranthene	2 500		33	ug/kg	2 800		37
3787	Benzo(k)fluoranthene	1 000		33	ug/kg	1 100		37
3788	Benzo(a)pyrene	2 000		33	ug/kg	2 300		37
3789	Indeno(1 2 3 cd)pyrene	1 300		33	ug/kg	1 500		37
3790	Dibenz(a h)anthracene	320	J	33	ug/kg	360	J	37
3791	Benzo(g h i)perylene	1 100		33	ug/kg	1 300		37

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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See reverse side for explanation of symbols and abbreviations

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Analysis Report

LABORATORY CHRONICLE

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LLI Sample No SW 3202282
Collected 07/28/99 at 09 25 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
2TP03 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 2003	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 1931	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 1951	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 1951	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2205	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992151AA									
5444 Chloromethane											
2	ug/kg	N D		104	89	15	91			48	130
5446 Bromomethane											
3	ug/kg	N D		91	96	5	85			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		96	93	3	91			60	127
5447 Chloroethane											
3	ug/kg	N D		92	101	10	85			30	142
5450 Methylene Chloride											
2	ug/kg	N D		86	89	2	99			69	126
6293 Acetone											
7	ug/kg	N D		91	103	13	91			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		84	86	1	84			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		104	102	2	98			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		117	116	1	109			81	130
5455 Chloroform											
1	ug/kg	N D		114	112	1	108			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		110	112	2	106			81	123
6296 2 Butanone											
7	ug/kg	N D		106	113	6	114			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		126	127	1	112			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		116	119	2	114			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		109	109	0	105			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		120	123	2	104			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		110	113	2	107			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		106	114	7	101			69	131
5462 Trichloroethene											
1	ug/kg	N D		150	189	13	102			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		114	119	5	107			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		110	114	3	103			81	124
5460 Benzene											
1	ug/kg	N D		111	113	2	108			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		105	106	1	105			79	126

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		105	109	4	108			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		105	105	1	106			63	123
6300 2 Hexanone	3	ug/kg	N D		109	112	3	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		114	122	7	107			83	150
5466 Toluene	1	ug/kg	N D		112	115	3	104			74	128
5472 Chlorobenzene	1	ug/kg	N D		105	111	5	102			81	121
5474 Ethylbenzene	1	ug/kg	N D		109	113	4	106			86	129
5477 Styrene	1	ug/kg	N D		102	108	6	103			84	127
6301 Xylene (Total)	1	ug/kg	N D		107	111	4	106			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		106	103	3	109			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		114	114	0	109			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
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SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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LLI Sample No 3202282
SP0ZTP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
67	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0			-	99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202282
SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids		TCX	103	30	163
		DCB	313	42	184
4688 TCL SW846 Semivolatiles Soil		Phenol d6	85	47	127
		2 Flphenol	82	47	126
		2 4 6 TBP	84	36	150
4689 TCL SW846 Semivolatiles/Soil		Nitrobz d5	83	45	128
		2 Fbiphnyl	85	49	123
		Tphenyld14	95	40	146
6292 TCL by 8260 (soil)		DBFM	108	80	120
		d4 1 2 DCA	101	80	120
		d8 toluene	100	81	117
		4 BFB	93	74	121

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AUG 2 2 1999

LLI Sample No TL 3202283
Collected 07/28/99 at 09 25 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP03 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

+ ArcView
BY/DATE MCP 8/26/99
CHECKED BY MLH
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 68	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0225 J	0 0058	mg/l
1755	Lead	0 27	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0032	0 00063	mg/l
7072	Zinc TR	0 179	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 37 20 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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Analysis Report

LABORATORY CHRONICLE

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LLI Sample No TL 3202283
Collected 07/28/99 at 09 25 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP03 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/16/99 0542	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0542	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2335	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1703	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202283
SP02TP03 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

ENTERED IN DATABASE + ArcView
BY/DATE mcf 8/26/99
CHECKED BY hch
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	9 76	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	7 62	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below	1 0	See Below		
	Corrosivity The pH of a 1 1 slurry (with deionized water) was 7 62 indicating that the waste is not corrosive A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water The sample did not ignite by friction The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

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Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 37 58 D 0001 25 138873 676387
885 0 00 00072200 ASR000

Respectfully Submitted
Duane A Luckenbill B S
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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	13		2	ug/kg	14		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	18		1	ug/kg	20		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	1	J	1	ug/kg	1	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

Questions? Contact your Client Services Representative
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Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

Lancaster Laboratories
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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	N D		0 67	ug/kg	N D		0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	2 9	J	1 3	ug/kg	3 3	J	1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	5 6	J	1 3	ug/kg	6 2	J	1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	56		6 7	ug/kg	62		7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	4 9		0 67	ug/kg	5 5		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		37
3761	Naphthalene	38	J	33	ug/kg	43	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	N D		33	ug/kg	N D		37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	N D		33	ug/kg	N D		37

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	56	J	33	ug/kg	62	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	50	J	33	ug/kg	56	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		74
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		37
3768	Fluorene	68	J	33	ug/kg	75	J	37
4700	4 Nitroaniline	N D		67	ug/kg	N D		74
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	900		33	ug/kg	1 000		37
3776	Anthracene	220	J	33	ug/kg	240	J	37
4702	Carbazole	130	J	33	ug/kg	140	J	37
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	1 400		33	ug/kg	1 500		37
1195	Pyrene	1 200		33	ug/kg	1 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	680		33	ug/kg	760		37
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		74
3782	Chrysene	710		33	ug/kg	780		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	840		33	ug/kg	930		37
3787	Benzo(k)fluoranthene	320	J	33	ug/kg	360	J	37
3788	Benzo(a)pyrene	570		33	ug/kg	640		37
3789	Indeno(1 2 3 cd)pyrene	400		33	ug/kg	450		37
3790	Dibenz(a h)anthracene	110	J	33	ug/kg	130	J	37
3791	Benzo(g h i)perylene	350		33	ug/kg	390		37

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

&&&

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No SW 3202284
Collected 07/28/99 at 09 50 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
2TP04 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 2038	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 1951	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 2038	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 2038	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2207	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992151AA									
5444 Chloromethane											
2	ug/kg	N D		104	89	15	91			48	130
5446 Bromomethane											
3	ug/kg	N D		91	96	5	85			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		96	93	3	91			60	127
5447 Chloroethane											
3	ug/kg	N D		92	101	10	85			30	142
5450 Methylene Chloride											
2	ug/kg	N D		86	89	2	99			69	126
6293 Acetone											
7	ug/kg	N D		91	103	13	91			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		84	86	1	84			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		104	102	2	98			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		117	116	1	109			81	130
5455 Chloroform											
1	ug/kg	N D		114	112	1	108			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		110	112	2	106			81	123
6296 2 Butanone											
7	ug/kg	N D		106	113	6	114			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		126	127	1	112			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		116	119	2	114			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		109	109	0	105			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		120	123	2	104			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		110	113	2	107			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		106	114	7	101			69	131
5462 Trichloroethene											
1	ug/kg	N D		150	189	13	102			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		114	119	5	107			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		110	114	3	103			81	124
5460 Benzene											
1	ug/kg	N D		111	113	2	108			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		105	106	1	105			79	126

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LLI Sample No 3202284
SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform											
1	ug/kg	N D		105	109	4	108			73	120
6299 4 Methyl 2 pentanone											
3	ug/kg	N D		105	105	1	106			63	123
6300 2 Hexanone											
3	ug/kg	N D		109	112	3	104			60	128
5468 Tetrachloroethene											
1	ug/kg	N D		114	122	7	107			83	150
5466 Toluene											
1	ug/kg	N D		112	115	3	104			74	128
5472 Chlorobenzene											
1	ug/kg	N D		105	111	5	102			81	121
5474 Ethylbenzene											
1	ug/kg	N D		109	113	4	106			86	129
5477 Styrene											
1	ug/kg	N D		102	108	6	103			84	127
6301 Xylene (Total)											
1	ug/kg	N D		107	111	4	106			88	128
5451 trans 1 2 Dichloroethene											
2	ug/kg	N D		106	103	3	109			73	126
5454 cis 1 2 Dichloroethene											
2	ug/kg	N D		114	114	0	109			84	123
1225 TCL Pesticides in Solids		Batch 992110011A									
1981 Alpha BHC											
0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC											
0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC											
0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane											
0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor											
0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin											
0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide											
0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I											
0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin											
1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE											
1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin											
1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II											
1 3	ug/kg	N D		44	51	16	89			46	138

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LLI Sample No 3202284
SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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LLI Sample No 3202284
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Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202284
SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202284
SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202284
SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	105	30	163
	DCB	196	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	87	47	127
	2 Flphenol	84	47	126
	2 4 6 TBP	91	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	84	45	128
	2 Fbiphnyl	87	49	123
	Tphenyld14	94	40	146
6292 TCL by 8260 (soil)	DBFM	110	80	120
	d4 1 2 DCA	106	80	120
	d8 toluene	105	81	117
	4 BFB	102	74	121

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AUG 2 0 1999

LLI Sample No TL 3202285
Collected 07/28/99 at 09 50 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP04 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

ENTERED IN DATABASE + Arc View
BY/DATE MCP 8/26/99
CHECKED BY hun
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 54	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0235 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0025	0 00063	mg/l
7072	Zinc TR	0 082	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 40 04 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

MEMBER ACIL
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Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc a Thermo Electron Company
See reverse side for explanation of symbols and abbreviations

&&&

Analysis Report

LABORATORY CHRONICLE

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LLI Sample No TL 3202285
Collected 07/28/99 at 09 50 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP04 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0518	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2340	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1705	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202285
SP02TP04 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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AUG 2? 1999

LLI Sample No SW 3202286
Collected 07/28/99 at 10 10 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

ENTERED IN DATABASE + Archive
BY/DATE mcP 8/26/99
CHECKED BY nlh
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	10 9	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	7 84	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below		See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 7 84 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide					
	This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 40 32 D 0001 25 138873 676387
885 0 00 00072200 ASR000

Respectfully Submitted
Duane A Luckenbill B S
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Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202286
Collected 07/28/99 at 10 10 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
TCL by 8260 (soil)						
5444	Chloromethane	N D	2	ug/kg	N D	2
5446	Bromomethane	N D	3	ug/kg	N D	3
5445	Vinyl Chloride	N D	2	ug/kg	N D	2
5447	Chloroethane	N D	3	ug/kg	N D	3
5450	Methylene Chloride	23	2	ug/kg	25	2
6293	Acetone	N D	7	ug/kg	N D	8
6294	Carbon Disulfide	N D	3	ug/kg	N D	3
5449	1 1 Dichloroethene	N D	2	ug/kg	N D	2
5452	1 1 Dichloroethane	N D	1	ug/kg	N D	1
5455	Chloroform	N D	1	ug/kg	N D	1
5461	1 2 Dichloroethane	N D	2	ug/kg	N D	2
6296	2 Butanone	N D	7	ug/kg	N D	8
5457	1 1 1 Trichloroethane	N D	1	ug/kg	N D	1
5458	Carbon Tetrachloride	N D	1	ug/kg	N D	1
5465	Bromodichloromethane	N D	2	ug/kg	N D	2
5480	1 1 2 2 Tetrachloroethane	N D	1	ug/kg	N D	1
5463	1 2 Dichloropropane	N D	3	ug/kg	N D	3
6297	trans 1 3 Dichloropropene	N D	1	ug/kg	N D	1
5462	Trichloroethene	14	1	ug/kg	16	1
5470	Dibromochloromethane	N D	1	ug/kg	N D	1
5467	1 1 2 Trichloroethane	N D	2	ug/kg	N D	2
5460	Benzene	N D	1	ug/kg	N D	1
6298	cis 1 3 Dichloropropene	N D	1	ug/kg	N D	1
5478	Bromoform	N D	1	ug/kg	N D	1
6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3
6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	N D	1	ug/kg	N D	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

Questions? Contact your Client Services Representative
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Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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LLI Sample No SW 3202286
Collected 07/28/99 at 10 10 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	1 24	J	0 67	ug/kg	1 39	J	0 75
1982	Beta BHC	N D		0 67	ug/kg	N D		0 75
1983	Delta BHC	N D		0 67	ug/kg	N D		0 75
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 75
1219	Heptachlor	6 3		0 67	ug/kg	7 1		0 75
1220	Aldrin	N D		0 67	ug/kg	N D		0 75
1984	Heptachlor Epoxide	N D		0 67	ug/kg	N D		0 75
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 75
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	16 2		1 3	ug/kg	18 2		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	19 2		1 3	ug/kg	21 6		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	121		6 7	ug/kg	136		7 5
3025	Alpha Chlordane	53 8		0 67	ug/kg	60 4		0 75
3026	Gamma Chlordane	45 0		0 67	ug/kg	50 5		0 75
1988	Toxaphene	N D		67	ug/kg	N D		75
1992	Endrin Aldehyde	1 8	J	1 3	ug/kg	2 0	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202286
Collected 07/28/99 at 10 10 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	2 300		67	ug/kg	2 500		75
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		75
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		75
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		75
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		75
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		75
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		37
3761	Naphthalene	98	J	33	ug/kg	110	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		75
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		75
4694	2 Methylnaphthalene	80	J	33	ug/kg	90	J	37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		75
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		75
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		75
3765	Acenaphthylene	62	J	33	ug/kg	70	J	37

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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LLI Sample No SW 3202286
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Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
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SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		75
1191	Acenaphthene	290	J	33	ug/kg	330	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		260
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	180	J	33	ug/kg	210	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		75
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		75
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		37
3768	Fluorene	270	J	33	ug/kg	300	J	37
4700	4 Nitroaniline	N D		67	ug/kg	N D		75
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		75
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	3 800		33	ug/kg	4 200		37
3776	Anthracene	840		33	ug/kg	950		37
4702	Carbazole	510		33	ug/kg	570		37
3777	Di n butylphthalate	N D		67	ug/kg	N D		75
3778	Fluoranthene	5 500		67	ug/kg	6 200		75
1195	Pyrene	4 800		33	ug/kg	5 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		75
3783	3 3 Dichlorobenzidine	160	J	67	ug/kg	180	J	75
3781	Benzo(a)anthracene	2 400		33	ug/kg	2 700		37
3784	bis(2 Ethylhexyl)phthalate	410		67	ug/kg	460		75
3782	Chrysene	2 400		33	ug/kg	2 700		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		75
3786	Benzo(b)fluoranthene	2 800		33	ug/kg	3 200		37
3787	Benzo(k)fluoranthene	1 200		33	ug/kg	1 300		37
3788	Benzo(a)pyrene	2 200		33	ug/kg	2 400		37
3789	Indeno(1 2 3 cd)pyrene	1 500		33	ug/kg	1 700		37
3790	Dibenz(a h)anthracene	360		33	ug/kg	400		37
3791	Benzo(g h i)perylene	1 300		33	ug/kg	1 500		37

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

&&&

Analysis Report

LABORATORY CHRONICLE

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LLI Sample No SW 3202286
Collected 07/28/99 at 10 10 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
2TP05 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 2214	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 2011	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 2125	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 2125	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2208	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992151AA									
5444 Chloromethane											
2	ug/kg	N D		104	89	15	91			48	130
5446 Bromomethane											
3	ug/kg	N D		91	96	5	85			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		96	93	3	91			60	127
5447 Chloroethane											
3	ug/kg	N D		92	101	10	85			30	142
5450 Methylene Chloride											
2	ug/kg	N D		86	89	2	99			69	126
6293 Acetone											
7	ug/kg	N D		91	103	13	91			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		84	86	1	84			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		104	102	2	98			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		117	116	1	109			81	130
5455 Chloroform											
1	ug/kg	N D		114	112	1	108			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		110	112	2	106			81	123
6296 2 Butanone											
7	ug/kg	N D		106	113	6	114			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		126	127	1	112			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		116	119	2	114			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		109	109	0	105			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		120	123	2	104			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		110	113	2	107			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		106	114	7	101			69	131
5462 Trichloroethene											
1	ug/kg	N D		150	189	13	102			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		114	119	5	107			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		110	114	3	103			81	124
5460 Benzene											
1	ug/kg	N D		111	113	2	108			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		105	106	1	105			79	126

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		105	109	4	108			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		105	105	1	106			63	123
6300 2 Hexanone	3	ug/kg	N D		109	112	3	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		114	122	7	107			83	150
5466 Toluene	1	ug/kg	N D		112	115	3	104			74	128
5472 Chlorobenzene	1	ug/kg	N D		105	111	5	102			81	121
5474 Ethylbenzene	1	ug/kg	N D		109	113	4	106			86	129
5477 Styrene	1	ug/kg	N D		102	108	6	103			84	127
6301 Xylene (Total)	1	ug/kg	N D		107	111	4	106			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		106	103	3	109			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		114	114	0	109			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
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Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD												
	1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate												
	1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT												
	1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone												
	1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor												
	6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane												
	0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane												
	0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene												
	67	ug/kg	N D									
1992 Endrin Aldehyde												
	1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016												
	33	ug/kg	N D									
1994 PCB 1221												
	33	ug/kg	N D									
1995 PCB 1232												
	33	ug/kg	N D									
1996 PCB 1242												
	33	ug/kg	N D									
1997 PCB 1248												
	33	ug/kg	N D									
1998 PCB 1254												
	33	ug/kg	N D									
1999 PCB 1260												
	33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil			Batch 99215SLD026									
1185 Phenol												
	67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether												
	33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol												
	33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene												
	33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene												
	33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene												
	33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol												
	33	ug/kg	N D		61	48	25	89			42	127

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
67	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202286
SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	112	30	163
	DCB	350	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	85	47	127
	2 Flphenol	81	47	126
	2 4 6 TBP	92	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	83	45	128
	2 Fbiphnyl	85	49	123
	Tphenyld14	94	40	146
6292 TCL by 8260 (soil)	DBFM	108	80	120
	d4 1 2 DCA	103	80	120
	d8 toluene	104	81	117
	4 BFB	100	74	121

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AUG 2 2 1999

LLI Sample No TL 3202287
Collected 07/28/99 at 10 10 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP02TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

ENTERED IN DATABASE + Arc View
BY/DATE MCP 8/16/99
CHECKED BY NLH
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 60	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0093 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0024	0 00063	mg/l
7072	Zinc TR	0 125	0 0036	mg/l
0259	Mercury	0 000048J	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
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885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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Analysis Repor
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LLI Sample No TL 3202287
Collected 07/28/99 at 10 10 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP02TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/16/99 0523	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0523	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
7072	Zinc TR	SW 846 6010B	1		08/10/99 2345	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1706	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202287
SP02TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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AUG 23 1999

LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	4 08	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	8 22	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below	1 0	See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 8 22 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

ENTERED IN DATABASE + ArcView
BY/DATE MCP 8/26/99
CHECKED BY MH
DATE 8-27-99

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
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Respectfully Submitted
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LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	12		2	ug/kg	12		2
6293	Acetone	9	J	7	ug/kg	9	J	7
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		7
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	N D		1	ug/kg	N D		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	N D		1	ug/kg	N D		1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	N D		0 67	ug/kg	N D		0 70
1982	Beta BHC	N D		0 67	ug/kg	N D		0 70
1983	Delta BHC	N D		0 67	ug/kg	N D		0 70
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 70
1219	Heptachlor	N D		0 67	ug/kg	N D		0 70
1220	Aldrin	N D		0 67	ug/kg	N D		0 70
1984	Heptachlor Epoxide	1 59	J	0 67	ug/kg	1 66	J	0 70
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 70
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	11 1		1 3	ug/kg	11 6		1 4
3017	Endrin Ketone	1 7	J	1 3	ug/kg	1 8	J	1 4
1859	Methoxychlor	N D		6 7	ug/kg	N D		7 0
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 70
3026	Gamma Chlordane	1 63	J	0 67	ug/kg	1 70	J	0 70
1988	Toxaphene	N D		67	ug/kg	N D		70
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		34
1994	PCB 1221	N D		33	ug/kg	N D		34
1995	PCB 1232	N D		33	ug/kg	N D		34
1996	PCB 1242	N D		33	ug/kg	N D		34
1997	PCB 1248	N D		33	ug/kg	N D		34
1998	PCB 1254	N D		33	ug/kg	N D		34
1999	PCB 1260	N D		33	ug/kg	N D		34

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846	Semivolatiles Soil							
1185	Phenol	N D		67	ug/kg	N D		70
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		34
1186	2 Chlorophenol	N D		33	ug/kg	N D		34
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		34
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		34
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		34
4690	2 Methylphenol	120	J	33	ug/kg	120	J	34
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		34
4692	4 Methylphenol	N D		67	ug/kg	N D		70
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		34
3757	Hexachloroethane	N D		33	ug/kg	N D		34
3758	Nitrobenzene	N D		33	ug/kg	N D		34
3759	Isophorone	N D		33	ug/kg	N D		34
3746	2 Nitrophenol	N D		67	ug/kg	N D		70
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		70
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		70
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		70
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		34
3761	Naphthalene	90	J	33	ug/kg	93	J	34
4693	4 Chloroaniline	N D		33	ug/kg	N D		34
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		70
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		70
4694	2 Methylnaphthalene	44	J	33	ug/kg	46	J	34
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		180
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		70
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		70
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		34
4696	2 Nitroaniline	N D		33	ug/kg	N D		34
3766	Dimethylphthalate	N D		67	ug/kg	N D		70
3765	Acenaphthylene	190	J	33	ug/kg	200	J	34

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
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Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc a Thermo Electron Company
See r verse side for explanation of symbols and abbreviations

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LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		70
1191	Acenaphthene	53	J	33	ug/kg	55	J	34
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		240
1192	4 Nitrophenol	N D		170	ug/kg	N D		180
4698	Dibenzofuran	49	J	33	ug/kg	52	J	34
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		70
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		34
3770	Diethylphthalate	N D		67	ug/kg	N D		70
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		34
3768	Fluorene	74	J	33	ug/kg	77	J	34
4700	4 Nitroaniline	N D		67	ug/kg	N D		70
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		180
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		34
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		70
3774	Hexachlorobenzene	N D		33	ug/kg	N D		34
1194	Pentachlorophenol	N D		170	ug/kg	N D		180
3775	Phenanthrene	860		33	ug/kg	900		34
3776	Anthracene	230	J	33	ug/kg	240	J	34
4702	Carbazole	84	J	33	ug/kg	88	J	34
3777	Di n butylphthalate	N D		67	ug/kg	N D		70
3778	Fluoranthene	1 600		33	ug/kg	1 600		34
1195	Pyrene	1 500		33	ug/kg	1 500		34
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		70
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		70
3781	Benzo(a)anthracene	810		33	ug/kg	850		34
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		70
3782	Chrysene	820		33	ug/kg	850		34
3785	Di n octylphthalate	N D		67	ug/kg	N D		70
3786	Benzo(b)fluoranthene	1 000		33	ug/kg	1 100		34
3787	Benzo(k)fluoranthene	460		33	ug/kg	480		34
3788	Benzo(a)pyrene	850		33	ug/kg	880		34
3789	Indeno(1 2 3 cd)pyrene	640		33	ug/kg	670		34
3790	Dibenz(a h)anthracene	140	J	33	ug/kg	150	J	34
3791	Benzo(g h i)perylene	560		33	ug/kg	580		34

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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&&&

Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No SW 3202288
Collected 07/28/99 at 10 45 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
3TP01 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 2246	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 2031	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/06/99 2212	Heidi L Ortenzi
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/06/99 2212	Heidi L Ortenzi
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2209	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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LLI Sample No 3202288
SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)		Batch E992151AA									
5444 Chloromethane											
2	ug/kg	N D		104	89	15	91			48	130
5446 Bromomethane											
3	ug/kg	N D		91	96	5	85			46	134
5445 Vinyl Chloride											
2	ug/kg	N D		96	93	3	91			60	127
5447 Chloroethane											
3	ug/kg	N D		92	101	10	85			30	142
5450 Methylene Chloride											
2	ug/kg	N D		86	89	2	99			69	126
6293 Acetone											
7	ug/kg	N D		91	103	13	91			46	133
6294 Carbon Disulfide											
3	ug/kg	N D		84	86	1	84			52	165
5449 1 1 Dichloroethene											
2	ug/kg	N D		104	102	2	98			69	146
5452 1 1 Dichloroethane											
1	ug/kg	N D		117	116	1	109			81	130
5455 Chloroform											
1	ug/kg	N D		114	112	1	108			82	123
5461 1 2 Dichloroethane											
2	ug/kg	N D		110	112	2	106			81	123
6296 2 Butanone											
7	ug/kg	N D		106	113	6	114			47	153
5457 1 1 1 Trichloroethane											
1	ug/kg	N D		126	127	1	112			84	132
5458 Carbon Tetrachloride											
1	ug/kg	N D		116	119	2	114			78	129
5465 Bromodichloromethane											
2	ug/kg	N D		109	109	0	105			80	121
5480 1 1 2 2 Tetrachloroethane											
1	ug/kg	N D		120	123	2	104			70	124
5463 1 2 Dichloropropane											
3	ug/kg	N D		110	113	2	107			77	127
6297 trans 1 3 Dichloropropene											
1	ug/kg	N D		106	114	7	101			69	131
5462 Trichloroethene											
1	ug/kg	N D		150	189	13	102			81	123
5470 Dibromochloromethane											
1	ug/kg	N D		114	119	5	107			80	120
5467 1 1 2 Trichloroethane											
2	ug/kg	N D		110	114	3	103			81	124
5460 Benzene											
1	ug/kg	N D		111	113	2	108			77	126
6298 cis 1 3 Dichloropropene											
1	ug/kg	N D		105	106	1	105			79	126

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LLI Sample No 3202288
SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		105	109	4	108			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		105	105	1	106			63	123
6300 2 Hexanone	3	ug/kg	N D		109	112	3	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		114	122	7	107			83	150
5466 Toluene	1	ug/kg	N D		112	115	3	104			74	128
5472 Chlorobenzene	1	ug/kg	N D		105	111	5	102			81	121
5474 Ethylbenzene	1	ug/kg	N D		109	113	4	106			86	129
5477 Styrene	1	ug/kg	N D		102	108	6	103			84	127
6301 Xylene (Total)	1	ug/kg	N D		107	111	4	106			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		106	103	3	109			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		114	114	0	109			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
33	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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LLI Sample No 3202288
SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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LLI Sample No 3202288
SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202288
SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	109	30	163
	DCB	176	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	85	47	127
	2 Flphenol	85	47	126
	2 4 6 TBP	86	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	87	45	128
	2 Fbiphnyl	90	49	123
	Tphenyld14	95	40	146
6292 TCL by 8260 (soil)	DBFM	109	80	120
	d4 1 2 DCA	104	80	120
	d8 toluene	102	81	117
	4 BFB	97	74	121

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LLI Sample No TL 3202289
Collected 07/28/99 at 10 45 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

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BY/DATE MCP 8/26/99
CHECKED BY
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 85	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0140 J	0 0058	mg/l
1755	Lead	0 050 J	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0067 J	0 0059	mg/l
7049	Cadmium TR	0 0040	0 00063	mg/l
7072	Zinc TR	0 081	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 44 38 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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Analysis Report

LABORATORY CHRONICLE

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LLI Sample No TL 3202289
Collected 07/28/99 at 10 45 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP03TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/16/99 0547	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
1766	Silver	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0547	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/13/99 0752	Brenda A Weaver
7072	Zinc TR	SW 846 6010B	1		08/11/99 2400	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1708	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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Where quality is a science

LLI Sample No 3202289
SP03TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No SW 3202290
Collected 07/28/99 at 11 05 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
6292	TCL by 8260 (soil)			See Page 2		
1225	TCL Pesticides in Solids			See Page 3		
4688	TCL SW846 Semivolatiles Soil			See Page 4		
4689	TCL SW846 Semivolatiles/Soil			See Page 5		
1123	Cyanide (Reactivity)	N D	100	mg/kg		
0111	Moisture	8 92	0 50	% by wt		
	Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius					
0394	pH	9 01	0 010			
	The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min					
0496	Corrosivity	See Below		See Below		
	Corrosivity					
	The pH of a 1 1 slurry (with deionized water) was 9 01 indicating that the waste is not corrosive					
	A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5					
0542	Ignitability	See Below		See Below		
	The sample did not spontaneously ignite when exposed to air or water					
	The sample did not ignite by friction					
	The sample vapors did not ignite when exposed to a flame using a closed cup apparatus					
1121	Reactivity	See Below		See Below		
	Reactivity					
	The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide					
1122	Sulfide (Reactivity)	N D	39	mg/kg		
	The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications					

ENTERED IN DATABASE
BY/DATE MCP 8/16/99
CHECKED BY NLN
DATE 8-27-99

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
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885 0 00 00072200 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS	METHOD DETECTION LIMIT
TCL by 8260 (soil)						
5444	Chloromethane	N D	2	ug/kg	N D	2
5446	Bromomethane	N D	3	ug/kg	N D	3
5445	Vinyl Chloride	N D	2	ug/kg	N D	2
5447	Chloroethane	N D	3	ug/kg	N D	3
5450	Methylene Chloride	6	2	ug/kg	7	2
6293	Acetone	N D	7	ug/kg	N D	8
6294	Carbon Disulfide	N D	3	ug/kg	N D	3
5449	1 1 Dichloroethene	N D	2	ug/kg	N D	2
5452	1 1 Dichloroethane	N D	1	ug/kg	N D	1
5455	Chloroform	N D	1	ug/kg	N D	1
5461	1 2 Dichloroethane	N D	2	ug/kg	N D	2
6296	2 Butanone	N D	7	ug/kg	N D	8
5457	1 1 1 Trichloroethane	N D	1	ug/kg	N D	1
5458	Carbon Tetrachloride	N D	1	ug/kg	N D	1
5465	Bromodichloromethane	N D	2	ug/kg	N D	2
5480	1 1 2 2 Tetrachloroethane	N D	1	ug/kg	N D	1
5463	1 2 Dichloropropane	N D	3	ug/kg	N D	3
6297	trans 1 3 Dichloropropene	N D	1	ug/kg	N D	1
5462	Trichloroethene	16	1	ug/kg	18	1
5470	Dibromochloromethane	N D	1	ug/kg	N D	1
5467	1 1 2 Trichloroethane	N D	2	ug/kg	N D	2
5460	Benzene	N D	1	ug/kg	N D	1
6298	cis 1 3 Dichloropropene	N D	1	ug/kg	N D	1
5478	Bromoform	N D	1	ug/kg	N D	1
6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3
6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	18	1	ug/kg	19	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

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LLI Sample No SW 3202290
Collected 07/28/99 at 11 05 by MP

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL Pesticides in Solids								
1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	1 15	J	0 67	ug/kg	1 26	J	0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	9 7		1 3	ug/kg	10 6		1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	20 3	J	6 7	ug/kg	22 3	J	7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	N D		0 67	ug/kg	N D		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		36
1994	PCB 1221	N D		33	ug/kg	N D		36
1995	PCB 1232	N D		33	ug/kg	N D		36
1996	PCB 1242	N D		33	ug/kg	N D		36
1997	PCB 1248	N D		33	ug/kg	N D		36
1998	PCB 1254	N D		33	ug/kg	N D		36
1999	PCB 1260	N D		33	ug/kg	N D		36

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Jenifer E Hess B S
Group Leader Pesticides/PCBs

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LLI Sample No SW 3202290
Collected 07/28/99 at 11 05 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles Soil								
1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		36
1186	2 Chlorophenol	N D		33	ug/kg	N D		36
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		36
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		36
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		36
4690	2 Methylphenol	N D		33	ug/kg	N D		36
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		36
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		67	ug/kg	N D		74
3757	Hexachloroethane	N D		33	ug/kg	N D		36
3758	Nitrobenzene	N D		33	ug/kg	N D		36
3759	Isophorone	N D		33	ug/kg	N D		36
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		36
3761	Naphthalene	86	J	33	ug/kg	95	J	36
4693	4 Chloroaniline	N D		33	ug/kg	N D		36
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	69	J	33	ug/kg	76	J	36
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		36
4696	2 Nitroaniline	N D		33	ug/kg	N D		36
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	120	J	33	ug/kg	130	J	36

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

Lancaster Laboratories
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LLI Sample No SW 3202290
Collected 07/28/99 at 11 05 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS		METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULTS		METHOD DETECTION LIMIT
TCL SW846 Semivolatiles/Soil								
4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	47	J	33	ug/kg	52	J	36
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	54	J	33	ug/kg	60	J	36
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		36
3770	Diethylphthalate	N D		67	ug/kg	N D		74
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		36
3768	Fluorene	74	J	33	ug/kg	81	J	36
4700	4 Nitroaniline	N D		67	ug/kg	N D		74
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		36
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		36
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	840		33	ug/kg	920		36
3776	Anthracene	190	J	33	ug/kg	210	J	36
4702	Carbazole	91	J	33	ug/kg	100	J	36
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	1 500		33	ug/kg	1 600		36
1195	Pyrene	1 300		33	ug/kg	1 500		36
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	680		33	ug/kg	750		36
3784	bis(2 Ethylhexyl)phthalate	170	J	67	ug/kg	180	J	74
3782	Chrysene	650		33	ug/kg	710		36
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	950		33	ug/kg	1 000		36
3787	Benzo(k)fluoranthene	380		33	ug/kg	420		36
3788	Benzo(a)pyrene	730		33	ug/kg	810		36
3789	Indeno(1 2 3 cd)pyrene	590		33	ug/kg	650		36
3790	Dibenz(a h)anthracene	140	J	33	ug/kg	150	J	36
3791	Benzo(g h i)perylene	540		33	ug/kg	590		36

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined total of both compounds

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Charles J Neslund B S
Group Leader GC/MS SVOA

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Analysis Report

LABORATORY CHRONICLE

Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202290
Collected 07/28/99 at 11 05 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
3TP02 SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/03/99 2317	Bryan J Polick
0819	Solid Sample Pesticide Extract	SW 846 3550B	1		07/31/99 0720	Ginelle L Haines
1225	TCL Pesticides in Solids	SW 846 8081A/8082	1		08/04/99 2051	Douglas D Seitz
0381	BNA Soil Extraction	SW 846 3550B	1		08/03/99 2000	Karen L Beyer
4688	TCL SW846 Semivolatiles Soil	SW 846 8270C	1		08/10/99 0231	Michele A Jarosick
4689	TCL SW846 Semivolatiles/Soil	SW 846 8270C	1		08/10/99 0231	Michele A Jarosick
1123	Cyanide (Reactivity)	SW 846 9012	1		08/05/99 2211	Venia M McFadden
0111	Moisture	EPA 160 3 modified	1		08/01/99 1929	Gabriel Agosto
0394	pH	SW 846 9045C (modified)	1		08/03/99 2200	Luz M Groff
0542	Ignitability	40 CFR 261 21	1		08/04/99 1130	Catherine L Cammauf
1121	Reactivity	SW 846 Chapter 7 3	1		08/05/99 0805	Susan E Hibner
1122	Sulfide (Reactivity)	SW 846 9034	1		08/05/99 0805	Susan E Hibner

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SP03TP02 Grab Soil Sample
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Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS		BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)			Batch E992151AA									
5444		Chloromethane										
2	ug/kg		N D		104	89	15	91			48	130
5446		Bromomethane										
3	ug/kg		N D		91	96	5	85			46	134
5445		Vinyl Chloride										
2	ug/kg		N D		96	93	3	91			60	127
5447		Chloroethane										
3	ug/kg		N D		92	101	10	85			30	142
5450		Methylene Chloride										
2	ug/kg		N D		86	89	2	99			69	126
6293		Acetone										
7	ug/kg		N D		91	103	13	91			46	133
6294		Carbon Disulfide										
3	ug/kg		N D		84	86	1	84			52	165
5449		1 1 Dichloroethene										
2	ug/kg		N D		104	102	2	98			69	146
5452		1 1 Dichloroethane										
1	ug/kg		N D		117	116	1	109			81	130
5455		Chloroform										
1	ug/kg		N D		114	112	1	108			82	123
5461		1 2 Dichloroethane										
2	ug/kg		N D		110	112	2	106			81	123
6296		2 Butanone										
7	ug/kg		N D		106	113	6	114			47	153
5457		1 1 1 Trichloroethane										
1	ug/kg		N D		126	127	1	112			84	132
5458		Carbon Tetrachloride										
1	ug/kg		N D		116	119	2	114			78	129
5465		Bromodichloromethane										
2	ug/kg		N D		109	109	0	105			80	121
5480		1 1 2 2 Tetrachloroethane										
1	ug/kg		N D		120	123	2	104			70	124
5463		1 2 Dichloropropane										
3	ug/kg		N D		110	113	2	107			77	127
6297		trans 1 3 Dichloropropene										
1	ug/kg		N D		106	114	7	101			69	131
5462		Trichloroethene										
1	ug/kg		N D		150	189	13	102			81	123
5470		Dibromochloromethane										
1	ug/kg		N D		114	119	5	107			80	120
5467		1 1 2 Trichloroethane										
2	ug/kg		N D		110	114	3	103			81	124
5460		Benzene										
1	ug/kg		N D		111	113	2	108			77	126
6298		cis 1 3 Dichloropropene										
1	ug/kg		N D		105	106	1	105			79	126

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SP03TP02 Grab Soil Sample
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Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478 Bromoform	1	ug/kg	N D		105	109	4	108			73	120
6299 4 Methyl 2 pentanone	3	ug/kg	N D		105	105	1	106			63	123
6300 2 Hexanone	3	ug/kg	N D		109	112	3	104			60	128
5468 Tetrachloroethene	1	ug/kg	N D		114	122	7	107			83	150
5466 Toluene	1	ug/kg	N D		112	115	3	104			74	128
5472 Chlorobenzene	1	ug/kg	N D		105	111	5	102			81	121
5474 Ethylbenzene	1	ug/kg	N D		109	113	4	106			86	129
5477 Styrene	1	ug/kg	N D		102	108	6	103			84	127
6301 Xylene (Total)	1	ug/kg	N D		107	111	4	106			88	128
5451 trans 1 2 Dichloroethene	2	ug/kg	N D		106	103	3	109			73	126
5454 cis 1 2 Dichloroethene	2	ug/kg	N D		114	114	0	109			84	123
1225 TCL Pesticides in Solids			Batch 992110011A									
1981 Alpha BHC	0 67	ug/kg	N D		84	85	1	102			38	156
1982 Beta BHC	0 67	ug/kg	N D		94	93	1	97			40	153
1983 Delta BHC	0 67	ug/kg	N D		76	76	0	97			44	145
1218 Gamma BHC Lindane	0 67	ug/kg	N D		84	83	1	102			51	142
1219 Heptachlor	0 67	ug/kg	N D		85	81	5	100			59	140
1220 Aldrin	0 67	ug/kg	N D		105	100	4	100			55	132
1984 Heptachlor Epoxide	0 67	ug/kg	N D		93	91	2	99			58	129
1989 Endosulfan I	0 67	ug/kg	N D		185	185	0	81			56	123
1222 Dieldrin	1 3	ug/kg	N D		86	85	1	90			63	133
1985 DDE	1 3	ug/kg	N D		102	101	1	101			47	159
1223 Endrin	1 3	ug/kg	N D		105	104	0	112			70	150
1990 Endosulfan II	1 3	ug/kg	N D		44	51	16	89			46	138

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SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1986 DDD											
1 3	ug/kg	N D		108	107	1	101			53	141
1991 Endosulfan Sulfate											
1 3	ug/kg	N D		88	84	5	108			40	150
1221 DDT											
1 3	ug/kg	N D		107	107	0	110			60	138
3017 Endrin Ketone											
1 3	ug/kg	N D		90	90	0	92			62	137
1859 Methoxychlor											
6 7	ug/kg	N D		132	124	6	128			52	174
3025 Alpha Chlordane											
0 67	ug/kg	N D		151	149	1	100			68	141
3026 Gamma Chlordane											
0 67	ug/kg	N D		100	97	2	97			65	129
1988 Toxaphene											
67	ug/kg	N D									
1992 Endrin Aldehyde											
1 3	ug/kg	N D		82	82	1	83			75	125
1993 PCB 1016											
33	ug/kg	N D									
1994 PCB 1221											
33	ug/kg	N D									
1995 PCB 1232											
33	ug/kg	N D									
1996 PCB 1242											
33	ug/kg	N D									
1997 PCB 1248											
33	ug/kg	N D									
1998 PCB 1254											
33	ug/kg	N D									
1999 PCB 1260											
33	ug/kg	N D									
4688 TCL SW846 Semivolatiles Soil		Batch 99215SLD026									
1185 Phenol											
67	ug/kg	N D		63	49	24	87			40	128
3753 bis(2 Chloroethyl)ether											
33	ug/kg	N D		58	42	32	91			38	131
1186 2 Chlorophenol											
33	ug/kg	N D		62	47	28	90			44	127
3754 1 3 Dichlorobenzene											
33	ug/kg	N D		44	28	44	87			31	121
1187 1 4 Dichlorobenzene											
33	ug/kg	N D		44	29	43	86			36	119
3755 1 2 Dichlorobenzene											
33	ug/kg	N D		48	31	42	88			39	120
4690 2 Methylphenol											
33	ug/kg	N D		61	48	25	89			42	127

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SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4691 2 2 oxybis(1 Chloropropane)											
33	ug/kg	N D		54	38	34	88			38	151
4692 4 Methylphenol											
67	ug/kg	N D		62	49	23	89			33	139
1188 N Nitroso di n propylamine											
67	ug/kg	N D		64	49	26	92			39	142
3757 Hexachloroethane											
33	ug/kg	N D		44	28	44	89			29	128
3758 Nitrobenzene											
33	ug/kg	N D		59	44	29	91			42	131
3759 Isophorone											
33	ug/kg	N D		61	47	25	89			46	130
3746 2 Nitrophenol											
67	ug/kg	N D		65	50	28	97			36	141
3747 2 4 Dimethylphenol											
67	ug/kg	N D		60	48	22	90			40	132
3760 bis(2 Chloroethoxy)methane											
67	ug/kg	N D		63	49	26	93			44	127
3748 2 4 Dichlorophenol											
67	ug/kg	N D		64	50	23	91			41	128
1189 1 2 4 Trichlorobenzene											
33	ug/kg	N D		54	39	32	92			44	121
3761 Naphthalene											
33	ug/kg	N D		55	41	31	89			34	133
4693 4 Chloroaniline											
33	ug/kg	N D		50	41	18	42			1	113
3762 Hexachlorobutadiene											
67	ug/kg	N D		52	36	36	92			39	133
1190 4 Chloro 3 methylphenol											
67	ug/kg	N D		65	52	22	93			47	135
4694 2 Methylnaphthalene											
33	ug/kg	N D		59	45	27	90			43	131
3763 Hexachlorocyclopentadiene											
170	ug/kg	N D		35	24	38	69			1	141
3749 2 4 6 Trichlorophenol											
67	ug/kg	N D		64	52	22	90			39	141
4695 2 4 5 Trichlorophenol											
67	ug/kg	N D		64	52	21	87			45	136
3764 2 Chloronaphthalene											
33	ug/kg	N D		64	51	23	92			48	127
4696 2 Nitroaniline											
33	ug/kg	N D		71	58	21	101			25	139
3766 Dimethylphthalate											
67	ug/kg	N D		67	55	21	95			53	127
3765 Acenaphthylene											
33	ug/kg	N D		62	50	21	89			44	126

4689 TCL SW846 Semivolatiles/Soil Batch 99215SLD026

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SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
4697 3 Nitroaniline											
67	ug/kg	N D		61	52	17	66			18	117
1191 Acenaphthene											
33	ug/kg	N D		63	51	21	91			47	127
3750 2 4 Dinitrophenol											
230	ug/kg	N D		35	26	29	55			1	133
1192 4 Nitrophenol											
170	ug/kg	N D		60	46	27	83			31	161
4698 Dibenzofuran											
33	ug/kg	N D		66	54	21	93			53	125
1193 2 4 Dinitrotoluene											
67	ug/kg	N D		67	54	21	95			50	131
3767 2 6 Dinitrotoluene											
33	ug/kg	N D		71	58	21	103			53	130
3770 Diethylphthalate											
67	ug/kg	N D		68	56	20	97			54	130
3769 4 Chlorophenyl phenylether											
33	ug/kg	N D		67	54	21	92			47	132
3768 Fluorene											
33	ug/kg	N D		65	53	20	92			42	142
4700 4 Nitroaniline											
67	ug/kg	N D		64	52	20	86			30	127
3751 4 6 Dinitro 2 methylphenol											
170	ug/kg	N D		52	37	33	76			14	143
3772 N Nitrosodiphenylamine											
33	ug/kg	N D		70	57	21	97			49	130
3773 4 Bromophenyl phenylether											
67	ug/kg	N D		70	57	22	96			53	132
3774 Hexachlorobenzene											
33	ug/kg	N D		70	56	22	95			40	144
1194 Pentachlorophenol											
170	ug/kg	N D		34	22	41	61			20	132
3775 Phenanthrene											
33	ug/kg	N D		69	45	30	94			42	141
3776 Anthracene											
33	ug/kg	N D		69	52	25	95			45	132
4702 Carbazole											
33	ug/kg	N D		70	55	23	94			48	129
3777 Di n butylphthalate											
67	ug/kg	N D		71	56	23	97			54	133
3778 Fluoranthene											
33	ug/kg	N D		64	36	33	92			37	142
1195 Pyrene											
33	ug/kg	N D		67	43	28	103			34	145
3780 Butylbenzylphthalate											
67	ug/kg	N D		72	59	21	104			47	138
3783 3 3 Dichlorobenzidine											
67	ug/kg	N D		58	50	15	69			2	132
3781 Benzo(a)anthracene											
33	ug/kg	N D		69	47	29	94			44	133

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SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
3784 bis(2 Ethylhexyl)phthalate											
67	ug/kg	N D		77	62	21	109			41	145
3782 Chrysene											
33	ug/kg	N D		69	47	29	96			42	136
3785 Di n octylphthalate											
67	ug/kg	N D		83	67	21	117			43	156
3786 Benzo(b)fluoranthene											
33	ug/kg	N D		63	45	24	94			35	140
3787 Benzo(k)fluoranthene											
33	ug/kg	N D		71	54	25	99			38	145
3788 Benzo(a)pyrene											
33	ug/kg	N D		67	50	23	98			38	141
3789 Indeno(1 2 3 cd)pyrene											
33	ug/kg	N D		66	53	20	98			30	153
3790 Dibenz(a h)anthracene											
33	ug/kg	N D		70	56	21	97			32	151
3791 Benzo(g h i)perylene											
33	ug/kg	N D		68	53	22	97			29	151
1123 Cyanide (Reactivity)		Batch 99217104201									
100	mg/kg	N D	0 (1)	3	2	37	105			88	121
0111 Moisture		Batch 992130091820002A									
0 50	% by wt		1				100	100	0	99	101
0394 pH		Batch 992150239039400A									
0 010			0				99	100	1	98	102
0542 Ignitability		Batch 992160286054200A									
1121 Reactivity		Batch 992170416112100A									
	see below										
1122 Sulfide (Reactivity)		Batch 992170416112100A									
39	mg/kg	N D	0 (1)	24	29	21	85			80	120

(1) The result for one or both determinations was less than five times the LOQ

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LLI Sample No 3202290
SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
1225 TCL Pesticides in Solids	TCX	106	30	163
	DCB	144	42	184
4688 TCL SW846 Semivolatiles Soil	Phenol d6	89	47	127
	2 Flphenol	88	47	126
	2 4 6 TBP	79	36	150
4689 TCL SW846 Semivolatiles/Soil	Nitrobz d5	83	45	128
	2 Fbiphnyl	87	49	123
	Tphenyld14	96	40	146
6292 TCL by 8260 (soil)	DBFM	110	80	120
	d4 1 2 DCA	106	80	120
	d8 toluene	107	81	117
	4 BFB	97	74	121

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AUG 30 1999

LLI Sample No TL 3202291
Collected 07/28/99 at 11 05 by MP

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

SP03TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

ENTERED IN DATABASE + hrcVUES
BY/DATE mcp 8/26/99
CHECKED BY NLN
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
1746	Barium	0 78	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0241 J	0 0058	mg/l
1755	Lead	0 029 J	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0020	0 00063	mg/l
7072	Zinc TR	0 055	0 0036	mg/l
0259	Mercury	N D	0 000042	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 47 01 D 0001 25 138873 676387
885 0 00 00013600 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

MEMBER ACIL
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Lancaster Laboratories is a subsidiary of Thermo TerraTech Inc a Thermo Electron Company
See reverse side for explanation of symbols and abbreviations

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Analysis Report

LABORATORY CHRONICLE

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LLI Sample No TL 3202291
Collected 07/28/99 at 11 05 by MP

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

SP03TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
1746	Barium	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
1751	Chromium	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
1753	Copper	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
1755	Lead	SW 846 6010B	1		08/13/99 0756	Brenda A Weaver
1766	Silver	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
5705	WW/TL SW 846 ICP Digest (tot)	SW 846 3010A	1		08/03/99 2139	Marie D Kimmel
7035	Arsenic TR	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
7036	Selenium TR	SW 846 6010B	1		08/16/99 0552	Donna R Sackett
7049	Cadmium TR	SW 846 6010B	1		08/13/99 0756	Brenda A Weaver
7072	Zinc TR	SW 846 6010B	1		08/11/99 0005	Donna R Sackett
0259	Mercury	SW 846 7470A	1		08/04/99 1709	Nelli S Markaryan
5713	WW SW846 Hg Digest	SW 846 7470A	1		08/03/99 2115	Nelli S Markaryan
0947	TCLP Non volatile Extraction	SW 846 1311	1		08/02/99 1500	James D Cowan

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LLI Sample No 3202291
SP03TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
1746 Barium			Batch 992155705003									
	0 0015	mg/l	N D	0 (1)	84	85	1	100			80	120
1751 Chromium			Batch 992155705003									
	0 0054	mg/l	N D	0 (1)	83	84	2	102			80	120
1753 Copper			Batch 992155705003									
	0 0058	mg/l	N D	3	85	85	0	99			80	120
1755 Lead			Batch 992155705003									
	0 023	mg/l	N D	0 (1)	82	83	1	100			80	120
1766 Silver			Batch 992155705003									
	0 0057	mg/l	N D	0 (1)	77	78	1	98			80	120
7035 Arsenic TR			Batch 992155705003									
	0 0070	mg/l	N D	2	81	81	0	97			80	120
7036 Selenium TR			Batch 992155705003									
	0 0059	mg/l	N D	0 (1)	84	82	2	100			80	120
7049 Cadmium TR			Batch 992155705003									
	0 00063	mg/l	N D	0 (1)	84	85	1	100			80	120
7072 Zinc TR			Batch 992155705003									
	0 0036	mg/l	N D	0 (1)	85	86	1	99			80	120
0259 Mercury			Batch 992155713003									
	0 000042	mg/l	N D	0 (1)	80	76	6	102			80	120

(1) The result for one or both determinations was less than five times the LOQ

Lancaster Laboratories
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LLI Sample No SW 3202292
Collected 07/29/99 by LAB

Account No 10160

Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

P O N99C403749 A
Rel YGQP9900241

Submitted 07/29/99 Reported 08/16/99
Discard 10/16/99

Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

ENTERED INTAB + ArcView
BY/DATE MCP 8/20/99
CHECKED BY MLM
DATE 8-27-99

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
6292	TCL by 8260 (soil)		See Page 2	

1 COPY TO Leggette Brashears & Graham ATTN Mr Ken Vogel

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300
21 47 21 D 0001 25 138873 676387
885 0 00 00000000 ASR000

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

MEMBER ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster PA 17605 2425
717-656 2300 Fax 717 656 2681

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See reverse side for explanation of symbols and abbreviations

Lancaster Laboratories
Where quality is a science

LLI Sample No SW 3202292
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PO Box 537933
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Rel YGQP9900241

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Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

CAT NO	ANALYSIS NAME	AS RECEIVED RESULTS	METHOD DETECTION LIMIT	UNITS
TCL by 8260 (soil)				
5444	Chloromethane	N D	2	ug/l
5446	Bromomethane	N D	3	ug/l
5445	Vinyl Chloride	N D	2	ug/l
5447	Chloroethane	N D	3	ug/l
5450	Methylene Chloride	N D	2	ug/l
6293	Acetone	N D	7	ug/l
6294	Carbon Disulfide	N D	3	ug/l
5449	1 1 Dichloroethene	N D	2	ug/l
5452	1 1 Dichloroethane	N D	1	ug/l
5455	Chloroform	N D	1	ug/l
5461	1 2 Dichloroethane	N D	2	ug/l
6296	2 Butanone	N D	7	ug/l
5457	1 1 1 Trichloroethane	N D	1	ug/l
5458	Carbon Tetrachloride	N D	1	ug/l
5465	Bromodichloromethane	N D	2	ug/l
5480	1 1 2 2 Tetrachloroethane	N D	1	ug/l
5463	1 2 Dichloropropane	N D	3	ug/l
6297	trans 1 3 Dichloropropene	N D	1	ug/l
5462	Trichloroethene	N D	1	ug/l
5470	Dibromochloromethane	N D	1	ug/l
5467	1 1 2 Trichloroethane	N D	2	ug/l
5460	Benzene	N D	1	ug/l
6298	cis 1 3 Dichloropropene	N D	1	ug/l
5478	Bromoform	N D	1	ug/l
6299	4 Methyl 2 pentanone	N D	3	ug/l
6300	2 Hexanone	N D	3	ug/l
5468	Tetrachloroethene	N D	1	ug/l
5466	Toluene	N D	1	ug/l
5472	Chlorobenzene	N D	1	ug/l
5474	Ethylbenzene	N D	1	ug/l
5477	Styrene	N D	1	ug/l
6301	Xylene (Total)	N D	1	ug/l
5451	trans 1 2 Dichloroethene	N D	2	ug/l
5454	cis 1 2 Dichloroethene	N D	2	ug/l

Questions? Contact your Client Services Representative
Kathy Klinefelter at (717) 656 2300

Respectfully Submitted
Duane A Luckenbill B S
Group Leader GC/MS Volatiles

&&&

Analysis Report
LABORATORY CHRONICLE

Lancaster Laboratories
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LLI Sample No SW 3202292
Collected 07/29/99 by LAB

Submitted 07/29/99

Account No 10160
Chrysler Corporation
PO Box 537933
Livonia MI 48153 7933

Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH
SBL SDG#

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID	DATE AND TIME	ANALYST
6292	TCL by 8260 (soil)	SW 846 8260B	1		08/04/99 0250	John W Smith

Lancaster Laboratories
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LLI Sample No 3202292
Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SAMPLE MDL	SAMPLE UNITS		BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
6292 TCL by 8260 (soil)			Batch E992151AB									
5444		Chloromethane										
2	ug/l		N D		104	89	15	91			48	130
5446		Bromomethane										
3	ug/l		N D		91	96	5	85			46	134
5445		Vinyl Chloride										
2	ug/l		N D		96	93	3	91			60	127
5447		Chloroethane										
3	ug/l		N D		92	101	10	85			30	142
5450		Methylene Chloride										
2	ug/l		N D		86	89	2	99			69	126
6293		Acetone										
7	ug/l		N D		91	103	13	91			46	133
6294		Carbon Disulfide										
3	ug/l		N D		84	86	1	84			52	165
5449		1 1 Dichloroethene										
2	ug/l		N D		104	102	2	98			69	146
5452		1 1 Dichloroethane										
1	ug/l		N D		117	116	1	109			81	130
5455		Chloroform										
1	ug/l		N D		114	112	1	108			82	123
5461		1 2 Dichloroethane										
2	ug/l		N D		110	112	2	106			81	123
6296		2 Butanone										
7	ug/l		N D		106	113	6	114			47	153
5457		1 1 1 Trichloroethane										
1	ug/l		N D		126	127	1	112			84	132
5458		Carbon Tetrachloride										
1	ug/l		N D		116	119	2	114			78	129
5465		Bromodichloromethane										
2	ug/l		N D		109	109	0	105			80	121
5480		1 1 2 2 Tetrachloroethane										
1	ug/l		N D		120	123	2	104			70	124
5463		1 2 Dichloropropane										
3	ug/l		N D		110	113	2	107			77	127
6297		trans 1 3 Dichloropropene										
1	ug/l		N D		106	114	7	101			69	131
5462		Trichloroethene										
1	ug/l		N D		150	189	13	102			81	123
5470		Dibromochloromethane										
1	ug/l		N D		114	119	5	107			80	120
5467		1 1 2 Trichloroethane										
2	ug/l		N D		110	114	3	103			81	124
5460		Benzene										
1	ug/l		N D		111	113	2	108			77	126
6298		cis 1 3 Dichloropropene										
1	ug/l		N D		105	106	1	105			79	126

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LLI Sample No 3202292
Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS DUP	LCS RPD	LCS LIMITS LOW	LCS LIMITS HIGH
5478	Bromoform											
	1	ug/l	N D		105	109	4	108			73	120
6299	4 Methyl 2 pentanone											
	3	ug/l	N D		105	105	1	106			63	123
6300	2 Hexanone											
	3	ug/l	N D		109	112	3	104			60	128
5468	Tetrachloroethene											
	1	ug/l	N D		114	122	7	107			83	150
5466	Toluene											
	1	ug/l	N D		112	115	3	104			74	128
5472	Chlorobenzene											
	1	ug/l	N D		105	111	5	102			81	121
5474	Ethylbenzene											
	1	ug/l	N D		109	113	4	106			86	129
5477	Styrene											
	1	ug/l	N D		102	108	6	103			84	127
6301	Xylene (Total)											
	1	ug/l	N D		107	111	4	106			88	128
5451	trans 1 2 Dichloroethene											
	2	ug/l	N D		106	103	3	109			73	126
5454	cis 1 2 Dichloroethene											
	2	ug/l	N D		114	114	0	109			84	123

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LLI Sample No 3202292
Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

Group No 676387
Chrysler Corporation

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY %	SURROGATE LIMITS LOW	HIGH
6292 TCL by 8260 (soil)		DBFM	105	80	120
		d4 1 2 DCA	97	80	120
		d8 toluene	101	81	117
		4 BFB	97	74	121

+ ArcView
ENTERED IN DATABASE
BY/DATE MCP 8/17/99
CHECKED BY MLA
DATE 8-18-99

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Where quality is a science

FAX Cover Page

Pages: 63

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2425 New Holland Pike
Lancaster, PA 17605-2425

Phone 717-656-2300
FAX 717-656-2681

Deliver to Mr Ken Vogel/Mike Plante

Company CHRYSLER CORPORATION

Fax # 16514901006

From Kathy Klinefelter Ext 1566

Message

Fax Code CHR676387 3202268-3202292 10160 885 232 Mr Ken Vogel/Mike Planmsg

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202268 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	14 7	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	8 00	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below	1 0	See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 8 00 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide

=========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202268 Account 10160 CHRYSLER CORPORATION

1122	Sulfide (Reactivity)	N D	39	mg/kg

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

==========

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

==========

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 79
1982	Beta BHC	N D		0 67	ug/kg	N D		0 79
1983	Delta BHC	N D		0 67	ug/kg	N D		0 79
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 79
1219	Heptachlor	N D		0 67	ug/kg	N D		0 79
1220	Aldrin	N D		0 67	ug/kg	N D		0 79
1984	Heptachlor Epoxide	1 27	J	0 67	ug/kg	1 49	J	0 79
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 79
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	N D		1 3	ug/kg	N D		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	N D		1 3	ug/kg	N D		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	30 8	J	6 7	ug/kg	36 1	J	7 9
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 79
3026	Gamma Chlordane	1 50	J	0 67	ug/kg	1 76	J	0 79
1988	Toxaphene	N D		67	ug/kg	N D		79
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 5
1993	PCB 1016	N D		33	ug/kg	N D		39
1994	PCB 1221	N D		33	ug/kg	N D		39
1995	PCB 1232	N D		33	ug/kg	N D		39
1996	PCB 1242	N D		33	ug/kg	N D		39
1997	PCB 1248	N D		33	ug/kg	N D		39
1998	PCB 1254	N D		33	ug/kg	N D		39
1999	PCB 1260	N D		33	ug/kg	N D		39

==========

4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202268 Account 10160 CHRYSLER CORPORATION

1185	Phenol	N D		67	ug/kg	N D		79
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		39
1186	2 Chlorophenol	N D		33	ug/kg	N D		39
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		39
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		39
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		39
4690	2 Methylphenol	N D		33	ug/kg	N D		39
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		39
4692	4 Methylphenol	N D		67	ug/kg	N D		79
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		39
3757	Hexachloroethane	N D		33	ug/kg	N D		39
3758	Nitrobenzene	N D		33	ug/kg	N D		39
3759	Isophorone	N D		33	ug/kg	N D		39
3746	2 Nitrophenol	N D		67	ug/kg	N D		79
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		79
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		79
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		79
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		39
3761	Naphthalene	N D		33	ug/kg	N D		39
4693	4 Chloroaniline	N D		33	ug/kg	N D		39
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		79
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		79
4694	2 Methylnaphthalene	N D		33	ug/kg	N D		39
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		200
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		79
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		79
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		39
4696	2 Nitroaniline	N D		33	ug/kg	N D		39
3766	Dimethylphthalate	N D		67	ug/kg	N D		79
3765	Acenaphthylene	N D		33	ug/kg	N D		39

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		79
1191	Acenaphthene	39	J	33	ug/kg	46	J	39
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		270
1192	4 Nitrophenol	N D		170	ug/kg	N D		200
4698	Dibenzofuran	N D		33	ug/kg	N D		39
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		79
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		39
3770	Diethylphthalate	N D		67	ug/kg	N D		79
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		39
3768	Fluorene	48	J	33	ug/kg	56	J	39

4700	4 Nitroaniline	N D		67	ug/kg	N D	79

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202268 Account 10160 CHRYSLER CORPORATION

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		39
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		79
3774	Hexachlorobenzene	N D		33	ug/kg	N D		39
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	710		33	ug/kg	830		39
3776	Anthracene	200	J	33	ug/kg	230	J	39
4702	Carbazole	87	J	33	ug/kg	100	J	39
3777	Di n butylphthalate	N D		67	ug/kg	N D		79
3778	Fluoranthene	1 200		33	ug/kg	1 400		39
1195	Pyrene	1 100		33	ug/kg	1 200		39
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		79
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		79
3781	Benzo(a)anthracene	580		33	ug/kg	680		39
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		79
3782	Chrysene	580		33	ug/kg	680		39
3785	Di n octylphthalate	N D		67	ug/kg	N D		79
3786	Benzo(b)fluoranthene	560		33	ug/kg	660		39
3787	Benzo(k)fluoranthene	240	J	33	ug/kg	280	J	39
3788	Benzo(a)pyrene	400		33	ug/kg	470		39
3789	Indeno(1 2 3 cd)pyrene	250	J	33	ug/kg	290	J	39
3790	Dibenz(a h)anthracene	75	J	33	ug/kg	88	J	39
3791	Benzo(g h i)perylene	210	J	33	ug/kg	250	J	39

==========

6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		4
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		4
5450	Methylene Chloride	9		2	ug/kg	10		2
6293	Acetone	17	J	7	ug/kg	19	J	8
6294	Carbon Disulfide	N D		3	ug/kg	N D		4
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	9		1	ug/kg	11		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	2	J	1	ug/kg	2	J	1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		4
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	27		1	ug/kg	32		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1

5478	Bromoform	N D		1	ug/kg	N D		1

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202268 Account 10160 CHRYSLER CORPORATION

6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		4
6300	2 Hexanone	N D		3	ug/kg	N D		4
5468	Tetrachloroethene	2	J	1	ug/kg	2	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	10		2	ug/kg	11		2

==========

Sample Number TL3202269 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 52	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	N D	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0074 J	0 0059	mg/l
7049	Cadmium TR	0 0020	0 00063	mg/l
7072	Zinc TR	0 050	0 0036	mg/l

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2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202270 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202270 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	14 7	0 50	% by wt		

*Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	8 07	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 8 07 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1122	Sulfide (Reactivity)	N D	39	mg/kg		

The relative percent difference (RPD) between the MS and MSD on the

atch associated with this sample was 21% The acceptable RPD for this

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analysis is 20% The MS and MSD were both within specifications
==========

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids
This analysis was performed at a 10x dilution of the original sample

Due to the nature of the sample matrix a dilution of the sample was used
for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix
problems evident in the sample chromatogram
==========

1981	Alpha BHC	N D	0 67	ug/kg	N D	0 79
1982	Beta BHC	N D	0 67	ug/kg	N D	0 79
1983	Delta BHC	N D	0 67	ug/kg	N D	0 79
1218	Gamma BHC Lindane	N D	0 67	ug/kg	N D	0 79
1219	Heptachlor	N D	0 67	ug/kg	N D	0 79
1220	Aldrin	N D	0 67	ug/kg	N D	0 79
1984	Heptachlor Epoxide	N D	0 67	ug/kg	N D	0 79
1989	Endosulfan I	N D	0 67	ug/kg	N D	0 79
1222	Dieldrin	N D	1 3	ug/kg	N D	1 5
1985	DDE	N D	1 3	ug/kg	N D	1 5
1223	Endrin	N D	1 3	ug/kg	N D	1 5
1990	Endosulfan II	N D	1 3	ug/kg	N D	1 5
1986	DDD	N D	1 3	ug/kg	N D	1 5
1991	Endosulfan Sulfate	N D	1 3	ug/kg	N D	1 5
1221	DDT	N D	1 3	ug/kg	N D	1 5
3017	Endrin Ketone	N D	1 3	ug/kg	N D	1 5
1859	Methoxychlor	N D	6 7	ug/kg	N D	7 9
3025	Alpha Chlordane	N D	0 67	ug/kg	N D	0 79
3026	Gamma Chlordane	N D	0 67	ug/kg	N D	0 79
1988	Toxaphene	N D	67	ug/kg	N D	79
1992	Endrin Aldehyde	N D	1 3	ug/kg	N D	1 5
1993	PCB 1016	N D	33	ug/kg	N D	39
1994	PCB 1221	N D	33	ug/kg	N D	39
1995	PCB 1232	N D	33	ug/kg	N D	39
1996	PCB 1242	N D	33	ug/kg	N D	39
1997	PCB 1248	N D	33	ug/kg	N D	39
1998	PCB 1254	N D	33	ug/kg	N D	39
1999	PCB 1260	N D	33	ug/kg	N D	39

==========

4688 TCL SW846 Semivolatiles Soil
3 Methylphenol and 4 methylphenol cannot be resolved under the
chromatographic conditions used for sample analysis The result reported
for 4 methylphenol represents the combined total of both compounds
==========

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1185	Phenol	N D	67	ug/kg	N D	79
3753	bis(2 Chloroethyl)ether	N D	33	ug/kg	N D	39
1186	2 Chlorophenol	N D	33	ug/kg	N D	39
3754	1 3 Dichlorobenzene	N D	33	ug/kg	N D	39
1187	1 4 Dichlorobenzene	N D	33	ug/kg	N D	39
3755	1 2 Dichlorobenzene	N D	33	ug/kg	N D	39
4690	2 Methylphenol	N D	33	ug/kg	N D	39
4691	2 2 oxybis(1 Chloropropane)	N D	33	ug/kg	N D	39
4692	4 Methylphenol	N D	67	ug/kg	N D	79
1188	N Nitroso di n propylamine	N D	33	ug/kg	N D	39
3757	Hexachloroethane	N D	33	ug/kg	N D	39
3758	Nitrobenzene	N D	33	ug/kg	N D	39
3759	Isophorone	N D	33	ug/kg	N D	39
3746	2 Nitrophenol	N D	67	ug/kg	N D	79
3747	2 4 Dimethylphenol	N D	67	ug/kg	N D	79
3760	bis(2 Chloroethoxy)methane	N D	67	ug/kg	N D	79
3748	2 4 Dichlorophenol	N D	67	ug/kg	N D	79
1189	1 2 4 Trichlorobenzene	N D	33	ug/kg	N D	39
3761	Naphthalene	N D	33	ug/kg	N D	39
4693	4 Chloroaniline	N D	33	ug/kg	N D	39
3762	Hexachlorobutadiene	N D	67	ug/kg	N D	79
1190	4 Chloro 3 methylphenol	N D	67	ug/kg	N D	79
4694	2 Methylnaphthalene	N D	33	ug/kg	N D	39
3763	Hexachlorocyclopentadiene	N D	170	ug/kg	N D	200
3749	2 4 6 Trichlorophenol	N D	67	ug/kg	N D	79
4695	2 4 5 Trichlorophenol	N D	67	ug/kg	N D	79
3764	2 Chloronaphthalene	N D	33	ug/kg	N D	39
4696	2 Nitroaniline	N D	33	ug/kg	N D	39
3766	Dimethylphthalate	N D	67	ug/kg	N D	79
3765	Acenaphthylene	N D	33	ug/kg	N D	39

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds
==========

4697	3 Nitroaniline	N D	67	ug/kg	N D	79
1191	Acenaphthene	N D	33	ug/kg	N D	39
3750	2 4 Dinitrophenol	N D	230	ug/kg	N D	270
1192	4 Nitrophenol	N D	170	ug/kg	N D	200
4698	Dibenzofuran	N D	33	ug/kg	N D	39
1193	2 4 Dinitrotoluene	N D	67	ug/kg	N D	79
3767	2 6 Dinitrotoluene	N D	33	ug/kg	N D	39
3770	Diethylphthalate	N D	67	ug/kg	N D	79
3769	4 Chlorophenyl phenylether	N D	33	ug/kg	N D	39
3768	Fluorene	N D	33	ug/kg	N D	39
4700	4 Nitroaniline	N D	67	ug/kg	N D	79

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200

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Sample Number SW3202270 Account 10160 CHRYSLER CORPORATION

3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		39
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		79
3774	Hexachlorobenzene	N D		33	ug/kg	N D		39
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	140	J	33	ug/kg	170	J	39
3776	Anthracene	N D		33	ug/kg	N D		39
4702	Carbazole	N D		33	ug/kg	N D		39
3777	Di n butylphthalate	N D		67	ug/kg	N D		79
3778	Fluoranthene	240	J	33	ug/kg	280	J	39
1195	Pyrene	220	J	33	ug/kg	260	J	39
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		79
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		79
3781	Benzo(a)anthracene	130	J	33	ug/kg	150	J	39
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		79
3782	Chrysene	120	J	33	ug/kg	140	J	39
3785	Di n octylphthalate	N D		67	ug/kg	N D		79
3786	Benzo(b)fluoranthene	150	J	33	ug/kg	180	J	39
3787	Benzo(k)fluoranthene	65	J	33	ug/kg	77	J	39
3788	Benzo(a)pyrene	110	J	33	ug/kg	130	J	39
3789	Indeno(1 2 3 cd)pyrene	75	J	33	ug/kg	88	J	39
3790	Dibenz(a h)anthracene	N D		33	ug/kg	N D		39
3791	Benzo(g h i)perylene	67	J	33	ug/kg	79	J	39

==========

6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		4
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		4
5450	Methylene Chloride	3	J	2	ug/kg	3	J	2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		4
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	2	J	1	ug/kg	2	J	1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	1	J	1	ug/kg	2	J	1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		4
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	5	J	1	ug/kg	5	J	1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1

6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D		4

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Sample Number SW3202270 Account 10160 CHRYSLER CORPORATION

6300	2 Hexanone	N D		3	ug/kg	N D		4
5468	Tetrachloroethene	1	J	1	ug/kg	2	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

==========

Sample Number TL3202271 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 48		0 0015	mg/l
1751	Chromium	0 0107	J	0 0054	mg/l
1753	Copper	0 0089	J	0 0058	mg/l
1755	Lead	N D		0 023	mg/l
1766	Silver	N D		0 0057	mg/l
7035	Arsenic TR	N D		0 0070	mg/l
7036	Selenium TR	N D		0 0059	mg/l
7049	Cadmium TR	0 0018		0 00063	mg/l
7072	Zinc TR	0 030		0 0036	mg/l

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	14 4	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius

==========

0394	pH	7 59	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min

==========

0496	Corrosivity	See Below	1 0	See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 59 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5

==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus

==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide

=========

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION

1122	Sulfide (Reactivity)	N D	39	mg/kg

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

==========

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

==========

1981	Alpha BHC	N D	0 67	ug/kg	N D	0 78
1982	Beta BHC	N D	0 67	ug/kg	N D	0 78
1983	Delta BHC	N D	0 67	ug/kg	N D	0 78
1218	Gamma BHC Lindane	N D	0 67	ug/kg	N D	0 78
1219	Heptachlor	N D	0 67	ug/kg	N D	0 78
1220	Aldrin	N D	0 67	ug/kg	N D	0 78
1984	Heptachlor Epoxide	N D	0 67	ug/kg	N D	0 78
1989	Endosulfan I	N D	0 67	ug/kg	N D	0 78
1222	Dieldrin	N D	1 3	ug/kg	N D	1 5
1985	DDE	N D	1 3	ug/kg	N D	1 5
1223	Endrin	N D	1 3	ug/kg	N D	1 5
1990	Endosulfan II	N D	1 3	ug/kg	N D	1 5
1986	DDD	N D	1 3	ug/kg	N D	1 5
1991	Endosulfan Sulfate	N D	1 3	ug/kg	N D	1 5
1221	DDT	3 7 J	1 3	ug/kg	4 3 J	1 5
3017	Endrin Ketone	N D	1 3	ug/kg	N D	1 5
1859	Methoxychlor	50	6 7	ug/kg	58	7 8
3025	Alpha Chlordane	N D	0 67	ug/kg	N D	0 78
3026	Gamma Chlordane	N D	0 67	ug/kg	N D	0 78
1988	Toxaphene	N D	67	ug/kg	N D	78
1992	Endrin Aldehyde	N D	1 3	ug/kg	N D	1 5
1993	PCB 1016	N D	33	ug/kg	N D	39
1994	PCB 1221	N D	33	ug/kg	N D	39
1995	PCB 1232	N D	33	ug/kg	N D	39
1996	PCB 1242	N D	33	ug/kg	N D	39
1997	PCB 1248	N D	33	ug/kg	N D	39
1998	PCB 1254	N D	33	ug/kg	N D	39
1999	PCB 1260	N D	33	ug/kg	N D	39

==========

4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION

1185	Phenol	N D	67	ug/kg	N D	78
3753	bis(2 Chloroethyl)ether	N D	33	ug/kg	N D	39
1186	2 Chlorophenol	N D	33	ug/kg	N D	39
3754	1 3 Dichlorobenzene	N D	33	ug/kg	N D	39
1187	1 4 Dichlorobenzene	N D	33	ug/kg	N D	39
3755	1 2 Dichlorobenzene	N D	33	ug/kg	N D	39
4690	2 Methylphenol	N D	33	ug/kg	N D	39
4691	2 2 oxybis(1 Chloropropane)	N D	33	ug/kg	N D	39
4692	4 Methylphenol	N D	67	ug/kg	N D	78
1188	N Nitroso di n propylamine	N D	33	ug/kg	N D	39
3757	Hexachloroethane	N D	33	ug/kg	N D	39
3758	Nitrobenzene	N D	33	ug/kg	N D	39
3759	Isophorone	N D	33	ug/kg	N D	39
3746	2 Nitrophenol	N D	67	ug/kg	N D	78
3747	2 4 Dimethylphenol	N D	67	ug/kg	N D	78
3760	bis(2 Chloroethoxy)methane	N D	67	ug/kg	N D	78
3748	2 4 Dichlorophenol	N D	67	ug/kg	N D	78
1189	1 2 4 Trichlorobenzene	N D	33	ug/kg	N D	39
3761	Naphthalene	N D	33	ug/kg	N D	39
4693	4 Chloroaniline	N D	33	ug/kg	N D	39
3762	Hexachlorobutadiene	N D	67	ug/kg	N D	78
1190	4 Chloro 3 methylphenol	N D	67	ug/kg	N D	78
4694	2 Methylnaphthalene	N D	33	ug/kg	N D	39
3763	Hexachlorocyclopentadiene	N D	170	ug/kg	N D	200
3749	2 4 6 Trichlorophenol	N D	67	ug/kg	N D	78
4695	2 4 5 Trichlorophenol	N D	67	ug/kg	N D	78
3764	2 Chloronaphthalene	N D	33	ug/kg	N D	39
4696	2 Nitroaniline	N D	33	ug/kg	N D	39
3766	Dimethylphthalate	N D	67	ug/kg	N D	78
3765	Acenaphthylene	N D	33	ug/kg	N D	39

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D	67	ug/kg	N D	78
1191	Acenaphthene	N D	33	ug/kg	N D	39
3750	2 4 Dinitrophenol	N D	230	ug/kg	N D	270
1192	4 Nitrophenol	N D	170	ug/kg	N D	200
4698	Dibenzofuran	N D	33	ug/kg	N D	39
1193	2 4 Dinitrotoluene	N D	67	ug/kg	N D	78
3767	2 6 Dinitrotoluene	N D	33	ug/kg	N D	39
3770	Diethylphthalate	N D	67	ug/kg	N D	78
3769	4 Chlorophenyl phenylether	N D	33	ug/kg	N D	39
3768	Fluorene	N D	33	ug/kg	N D	39

4700	4 Nitroaniline	N D		67	ug/kg	N D		78

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		39
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		78
3774	Hexachlorobenzene	N D		33	ug/kg	N D		39
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	280	J	33	ug/kg	320	J	39
3776	Anthracene	65	J	33	ug/kg	76	J	39
4702	Carbazole	N D		33	ug/kg	N D		39
3777	Di n butylphthalate	N D		67	ug/kg	N D		78
3778	Fluoranthene	450		33	ug/kg	520		39
1195	Pyrene	400		33	ug/kg	470		39
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		78
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		78
3781	Benzo(a)anthracene	260	J	33	ug/kg	300	J	39
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		78
3782	Chrysene	270	J	33	ug/kg	310	J	39
3785	Di n octylphthalate	N D		67	ug/kg	N D		78
3786	Benzo(b)fluoranthene	270	J	33	ug/kg	320	J	39
3787	Benzo(k)fluoranthene	120	J	33	ug/kg	140	J	39
3788	Benzo(a)pyrene	190	J	33	ug/kg	220	J	39
3789	Indeno(1 2 3 cd)pyrene	120	J	33	ug/kg	140	J	39
3790	Dibenz(a h)anthracene	34	J	33	ug/kg	40	J	39
3791	Benzo(g h i)perylene	100	J	33	ug/kg	120	J	39

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		4
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		4
5450	Methylene Chloride	8		2	ug/kg	9		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		4
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		4
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	10		1	ug/kg	12		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1

5478	Bromoform	N D	1	ug/kg	N D	1

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Sample Number SW3202272 Account 10160 CHRYSLER CORPORATION

6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	4
6300	2 Hexanone	N D	3	ug/kg	N D	4
5468	Tetrachloroethene	N D	1	ug/kg	N D	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

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Sample Number TL3202273 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP03 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 57	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	N D	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0060 J	0 0059	mg/l
7049	Cadmium TR	0 0024	0 00063	mg/l
7072	Zinc TR	0 071	0 0036	mg/l

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Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	15 8	0 50	% by wt		

*Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	7 86	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below	1 0	See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 86 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1122	Sulfide (Reactivity)	N D	39	mg/kg		

The relative percent difference (RPD) between the MS and MSD on the

atch associated with this sample was 21% The acceptable RPD for this

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Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION

analysis is 20% The MS and MSD were both within specifications
==========

1123	Cyanide (Reactivity)	N D		100	mg/kg		

1225 TCL Pesticides in Solids
Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample
==========

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 80
1982	Beta BHC	N D		0 67	ug/kg	N D		0 80
1983	Delta BHC	N D		0 67	ug/kg	N D		0 80
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 80
1219	Heptachlor	N D		0 67	ug/kg	N D		0 80
1220	Aldrin	N D		0 67	ug/kg	N D		0 80
1984	Heptachlor Epoxide	1 69	J	0 67	ug/kg	2 00	J	0 80
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 80
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	1 7	J	1 3	ug/kg	2 1	J	1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	N D		1 3	ug/kg	N D		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	15 1		1 3	ug/kg	17 9		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	13 5	J	6 7	ug/kg	16 0	J	8 0
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 80
3026	Gamma Chlordane	N D		0 67	ug/kg	N D		0 80
1988	Toxaphene	N D		67	ug/kg	N D		80
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 5
1993	PCB 1016	N D		33	ug/kg	N D		39
1994	PCB 1221	N D		33	ug/kg	N D		39
1995	PCB 1232	N D		33	ug/kg	N D		39
1996	PCB 1242	N D		33	ug/kg	N D		39
1997	PCB 1248	N D		33	ug/kg	N D		39
1998	PCB 1254	N D		33	ug/kg	N D		39
1999	PCB 1260	N D		33	ug/kg	N D		39

==========

4688 TCL SW846 Semivolatiles Soil
3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds
==========

1185	Phenol	N D		67	ug/kg	N D		80
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		39

1186	2 Chlorophenol	N D		33	ug/kg	N D	39

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Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION

3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		39
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		39
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		39
4690	2 Methylphenol	N D		33	ug/kg	N D		39
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		39
4692	4 Methylphenol	N D		67	ug/kg	N D		80
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		39
3757	Hexachloroethane	N D		33	ug/kg	N D		39
3758	Nitrobenzene	N D		33	ug/kg	N D		39
3759	Isophorone	N D		33	ug/kg	N D		39
3746	2 Nitrophenol	N D		67	ug/kg	N D		80
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		80
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		80
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		80
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		39
3761	Naphthalene	96	J	33	ug/kg	110	J	39
4693	4 Chloroaniline	N D		33	ug/kg	N D		39
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		80
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		80
4694	2 Methylnaphthalene	40	J	33	ug/kg	48	J	39
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		200
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		80
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		80
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		39
4696	2 Nitroaniline	N D		33	ug/kg	N D		39
3766	Dimethylphthalate	N D		67	ug/kg	N D		80
3765	Acenaphthylene	76	J	33	ug/kg	90	J	39

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		80
1191	Acenaphthene	49	J	33	ug/kg	58	J	39
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		270
1192	4 Nitrophenol	N D		170	ug/kg	N D		200
4698	Dibenzofuran	69	J	33	ug/kg	82	J	39
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		80
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		39
3770	Diethylphthalate	N D		67	ug/kg	N D		80
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		39
3768	Fluorene	94	J	33	ug/kg	110	J	39
4700	4 Nitroaniline	N D		67	ug/kg	N D		80
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		39
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		80

3774	Hexachlorobenzene	N D		33	ug/kg	N D	39

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Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION

1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	730		33	ug/kg	860		39
3776	Anthracene	220	J	33	ug/kg	260	J	39
4702	Carbazole	82	J	33	ug/kg	97	J	39
3777	Di n butylphthalate	N D		67	ug/kg	N D		80
3778	Fluoranthene	1 100		33	ug/kg	1 300		39
1195	Pyrene	970		33	ug/kg	1 200		39
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		80
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		80
3781	Benzo(a)anthracene	560		33	ug/kg	660		39
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		80
3782	Chrysene	530		33	ug/kg	640		39
3785	Di n octylphthalate	N D		67	ug/kg	N D		80
3786	Benzo(b)fluoranthene	690		33	ug/kg	820		39
3787	Benzo(k)fluoranthene	290	J	33	ug/kg	340	J	39
3788	Benzo(a)pyrene	520		33	ug/kg	620		39
3789	Indeno(1 2 3 cd)pyrene	400		33	ug/kg	480		39
3790	Dibenz(a h)anthracene	100	J	33	ug/kg	120	J	39
3791	Benzo(g h i)perylene	340		33	ug/kg	400		39

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		4
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		4
5450	Methylene Chloride	10		2	ug/kg	11		2
6293	Acetone	15	J	7	ug/kg	18	J	8
6294	Carbon Disulfide	N D		3	ug/kg	N D		4
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		4
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	3	J	1	ug/kg	4	J	1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		4
6300	2 Hexanone	N D		3	ug/kg	N D		4
5468	Tetrachloroethene	N D		1	ug/kg	N D		1

5466	Toluene	N D	1	ug/kg	N D	1

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Sample Number SW3202274 Account 10160 CHRYSLER CORPORATION

5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	7	2	ug/kg	8	2

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Sample Number TL3202275 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP04 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	0 000069J	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

========--

1746	Barium	0 65	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0111 J	0 0058	mg/l
1755	Lead	0 028 J	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0024	0 00063	mg/l
7072	Zinc TR	0 167	0 0036	mg/l

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Sample Number SW3202276 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	14 1	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius

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0394	pH	7 76	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min

==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 76 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5

==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus

==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide

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Sample Number SW3202276 Account 10160 CHRYSLER CORPORATION

1122	Sulfide (Reactivity)	N D	39	mg/kg

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 78
1982	Beta BHC	N D		0 67	ug/kg	N D		0 78
1983	Delta BHC	N D		0 67	ug/kg	N D		0 78
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 78
1219	Heptachlor	N D		0 67	ug/kg	N D		0 78
1220	Aldrin	N D		0 67	ug/kg	N D		0 78
1984	Heptachlor Epoxide	N D		0 67	ug/kg	N D		0 78
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 78
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	N D		1 3	ug/kg	N D		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	N D		1 3	ug/kg	N D		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	8 0	J	6 7	ug/kg	9 3	J	7 8
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 78
3026	Gamma Chlordane	N D		0 67	ug/kg	N D		0 78
1988	Toxaphene	N D		67	ug/kg	N D		78
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 5
1993	PCB 1016	N D		33	ug/kg	N D		38
1994	PCB 1221	N D		33	ug/kg	N D		38
1995	PCB 1232	N D		33	ug/kg	N D		38
1996	PCB 1242	N D		33	ug/kg	N D		38
1997	PCB 1248	N D		33	ug/kg	N D		38
1998	PCB 1254	N D		33	ug/kg	N D		38
1999	PCB 1260	N D		33	ug/kg	N D		38

4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

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Sample Number SW3202276 Account 10160 CHRYSLER CORPORATION

1185	Phenol	N D	67	ug/kg	N D	78
3753	bis(2 Chloroethyl)ether	N D	33	ug/kg	N D	38
1186	2 Chlorophenol	N D	33	ug/kg	N D	38
3754	1 3 Dichlorobenzene	N D	33	ug/kg	N D	38
1187	1 4 Dichlorobenzene	N D	33	ug/kg	N D	38
3755	1 2 Dichlorobenzene	N D	33	ug/kg	N D	38
4690	2 Methylphenol	N D	33	ug/kg	N D	38
4691	2 2 oxybis(1 Chloropropane)	N D	33	ug/kg	N D	38
4692	4 Methylphenol	N D	67	ug/kg	N D	78
1188	N Nitroso di n propylamine	N D	33	ug/kg	N D	38
3757	Hexachloroethane	N D	33	ug/kg	N D	38
3758	Nitrobenzene	N D	33	ug/kg	N D	38
3759	Isophorone	N D	33	ug/kg	N D	38
3746	2 Nitrophenol	N D	67	ug/kg	N D	78
3747	2 4 Dimethylphenol	N D	67	ug/kg	N D	78
3760	bis(2 Chloroethoxy)methane	N D	67	ug/kg	N D	78
3748	2 4 Dichlorophenol	N D	67	ug/kg	N D	78
1189	1 2 4 Trichlorobenzene	N D	33	ug/kg	N D	38
3761	Naphthalene	N D	33	ug/kg	N D	38
4693	4 Chloroaniline	N D	33	ug/kg	N D	38
3762	Hexachlorobutadiene	N D	67	ug/kg	N D	78
1190	4 Chloro 3 methylphenol	N D	67	ug/kg	N D	78
4694	2 Methylnaphthalene	N D	33	ug/kg	N D	38
3763	Hexachlorocyclopentadiene	N D	170	ug/kg	N D	200
3749	2 4 6 Trichlorophenol	N D	67	ug/kg	N D	78
4695	2 4 5 Trichlorophenol	N D	67	ug/kg	N D	78
3764	2 Chloronaphthalene	N D	33	ug/kg	N D	38
4696	2 Nitroaniline	N D	33	ug/kg	N D	38
3766	Dimethylphthalate	N D	67	ug/kg	N D	78
3765	Acenaphthylene	N D	33	ug/kg	N D	38

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

4697	3 Nitroaniline	N D	67	ug/kg	N D	78
1191	Acenaphthene	N D	33	ug/kg	N D	38
3750	2 4 Dinitrophenol	N D	230	ug/kg	N D	270
1192	4 Nitrophenol	N D	170	ug/kg	N D	200
4698	Dibenzofuran	N D	33	ug/kg	N D	38
1193	2 4 Dinitrotoluene	N D	67	ug/kg	N D	78
3767	2 6 Dinitrotoluene	N D	33	ug/kg	N D	38
3770	Diethylphthalate	N D	67	ug/kg	N D	78
3769	4 Chlorophenyl phenylether	N D	33	ug/kg	N D	38
3768	Fluorene	N D	33	ug/kg	N D	38

4700	4 Nitroaniline	N D		67	ug/kg	N D		78

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Sample Number SW3202276 Account 10160 CHRYSLER CORPORATION

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		200
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		38
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		78
3774	Hexachlorobenzene	N D		33	ug/kg	N D		38
1194	Pentachlorophenol	N D		170	ug/kg	N D		200
3775	Phenanthrene	180	J	33	ug/kg	210	J	38
3776	Anthracene	46	J	33	ug/kg	54	J	38
4702	Carbazole	N D		33	ug/kg	N D		38
3777	Di n butylphthalate	N D		67	ug/kg	N D		78
3778	Fluoranthene	340		33	ug/kg	390		38
1195	Pyrene	320	J	33	ug/kg	380	J	38
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		78
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		78
3781	Benzo(a)anthracene	210	J	33	ug/kg	250	J	38
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		78
3782	Chrysene	210	J	33	ug/kg	240	J	38
3785	Di n octylphthalate	N D		67	ug/kg	N D		78
3786	Benzo(b)fluoranthene	210	J	33	ug/kg	250	J	38
3787	Benzo(k)fluoranthene	86	J	33	ug/kg	100	J	38
3788	Benzo(a)pyrene	160	J	33	ug/kg	180	J	38
3789	Indeno(1 2 3 cd)pyrene	110	J	33	ug/kg	130	J	38
3790	Dibenz(a h)anthracene	35	J	33	ug/kg	41	J	38
3791	Benzo(g h i)perylene	100	J	33	ug/kg	120	J	38

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	7		2	ug/kg	9		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	4	J	1	ug/kg	5	J	1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	5		1	ug/kg	6		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	8		1	ug/kg	9		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1

5478	Bromoform	N D		1	ug/kg	N D		1

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Sample Number SW3202276 Account 10160 CHRYSLER CORPORATION

6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	2	J	1	ug/kg	2	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	3	J	2	ug/kg	3	J	2

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Sample Number TL3202277 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/27/99

SP01TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 47		0 0015	mg/l
1751	Chromium	N D		0 0054	mg/l
1753	Copper	N D		0 0058	mg/l
1755	Lead	N D		0 023	mg/l
1766	Silver	N D		0 0057	mg/l
7035	Arsenic TR	N D		0 0070	mg/l
7036	Selenium TR	0 0072	J	0 0059	mg/l
7049	Cadmium TR	0 0017		0 00063	mg/l
7072	Zinc TR	0 054		0 0036	mg/l

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Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	13 6	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	7 61	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 61 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1122	Sulfide (Reactivity)	N D	39	mg/kg		

The relative percent difference (RPD) between the MS and MSD on the

atch associated with this sample was 21% The acceptable RPD for this

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Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION

analysis is 20% The MS and MSD were both within specifications
==========

1123	Cyanide (Reactivity)	N D		100	mg/kg			

1225 TCL Pesticides in Solids
Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample
==========

1981	Alpha BHC	0 93	J	0 67	ug/kg	~ 1 08	J	0 78
1982	Beta BHC	N D		0 67	ug/kg	N D		0 78
1983	Delta BHC	N D		0 67	ug/kg	N D		0 78
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 78
1219	Heptachlor	N D		0 67	ug/kg	N D		0 78
1220	Aldrin	N D		0 67	ug/kg	N D		0 78
1984	Heptachlor Epoxide	1 85	J	0 67	ug/kg	~ 2 14	J	0 78
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 78
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	N D		1 3	ug/kg	N D		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	2 3	J	1 3	ug/kg	~ 2 6	J	1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	96		6 7	ug/kg	112		7 8
3025	Alpha Chlordane	N D		0 67	ug/kg	~ N D		0 78
3026	Gamma Chlordane	11 6		0 67	ug/kg	~ 13 4		0 78
1988	Toxaphene	N D		67	ug/kg	N D		78
1992	Endrin Aldehyde	2 3	J	1 3	ug/kg	2 7	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		38
1994	PCB 1221	N D		33	ug/kg	N D		38
1995	PCB 1232	N D		33	ug/kg	N D		38
1996	PCB 1242	N D		33	ug/kg	N D		38
1997	PCB 1248	N D		33	ug/kg	N D		38
1998	PCB 1254	N D		33	ug/kg	N D		38
1999	PCB 1260	N D		33	ug/kg	N D		38

==========

4688 TCL SW846 Semivolatiles Soil
3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds
==========

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Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION

1185	Phenol	N D		67	ug/kg	N D		78
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		38
1186	2 Chlorophenol	N D		33	ug/kg	N D		38
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		38
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		38
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		38
4690	2 Methylphenol	N D		33	ug/kg	N D		38
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		38
4692	4 Methylphenol	N D		67	ug/kg	N D		78
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		38
3757	Hexachloroethane	N D		33	ug/kg	N D		38
3758	Nitrobenzene	N D		33	ug/kg	N D		38
3759	Isophorone	N D		33	ug/kg	N D		38
3746	2 Nitrophenol	N D		67	ug/kg	N D		78
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		78
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		78
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		78
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		38
3761	Naphthalene	60	J	33	ug/kg	< 70	J	38
4693	4 Chloroaniline	N D		33	ug/kg	N D		38
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		78
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		78
4694	2 Methylnaphthalene	54	J	33	ug/kg	< 63	J	38
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		200
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		78
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		78
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		38
4696	2 Nitroaniline	N D		33	ug/kg	N D		38
3766	Dimethylphthalate	N D		67	ug/kg	N D		78
3765	Acenaphthylene	N D		33	ug/kg	N D		38

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds
==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		78
1191	Acenaphthene	130	J	33	ug/kg	150	J	38
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		270
1192	4 Nitrophenol	N D		170	ug/kg	N D		200
4698	Dibenzofuran	110	J	33	ug/kg	130	J	38
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		78
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		38
3770	Diethylphthalate	N D		67	ug/kg	N D		78
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		38
3768	Fluorene	160	J	33	ug/kg	190	J	38
4700	4 Nitroaniline	N D		67	ug/kg	N D		78

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg		N D		200

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Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION

3772	N Nitrosodiphenylamine	N D		33	ug/kg		N D		38
3773	4 Bromophenyl phenylether	N D		67	ug/kg		N D		78
3774	Hexachlorobenzene	N D		33	ug/kg		N D		38
1194	Pentachlorophenol	N D		170	ug/kg		N D		200
3775	Phenanthrene	2 100		33	ug/kg		2 400		38
3776	Anthracene	500		33	ug/kg		580		38
4702	Carbazole	260	J	33	ug/kg		310	J	38
3777	Di n butylphthalate	N D		67	ug/kg		N D		78
3778	Fluoranthene	2 900		33	ug/kg		3 400		38
1195	Pyrene	2 700		33	ug/kg		3 200		38
3780	Butylbenzylphthalate	N D		67	ug/kg		N D		78
3783	3 3 Dichlorobenzidine	N D		67	ug/kg		N D		78
3781	Benzo(a)anthracene	1 300		33	ug/kg		1 600		38
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg		N D		78
3782	Chrysene	1 400		33	ug/kg		1 600		38
3785	Di n octylphthalate	N D		67	ug/kg		N D		78
3786	Benzo(b)fluoranthene	1 400		33	ug/kg		1 700		38
3787	Benzo(k)fluoranthene	580		33	ug/kg		670		38
3788	Benzo(a)pyrene	1 100		33	ug/kg		1 200		38
3789	Indeno(1 2 3 cd)pyrene	710		33	ug/kg		830		38
3790	Dibenz(a h)anthracene	180	J	33	ug/kg		210	J	38
3791	Benzo(g h i)perylene	610		33	ug/kg		710		38

==========

6292	TCL by 8260 (soil)								
5444	Chloromethane	N D		2	ug/kg		N D		2
5446	Bromomethane	N D		3	ug/kg		N D		3
5445	Vinyl Chloride	N D		2	ug/kg		N D		2
5447	Chloroethane	N D		3	ug/kg		N D		3
5450	Methylene Chloride	27		2	ug/kg		31		2
6293	Acetone	N D		7	ug/kg		N D		8
6294	Carbon Disulfide	N D		3	ug/kg		N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg		N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg		N D		1
5455	Chloroform	1	J	1	ug/kg		1	J	1
5461	1 2 Dichloroethane	N D		2	ug/kg		N D		2
6296	2 Butanone	N D		7	ug/kg		N D		8
5457	1 1 1 Trichloroethane	2	J	1	ug/kg		2	J	1
5458	Carbon Tetrachloride	N D		1	ug/kg		N D		1
5465	Bromodichloromethane	N D		2	ug/kg		N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg		N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg		N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg		N D		1
5462	Trichloroethene	75		1	ug/kg		87		1
5470	Dibromochloromethane	N D		1	ug/kg		N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg		N D		2
5460	Benzene	N D		1	ug/kg		N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg		N D		1
5478	Bromoform	N D		1	ug/kg		N D		1

6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3

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Sample Number SW3202278 Account 10160 CHRYSLER CORPORATION

6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	N D	1	ug/kg	N D	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

=========

Sample Number TL3202279 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 63	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0100 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0027	0 00063	mg/l
7072	Zinc TR	0 207	0 0036	mg/l

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Sample Number SW3202280 Account 10160 CHRYSLER CORPORATION

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Sample Number SW3202280 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	9 16	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	7 80	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 8 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide

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Sample Number SW3202280 Account 10160 CHRYSLER CORPORATION

1122	Sulfide (Reactivity)	N D	39	mg/kg

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	1 94	J	0 67	ug/kg	2 13	J	0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	2 3	J	1 3	ug/kg	2 6	J	1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	13 4		1 3	ug/kg	14 8		1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	47		6 7	ug/kg	52		7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	7 4		0 67	ug/kg	8 2		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		36
1994	PCB 1221	N D		33	ug/kg	N D		36
1995	PCB 1232	N D		33	ug/kg	N D		36
1996	PCB 1242	N D		33	ug/kg	N D		36
1997	PCB 1248	N D		33	ug/kg	N D		36
1998	PCB 1254	N D		33	ug/kg	N D		36
1999	PCB 1260	N D		33	ug/kg	N D		36

4688 TCL SW846 Semivolatiles Soil

Methylphenol and 4 methylphenol cannot be resolved under the

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Sample Number SW3202280 Account 10160 CHRYSLER CORPORATION

chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

==========

1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		36
1186	2 Chlorophenol	N D		33	ug/kg	N D		36
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		36
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		36
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		36
4690	2 Methylphenol	N D		33	ug/kg	N D		36
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		36
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		36
3757	Hexachloroethane	N D		33	ug/kg	N D		36
3758	Nitrobenzene	N D		33	ug/kg	N D		36
3759	Isophorone	N D		33	ug/kg	N D		36
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		36
3761	Naphthalene	37	J	33	ug/kg	40	J	36
4693	4 Chloroaniline	N D		33	ug/kg	N D		36
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	39	J	33	ug/kg	43	J	36
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		36
4696	2 Nitroaniline	N D		33	ug/kg	N D		36
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	N D		33	ug/kg	N D		36

==========

4689 TCL SW846 Semivolatiles/Soil

N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine The result reported for N nitrosodiphenylamine represents the combined total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	90	J	33	ug/kg	99	J	36
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	62	J	33	ug/kg	69	J	36
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		36

3770	Diethylphthalate	N D		67	ug/kg	N D	74

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3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		36
3768	Fluorene	96	J	33	ug/kg	110	J	36
4700	4 Nitroaniline	N D		67	ug/kg	N D		74
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		36
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		36
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	1 400		33	ug/kg	1 600		36
3776	Anthracene	340		33	ug/kg	370		36
4702	Carbazole	180	J	33	ug/kg	200	J	36
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	2 200		33	ug/kg	2 400		36
1195	Pyrene	2 000		33	ug/kg	2 200		36
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	1 000		33	ug/kg	1 100		36
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		74
3782	Chrysene	1 000		33	ug/kg	1 200		36
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	1 100		33	ug/kg	1 200		36
3787	Benzo(k)fluoranthene	480		33	ug/kg	530		36
3788	Benzo(a)pyrene	830		33	ug/kg	910		36
3789	Indeno(1 2 3 cd)pyrene	590		33	ug/kg	650		36
3790	Dibenz(a h)anthracene	150	J	33	ug/kg	160	J	36
3791	Benzo(g h i)perylene	510		33	ug/kg	570		36

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	5	J	2	ug/kg	5	J	2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	21		1	ug/kg	23		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1

5467	1 1 2 Trichloroethane	N D	2	ug/kg	N D	2

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Sample Number SW3202280 Account 10160 CHRYSLER CORPORATION

5460	Benzene	N D	1	ug/kg	N D	1
6298	cis 1 3 Dichloropropene	N D	1	ug/kg	N D	1
5478	Bromoform	N D	1	ug/kg	N D	1
6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3
6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	N D	1	ug/kg	N D	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

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Sample Number TL3202281 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 63	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0090 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0061 J	0 0059	mg/l
7049	Cadmium TR	0 0025	0 00063	mg/l

7072 Zinc TR 0 100 0 0036 mg/l

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Sample Number TL3202281 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202282 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP03 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

		AS RECEIVED			DRY WEIGHT	
	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS	RESULT	METHOD DETECTION LIMIT
0111	Moisture	10 8	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	8 08	0 010	

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below	1 0	See Below

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 8 08 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

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1122	Sulfide (Reactivity)	N D	39	mg/kg

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

==========

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

==========

1981	Alpha BHC	0 94	J	0 67	ug/kg	1 06	J	0 75
1982	Beta BHC	N D		0 67	ug/kg	N D		0 75
1983	Delta BHC	N D		0 67	ug/kg	N D		0 75
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 75
1219	Heptachlor	1 15	J	0 67	ug/kg	1 29	J	0 75
1220	Aldrin	N D		0 67	ug/kg	N D		0 75
1984	Heptachlor Epoxide	0 87	J	0 67	ug/kg	0 97	J	0 75
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 75
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	10 5		1 3	ug/kg	11 8		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	13 4		1 3	ug/kg	15 0		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	129		6 7	ug/kg	145		7 5
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 75
3026	Gamma Chlordane	21 9		0 67	ug/kg	24 6		0 75
1988	Toxaphene	N D		67	ug/kg	N D		75
1992	Endrin Aldehyde	2 6	J	1 3	ug/kg	2 9	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

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4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the

hromatographic conditions used for sample analysis The result reported

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for 4 methylphenol represents the combined total of both compounds
==========

1185	Phenol	N D		67	ug/kg	N D		75
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		75
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		75
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		75
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		75
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		75
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		37
3761	Naphthalene	130	J	33	ug/kg	150	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		75
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		75
4694	2 Methylnaphthalene	68	J	33	ug/kg	77	J	37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		75
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		75
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		75
3765	Acenaphthylene	41	J	33	ug/kg	46	J	37

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds
==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		75
1191	Acenaphthene	210	J	33	ug/kg	240	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		260
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	150	J	33	ug/kg	170	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		75
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		75

3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D	37

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Sample Number SW3202282 Account 10160 CHRYSLER CORPORATION

3768	Fluorene	280	J	33	ug/kg	310	J	37
4700	4 Nitroaniline	N D		67	ug/kg	N D		75
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		75
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	3 500		33	ug/kg	3 900		37
3776	Anthracene	1 100		33	ug/kg	1 300		37
4702	Carbazole	310	J	33	ug/kg	340	J	37
3777	Di n butylphthalate	N D		67	ug/kg	N D		75
3778	Fluoranthene	5 500		67	ug/kg	6 100		75
1195	Pyrene	4 900		33	ug/kg	5 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		75
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		75
3781	Benzo(a)anthracene	2 500		33	ug/kg	2 800		37
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		75
3782	Chrysene	2 400		33	ug/kg	2 700		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		75
3786	Benzo(b)fluoranthene	2 500		33	ug/kg	2 800		37
3787	Benzo(k)fluoranthene	1 000		33	ug/kg	1 100		37
3788	Benzo(a)pyrene	2 000		33	ug/kg	2 300		37
3789	Indeno(1 2 3 cd)pyrene	1 300		33	ug/kg	1 500		37
3790	Dibenz(a h)anthracene	320	J	33	ug/kg	360	J	37
3791	Benzo(g h i)perylene	1 100		33	ug/kg	1 300		37

==========

6292	TCL by 8260 (soil)						
5444	Chloromethane	N D		2	ug/kg	N D	2
5446	Bromomethane	N D		3	ug/kg	N D	3
5445	Vinyl Chloride	N D		2	ug/kg	N D	2
5447	Chloroethane	N D		3	ug/kg	N D	3
5450	Methylene Chloride	10		2	ug/kg	11	2
6293	Acetone	N D		7	ug/kg	N D	8
6294	Carbon Disulfide	N D		3	ug/kg	N D	3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D	2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D	1
5455	Chloroform	N D		1	ug/kg	N D	1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D	2
6296	2 Butanone	N D		7	ug/kg	N D	8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D	1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D	1
5465	Bromodichloromethane	N D		2	ug/kg	N D	2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D	1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D	3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D	1
5462	Trichloroethene	28		1	ug/kg	31	1
5470	Dibromochloromethane	N D		1	ug/kg	N D	1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D	2

5460	Benzene	N D	1	ug/kg	N D	1

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Sample Number SW3202282 Account 10160 CHRYSLER CORPORATION

6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	1	J	1	ug/kg	1	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

==========

Sample Number TL3202283 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP03 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT		METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D		0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 68		0 0015	mg/l
1751	Chromium	N D		0 0054	mg/l
1753	Copper	0 0225	J	0 0058	mg/l
1755	Lead	0 27		0 023	mg/l
1766	Silver	N D		0 0057	mg/l
7035	Arsenic TR	N D		0 0070	mg/l
7036	Selenium TR	N D		0 0059	mg/l
7049	Cadmium TR	0 0032		0 00063	mg/l
7072	Zinc TR	0 179		0 0036	mg/l

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Sample Number TL3202283 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202284 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP04 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

		AS RECEIVED			DRY WEIGHT	
	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS	RESULT	METHOD DETECTION LIMIT
0111	Moisture	9 76	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	7 62	0 010	

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below	1 0	See Below

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 62 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1127	Sulfide (Reactivity)	N D	39	mg/kg

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Sample Number SW3202284 Account 10160 CHRYSLER CORPORATION

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications
==========

1123	Cyanide (Reactivity)	N D	100	mg/kg

1225 TCL Pesticides in Solids
Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample
==========

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	N D		0 67	ug/kg	N D		0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	2 9	J	1 3	ug/kg	3 3	J	1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	5 6	J	1 3	ug/kg	6 2	J	1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	56		6 7	ug/kg	62		7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	4 9		0 67	ug/kg	5 5		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

==========

4688 TCL SW846 Semivolatiles Soil
3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported

or 4 methylphenol represents the combined total of both compounds

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Sample Number SW3202284 Account 10160 CHRYSLER CORPORATION

==========

1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N.D		33	ug/kg	N D		37
3761	Naphthalene	38	J	33	ug/kg	43	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	N D		33	ug/kg	N D		37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	N D		33	ug/kg	N D		37

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	56	J	33	ug/kg	62	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	50	J	33	ug/kg	56	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		74
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		37

3768	Fluorene	68	J	33	ug/kg	75	J	37

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Sample Number SW3202284 Account 10160 CHRYSLER CORPORATION

4700	4 Nitroaniline	N D		67	ug/kg	N D		74
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	900		33	ug/kg	1 000		37
3776	Anthracene	220	J	33	ug/kg	240	J	37
4702	Carbazole	130	J	33	ug/kg	140	J	37
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	1 400		33	ug/kg	1 500		37
1195	Pyrene	1 200		33	ug/kg	1 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	680		33	ug/kg	760		37
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		74
3782	Chrysene	710		33	ug/kg	780		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	840		33	ug/kg	930		37
3787	Benzo(k)fluoranthene	320	J	33	ug/kg	360	J	37
3788	Benzo(a)pyrene	570		33	ug/kg	640		37
3789	Indeno(1 2 3 cd)pyrene	400		33	ug/kg	450		37
3790	Dibenz(a h)anthracene	110	J	33	ug/kg	130	J	37
3791	Benzo(g h i)perylene	350		33	ug/kg	390		37

==========

6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	13		2	ug/kg	14		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	18		1	ug/kg	20		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1

6298	cis 1 3 Dichloropropene	N D	1	ug/kg	N D	1

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Sample Number SW3202284 Account 10160 CHRYSLER CORPORATION

5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	1	J	1	ug/kg	1	J	1
5466	Toluene	N D		1	ug/kg	N D		1
5472	Chlorobenzene	N D		1	ug/kg	N D		1
5474	Ethylbenzene	N D		1	ug/kg	N D		1
5477	Styrene	N D		1	ug/kg	N D		1
6301	Xylene (Total)	N D		1	ug/kg	N D		1
5451	trans 1 2 Dichloroethene	N D		2	ug/kg	N D		2
5454	cis 1 2 Dichloroethene	N D		2	ug/kg	N D		2

==========

Sample Number TL3202285 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP04 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 54	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0235 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0025	0 00063	mg/l
7072	Zinc TR	0 082	0 0036	mg/l

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Sample Number TL3202285 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202286 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP05 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

		AS RECEIVED			DRY WEIGHT	
	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS	RESULT	METHOD DETECTION LIMIT
0111	Moisture	10 9	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	7 84	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 7 84 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1122	Sulfide (Reactivity)	N D	39	mg/kg		

he relative percent difference (RPD) between the MS and MSD on the

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Sample Number SW3202286 Account 10160 CHRYSLER CORPORATION

batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

==========

1123	Cyanide (Reactivity)	N D		100	mg/kg		

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram

This analysis was performed at a 10x dilution of the original sample

==========

1981	Alpha BHC	1 24	J	0 67	ug/kg	1 39	J	0 75
1982	Beta BHC	N D		0 67	ug/kg	N D		0 75
1983	Delta BHC	N D		0 67	ug/kg	N D		0 75
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 75
1219	Heptachlor	6 3		0 67	ug/kg	7 1		0 75
1220	Aldrin	N D		0 67	ug/kg	N D		0 75
1984	Heptachlor Epoxide	N D		0 67	ug/kg	N D		0 75
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 75
1222	Dieldrin	N D		1 3	ug/kg	N D		1 5
1985	DDE	N D		1 3	ug/kg	N D		1 5
1223	Endrin	N D		1 3	ug/kg	N D		1 5
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 5
1986	DDD	16 2		1 3	ug/kg	18 2		1 5
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 5
1221	DDT	19 2		1 3	ug/kg	21 6		1 5
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 5
1859	Methoxychlor	121		6 7	ug/kg	136		7 5
3025	Alpha Chlordane	53 8		0 67	ug/kg	60 4		0 75
3026	Gamma Chlordane	45 0		0 67	ug/kg	50 5		0 75
1988	Toxaphene	N D		67	ug/kg	N D		75
1992	Endrin Aldehyde	1 8	J	1 3	ug/kg	- 2 0	J	1 5
1993	PCB 1016	N D		33	ug/kg	N D		37
1994	PCB 1221	N D		33	ug/kg	N D		37
1995	PCB 1232	N D		33	ug/kg	N D		37
1996	PCB 1242	N D		33	ug/kg	N D		37
1997	PCB 1248	N D		33	ug/kg	N D		37
1998	PCB 1254	N D		33	ug/kg	N D		37
1999	PCB 1260	N D		33	ug/kg	N D		37

==========

4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

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Sample Number SW3202286 Account 10160 CHRYSLER CORPORATION

1185	Phenol	2 300		67	ug/kg	2 500		75
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		37
1186	2 Chlorophenol	N D		33	ug/kg	N D		37
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		37
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		37
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		37
4690	2 Methylphenol	N D		33	ug/kg	N D		37
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		37
4692	4 Methylphenol	N D		67	ug/kg	N D		75
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		37
3757	Hexachloroethane	N D		33	ug/kg	N D		37
3758	Nitrobenzene	N D		33	ug/kg	N D		37
3759	Isophorone	N D		33	ug/kg	N D		37
3746	2 Nitrophenol	N D		67	ug/kg	N D		75
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		75
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		75
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		75
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		37
3761	Naphthalene	98	J	33	ug/kg	110	J	37
4693	4 Chloroaniline	N D		33	ug/kg	N D		37
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		75
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		75
4694	2 Methylnaphthalene	80	J	33	ug/kg	90	J	37
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		75
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		75
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		37
4696	2 Nitroaniline	N D		33	ug/kg	N D		37
3766	Dimethylphthalate	N D		67	ug/kg	N D		75
3765	Acenaphthylene	62	J	33	ug/kg	70	J	37

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		75
1191	Acenaphthene	290	J	33	ug/kg	330	J	37
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		260
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	180	J	33	ug/kg	210	J	37
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		75
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		37
3770	Diethylphthalate	N D		67	ug/kg	N D		75
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		37
3768	Fluorene	270	J	33	ug/kg	300	J	37

4700	4 Nitroaniline	N D	67	ug/kg	N D	75

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Sample Number SW3202286 Account 10160 CHRYSLER CORPORATION

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		37
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		75
3774	Hexachlorobenzene	N D		33	ug/kg	N D		37
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	3 800		33	ug/kg	4 200		37
3776	Anthracene	840		33	ug/kg	950		37
1702	Carbazole	510		33	ug/kg	570		37
3777	Di n butylphthalate	N D		67	ug/kg	N D		75
3778	Fluoranthene	5 500		67	ug/kg	6 200		75
1195	Pyrene	4 800		33	ug/kg	5 400		37
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		75
3783	3 3 Dichlorobenzidine	160	J	67	ug/kg	180	J	75
3781	Benzo(a)anthracene	2 400		33	ug/kg	2 700		37
3784	bis(2 Ethylhexyl)phthalate	410		67	ug/kg	460		75
3782	Chrysene	2 400		33	ug/kg	2 700		37
3785	Di n octylphthalate	N D		67	ug/kg	N D		75
3786	Benzo(b)fluoranthene	2 800		33	ug/kg	3 200		37
3787	Benzo(k)fluoranthene	1 200		33	ug/kg	1 300		37
3788	Benzo(a)pyrene	2 200		33	ug/kg	2 400		37
3789	Indeno(1 2 3 cd)pyrene	1 500		33	ug/kg	1 700		37
3790	Dibenz(a h)anthracene	360		33	ug/kg	400		37
3791	Benzo(g h i)perylene	1 300		33	ug/kg	1 500		37

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	23		2	ug/kg	25		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	14		1	ug/kg	16		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1

5478	Bromoform	N D	1	ug/kg	N D	1

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Sample Number SW3202286 Account 10160 CHRYSLER CORPORATION

6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3
6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	N D	1	ug/kg	N D	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

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Sample Number TL3202287 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP02TP05 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	0 000048J	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 60	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0093 J	0 0058	mg/l
1755	Lead	N D	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0024	0 00063	mg/l
7072	Zinc TR	0 125	0 0036	mg/l

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Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP03TP01 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	AS RECEIVED RESULT	METHOD DETECTION LIMIT	UNITS	DRY WEIGHT RESULT	METHOD DETECTION LIMIT
0111	Moisture	4 08	0 50	% by wt		

Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius
==========

0394	pH	8 22	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min
==========

0496	Corrosivity	See Below	1 0	See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 8 22 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5
==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus
==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide
==========

1122	Sulfide (Reactivity)	N D	39	mg/kg		

The relative percent difference (RPD) between the MS and MSD on the

atch associated with this sample was 21% The acceptable RPD for this

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Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION

analysis is 20% The MS and MSD were both within specifications
==========

1123	Cyanide (Reactivity)	N D		100	mg/kg			

1225 TCL Pesticides in Solids
Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample
==========

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 70
1982	Beta BHC	N D		0 67	ug/kg	N D		0 70
1983	Delta BHC	N D		0 67	ug/kg	N D		0 70
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 70
1219	Heptachlor	N D		0 67	ug/kg	N D		0 70
1220	Aldrin	N D		0 67	ug/kg	N D		0 70
1984	Heptachlor Epoxide	1 59	J	0 67	ug/kg	1 66	J	0 70
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 70
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	11 1		1 3	ug/kg	- 11 6		1 4
3017	Endrin Ketone	1 7	J	1 3	ug/kg	- 1 8	J	1 4
1859	Methoxychlor	N D		6 7	ug/kg	N D		7 0
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 70
3026	Gamma Chlordane	1 63	J	0 67	ug/kg	1 70	J	0 70
1988	Toxaphene	N D		67	ug/kg	N D		70
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		34
1994	PCB 1221	N D		33	ug/kg	N D		34
1995	PCB 1232	N D		33	ug/kg	N D		34
1996	PCB 1242	N D		33	ug/kg	N D		34
1997	PCB 1248	N D		33	ug/kg	N D		34
1998	PCB 1254	N D		33	ug/kg	N D		34
1999	PCB 1260	N D		33	ug/kg	N D		34

==========

4688 TCL SW846 Semivolatiles Soil
3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds
==========

1185	Phenol	N D		67	ug/kg	N D		70
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		34

1186	2 Chlorophenol	N D		33	ug/kg	N D		34

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Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION

3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		34
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		34
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		34
4690	2 Methylphenol	120	J	33	ug/kg	120	J	34
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		34
4692	4 Methylphenol	N D		67	ug/kg	N D		70
1188	N Nitroso di n propylamine	N D		33	ug/kg	N D		34
3757	Hexachloroethane	N D		33	ug/kg	N D		34
3758	Nitrobenzene	N D		33	ug/kg	N D		34
3759	Isophorone	N D		33	ug/kg	N D		34
3746	2 Nitrophenol	N D		67	ug/kg	N D		70
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		70
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		70
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		70
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		34
3761	Naphthalene	90	J	33	ug/kg	93	J	34
4693	4 Chloroaniline	N D		33	ug/kg	N D		34
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		70
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		70
4694	2 Methylnaphthalene	44	J	33	ug/kg	46	J	34
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		180
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		70
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		70
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		34
4696	2 Nitroaniline	N D		33	ug/kg	N D		34
3766	Dimethylphthalate	N D		67	ug/kg	N D		70
3765	Acenaphthylene	190	J	33	ug/kg	200	J	34

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4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds
==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		70
1191	Acenaphthene	53	J	33	ug/kg	55	J	34
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		240
1192	4 Nitrophenol	N D		170	ug/kg	N D		180
4698	Dibenzofuran	49	J	33	ug/kg	52	J	34
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		70
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		34
3770	Diethylphthalate	N D		67	ug/kg	N D		70
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		34
3768	Fluorene	74	J	33	ug/kg	77	J	34
4700	4 Nitroaniline	N D		67	ug/kg	N D		70
3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		180
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		34
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		70

3774	Hexachlorobenzene	N D		33	ug/kg	N D	34

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Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION

1194	Pentachlorophenol	N D		170	ug/kg	N D		180
3775	Phenanthrene	860		33	ug/kg	900		34
3776	Anthracene	230	J	33	ug/kg	240	J	34
4702	Carbazole	84	J	33	ug/kg	88	J	34
3777	Di n butylphthalate	N D		67	ug/kg	N D		70
3778	Fluoranthene	1 600		33	ug/kg	1 600		34
1195	Pyrene	1 500		33	ug/kg	1 500		34
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		70
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		70
3781	Benzo(a)anthracene	810		33	ug/kg	850		34
3784	bis(2 Ethylhexyl)phthalate	N D		67	ug/kg	N D		70
3782	Chrysene	820		33	ug/kg	850		34
3785	Di n octylphthalate	N D		67	ug/kg	N D		70
3786	Benzo(b)fluoranthene	1 000		33	ug/kg	1 100		34
3787	Benzo(k)fluoranthene	460		33	ug/kg	480		34
3788	Benzo(a)pyrene	850		33	ug/kg	880		34
3789	Indeno(1 2 3 cd)pyrene	640		33	ug/kg	670		34
3790	Dibenz(a h)anthracene	140	J	33	ug/kg	150	J	34
3791	Benzo(g h i)perylene	560		33	ug/kg	580		34

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6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	12		2	ug/kg	12		2
6293	Acetone	9	J	7	ug/kg	9	J	7
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		7
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	N D		1	ug/kg	N D		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5478	Bromoform	N D		1	ug/kg	N D		1
6299	4 Methyl 2 pentanone	N D		3	ug/kg	N D		3
6300	2 Hexanone	N D		3	ug/kg	N D		3
5468	Tetrachloroethene	N D		1	ug/kg	N D		1

5466	Toluene	N D	1	ug/kg	N D	1

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Sample Number SW3202288 Account 10160 CHRYSLER CORPORATION

5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

==========

Sample Number TL3202289 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP03TP01 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 85	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0140 J	0 0058	mg/l
1755	Lead	0 050 J	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	0 0067 J	0 0059	mg/l
7049	Cadmium TR	0 0040	0 00063	mg/l
7072	Zinc TR	0 081	0 0036	mg/l

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Sample Number SW3202290 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP03TP02 Grab Soil Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

		AS RECEIVED			DRY WEIGHT	
	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS	RESULT	METHOD DETECTION LIMIT
0111	Moisture	8 92	0 50	% by wt		

*Moisture represents the loss in weight of the sample after oven drying at 103 105 degrees Celsius

==========

0394	pH	9 01	0 010			

The pH was performed on a 1 1 slurry (25 gms of sample and 25 ml of deionized water) after being tumbled for 30 min

==========

0496	Corrosivity	See Below		See Below		

Corrosivity
The pH of a 1 1 slurry (with deionized water) was 9 01 indicating that the waste is not corrosive
A waste is corrosive if it exhibits a pH equal to or less than 2 or equal to or greater than 12 5

==========

0542	Ignitability	See Below		See Below		

The sample did not spontaneously ignite when exposed to air or water
The sample did not ignite by friction
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus

==========

1121	Reactivity	See Below		See Below		

Reactivity
The sample was extracted by the interim method described in SW 846 Chapter 7 3 This solution was analyzed for cyanide and sulfide
This waste is not considered reactive and hazardous because it does not generate a quantity of hydrogen cyanide exceeding 250 mg/kg or hydrogen sulfide exceeding 500 mg/kg These interim threshold limits were established by the Solid Waste Branch of EPA July 1992 These results do not reflect total cyanide or total sulfide

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Sample Number SW3202290 Account 10160 CHRYSLER CORPORATION

1122	Sulfide (Reactivity)	N D		39	mg/kg		

The relative percent difference (RPD) between the MS and MSD on the batch associated with this sample was 21% The acceptable RPD for this analysis is 20% The MS and MSD were both within specifications

1123	Cyanide (Reactivity)	N D		100	mg/kg		

1225 TCL Pesticides in Solids

Due to the nature of the sample matrix a dilution of the sample was used for analysis The Limits of Quantitation (LOQ s) were raised accordingly

This analysis was performed at a 10x dilution of the original sample

1981	Alpha BHC	N D		0 67	ug/kg	N D		0 74
1982	Beta BHC	N D		0 67	ug/kg	N D		0 74
1983	Delta BHC	N D		0 67	ug/kg	N D		0 74
1218	Gamma BHC Lindane	N D		0 67	ug/kg	N D		0 74
1219	Heptachlor	N D		0 67	ug/kg	N D		0 74
1220	Aldrin	N D		0 67	ug/kg	N D		0 74
1984	Heptachlor Epoxide	1 15	J	0 67	ug/kg	1 26	J	0 74
1989	Endosulfan I	N D		0 67	ug/kg	N D		0 74
1222	Dieldrin	N D		1 3	ug/kg	N D		1 4
1985	DDE	N D		1 3	ug/kg	N D		1 4
1223	Endrin	N D		1 3	ug/kg	N D		1 4
1990	Endosulfan II	N D		1 3	ug/kg	N D		1 4
1986	DDD	N D		1 3	ug/kg	N D		1 4
1991	Endosulfan Sulfate	N D		1 3	ug/kg	N D		1 4
1221	DDT	9 7		1 3	ug/kg	10 6		1 4
3017	Endrin Ketone	N D		1 3	ug/kg	N D		1 4
1859	Methoxychlor	20 3	J	6 7	ug/kg	22 3	J	7 4
3025	Alpha Chlordane	N D		0 67	ug/kg	N D		0 74
3026	Gamma Chlordane	N D		0 67	ug/kg	N D		0 74
1988	Toxaphene	N D		67	ug/kg	N D		74
1992	Endrin Aldehyde	N D		1 3	ug/kg	N D		1 4
1993	PCB 1016	N D		33	ug/kg	N D		36
1994	PCB 1221	N D		33	ug/kg	N D		36
1995	PCB 1232	N D		33	ug/kg	N D		36
1996	PCB 1242	N D		33	ug/kg	N D		36
1997	PCB 1248	N D		33	ug/kg	N D		36
1998	PCB 1254	N D		33	ug/kg	N D		36
1999	PCB 1260	N D		33	ug/kg	N D		36

4688 TCL SW846 Semivolatiles Soil

3 Methylphenol and 4 methylphenol cannot be resolved under the chromatographic conditions used for sample analysis The result reported for 4 methylphenol represents the combined total of both compounds

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202290 Account 10160 CHRYSLER CORPORATION

1185	Phenol	N D		67	ug/kg	N D		74
3753	bis(2 Chloroethyl)ether	N D		33	ug/kg	N D		36
1186	2 Chlorophenol	N D		33	ug/kg	N D		36
3754	1 3 Dichlorobenzene	N D		33	ug/kg	N D		36
1187	1 4 Dichlorobenzene	N D		33	ug/kg	N D		36
3755	1 2 Dichlorobenzene	N D		33	ug/kg	N D		36
4690	2 Methylphenol	N D		33	ug/kg	N D		36
4691	2 2 oxybis(1 Chloropropane)	N D		33	ug/kg	N D		36
4692	4 Methylphenol	N D		67	ug/kg	N D		74
1188	N Nitroso di n propylamine	N D		67	ug/kg	N D		74
3757	Hexachloroethane	N D		33	ug/kg	N D		36
3758	Nitrobenzene	N D		33	ug/kg	N D		36
3759	Isophorone	N D		33	ug/kg	N D		36
3746	2 Nitrophenol	N D		67	ug/kg	N D		74
3747	2 4 Dimethylphenol	N D		67	ug/kg	N D		74
3760	bis(2 Chloroethoxy)methane	N D		67	ug/kg	N D		74
3748	2 4 Dichlorophenol	N D		67	ug/kg	N D		74
1189	1 2 4 Trichlorobenzene	N D		33	ug/kg	N D		36
3761	Naphthalene	86	J	33	ug/kg	95	J	36
4693	4 Chloroaniline	N D		33	ug/kg	N D		36
3762	Hexachlorobutadiene	N D		67	ug/kg	N D		74
1190	4 Chloro 3 methylphenol	N D		67	ug/kg	N D		74
4694	2 Methylnaphthalene	69	J	33	ug/kg	76	J	36
3763	Hexachlorocyclopentadiene	N D		170	ug/kg	N D		190
3749	2 4 6 Trichlorophenol	N D		67	ug/kg	N D		74
4695	2 4 5 Trichlorophenol	N D		67	ug/kg	N D		74
3764	2 Chloronaphthalene	N D		33	ug/kg	N D		36
4696	2 Nitroaniline	N D		33	ug/kg	N D		36
3766	Dimethylphthalate	N D		67	ug/kg	N D		74
3765	Acenaphthylene	120	J	33	ug/kg	130	J	36

==========

4689 TCL SW846 Semivolatiles/Soil
N nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine
The result reported for N nitrosodiphenylamine represents the combined
total of both compounds

==========

4697	3 Nitroaniline	N D		67	ug/kg	N D		74
1191	Acenaphthene	47	J	33	ug/kg	52	J	36
3750	2 4 Dinitrophenol	N D		230	ug/kg	N D		250
1192	4 Nitrophenol	N D		170	ug/kg	N D		190
4698	Dibenzofuran	54	J	33	ug/kg	60	J	36
1193	2 4 Dinitrotoluene	N D		67	ug/kg	N D		74
3767	2 6 Dinitrotoluene	N D		33	ug/kg	N D		36
3770	Diethylphthalate	N D		67	ug/kg	N D		74
3769	4 Chlorophenyl phenylether	N D		33	ug/kg	N D		36
3768	Fluorene	74	J	33	ug/kg	81	J	36

4700	4 Nitroaniline	N D		67	ug/kg	N D	74

**** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202290 Account 10160 CHRYSLER CORPORATION

3751	4 6 Dinitro 2 methylphenol	N D		170	ug/kg	N D		190
3772	N Nitrosodiphenylamine	N D		33	ug/kg	N D		36
3773	4 Bromophenyl phenylether	N D		67	ug/kg	N D		74
3774	Hexachlorobenzene	N D		33	ug/kg	N D		36
1194	Pentachlorophenol	N D		170	ug/kg	N D		190
3775	Phenanthrene	840		33	ug/kg	920		36
3776	Anthracene	190	J	33	ug/kg	210	J	36
4702	Carbazole	91	J	33	ug/kg	100	J	36
3777	Di n butylphthalate	N D		67	ug/kg	N D		74
3778	Fluoranthene	1 500		33	ug/kg	1 600		36
1195	Pyrene	1 300		33	ug/kg	1 500		36
3780	Butylbenzylphthalate	N D		67	ug/kg	N D		74
3783	3 3 Dichlorobenzidine	N D		67	ug/kg	N D		74
3781	Benzo(a)anthracene	680		33	ug/kg	750		36
3784	bis(2 Ethylhexyl)phthalate	170	J	67	ug/kg	180	J	74
3782	Chrysene	650		33	ug/kg	710		36
3785	Di n octylphthalate	N D		67	ug/kg	N D		74
3786	Benzo(b)fluoranthene	950		33	ug/kg	1 000		36
3787	Benzo(k)fluoranthene	380		33	ug/kg	420		36
3788	Benzo(a)pyrene	730		33	ug/kg	810		36
3789	Indeno(1 2 3 cd)pyrene	590		33	ug/kg	650		36
3790	Dibenz(a h)anthracene	140	J	33	ug/kg	150	J	36
3791	Benzo(g h i)perylene	540		33	ug/kg	590		36

==========

6292	TCL by 8260 (soil)							
5444	Chloromethane	N D		2	ug/kg	N D		2
5446	Bromomethane	N D		3	ug/kg	N D		3
5445	Vinyl Chloride	N D		2	ug/kg	N D		2
5447	Chloroethane	N D		3	ug/kg	N D		3
5450	Methylene Chloride	6		2	ug/kg	7		2
6293	Acetone	N D		7	ug/kg	N D		8
6294	Carbon Disulfide	N D		3	ug/kg	N D		3
5449	1 1 Dichloroethene	N D		2	ug/kg	N D		2
5452	1 1 Dichloroethane	N D		1	ug/kg	N D		1
5455	Chloroform	N D		1	ug/kg	N D		1
5461	1 2 Dichloroethane	N D		2	ug/kg	N D		2
6296	2 Butanone	N D		7	ug/kg	N D		8
5457	1 1 1 Trichloroethane	N D		1	ug/kg	N D		1
5458	Carbon Tetrachloride	N D		1	ug/kg	N D		1
5465	Bromodichloromethane	N D		2	ug/kg	N D		2
5480	1 1 2 2 Tetrachloroethane	N D		1	ug/kg	N D		1
5463	1 2 Dichloropropane	N D		3	ug/kg	N D		3
6297	trans 1 3 Dichloropropene	N D		1	ug/kg	N D		1
5462	Trichloroethene	16		1	ug/kg	18		1
5470	Dibromochloromethane	N D		1	ug/kg	N D		1
5467	1 1 2 Trichloroethane	N D		2	ug/kg	N D		2
5460	Benzene	N D		1	ug/kg	N D		1
6298	cis 1 3 Dichloropropene	N D		1	ug/kg	N D		1

5478	Bromoform	N D	1	ug/kg	N D	1

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202290 Account 10160 CHRYSLER CORPORATION

6299	4 Methyl 2 pentanone	N D	3	ug/kg	N D	3
6300	2 Hexanone	N D	3	ug/kg	N D	3
5468	Tetrachloroethene	18	1	ug/kg	19	1
5466	Toluene	N D	1	ug/kg	N D	1
5472	Chlorobenzene	N D	1	ug/kg	N D	1
5474	Ethylbenzene	N D	1	ug/kg	N D	1
5477	Styrene	N D	1	ug/kg	N D	1
6301	Xylene (Total)	N D	1	ug/kg	N D	1
5451	trans 1 2 Dichloroethene	N D	2	ug/kg	N D	2
5454	cis 1 2 Dichloroethene	N D	2	ug/kg	N D	2

==========

Sample Number TL3202291 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/28/99

SP03TP02 Grab Soil Sample (TCLP Non Volatile Ext)
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
0259	Mercury	N D	0 00004	mg/l

The metal analyses were performed on a non volatile leachate prepared according to the procedure specified in SW 846 Chapter 7 4 (Revision 3 December 1994) A sample is considered to have failed the Toxicity Characteristic (TC) test and is considered a hazardous waste if any of the metal concentrations (mg/l) in the leachate exceed the following maxima (100 times the Primary Drinking Water Standards)

Arsenic	5 0	Cadmium	1 0	Lead	5 0	Selenium	1 0
Barium	100 0	Chromium	5 0	Mercury	0 2	Silver	5 0

==========

1746	Barium	0 78	0 0015	mg/l
1751	Chromium	N D	0 0054	mg/l
1753	Copper	0 0241 J	0 0058	mg/l
1755	Lead	0 029 J	0 023	mg/l
1766	Silver	N D	0 0057	mg/l
7035	Arsenic TR	N D	0 0070	mg/l
7036	Selenium TR	N D	0 0059	mg/l
7049	Cadmium TR	0 0020	0 00063	mg/l
7072	Zinc TR	0 055	0 0036	mg/l

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202292 Account 10160 CHRYSLER CORPORATION

Sample Number SW3202292 Account 10160 CHRYSLER CORPORATION
Date Submitted 07/29/99 Date Reported NOT REP
Date Collected 07/29/99

Storage Blank Water Sample
Site Code SC001 RFA# YGQP9900241
Dayton Thermal Products/Dayton OH

	ANALYSIS NAME	RESULT	METHOD DETECTION LIMIT	UNITS
6292	TCL by 8260 (soil)			
5444	Chloromethane	N D	2	ug/l
5446	Bromomethane	N D	3	ug/l
5445	Vinyl Chloride	N D	2	ug/l
5447	Chloroethane	N D	3	ug/l
5450	Methylene Chloride	N D	2	ug/l
6293	Acetone	N D	7	ug/l
6294	Carbon Disulfide	N D	3	ug/l
5449	1 1 Dichloroethene	N D	2	ug/l
5452	1 1 Dichloroethane	N D	1	ug/l
5455	Chloroform	N D	1	ug/l
5461	1 2 Dichloroethane	N D	2	ug/l
6296	2 Butanone	N D	7	ug/l
5457	1 1 1 Trichloroethane	N D	1	ug/l
5458	Carbon Tetrachloride	N D	1	ug/l
5465	Bromodichloromethane	N D	2	ug/l
5480	1 1 2 2 Tetrachloroethane	N D	1	ug/l
5463	1 2 Dichloropropane	N D	3	ug/l
6297	trans 1 3 Dichloropropene	N D	1	ug/l
5462	Trichloroethene	N D	1	ug/l
5470	Dibromochloromethane	N D	1	ug/l
5467	1 1 2 Trichloroethane	N D	2	ug/l
5460	Benzene	N D	1	ug/l
6298	cis 1 3 Dichloropropene	N D	1	ug/l
5478	Bromoform	N D	1	ug/l
6299	4 Methyl 2 pentanone	N D	3	ug/l
6300	2 Hexanone	N D	3	ug/l
5468	Tetrachloroethene	N D	1	ug/l
5466	Toluene	N D	1	ug/l
5472	Chlorobenzene	N D	1	ug/l
5474	Ethylbenzene	N D	1	ug/l
5477	Styrene	N D	1	ug/l
6301	Xylene (Total)	N D	1	ug/l
5451	trans 1 2 Dichloroethene	N D	2	ug/l
5454	cis 1 2 Dichloroethene	N D	2	ug/l

==========

***** Lancaster Laboratories Analytical Report *****
2425 New Holland Pike Lancaster PA 17601

Sample Number SW3202292 Account 10160 CHRYSLER CORPORATION

EPA Region 5 Records Ctr
349961

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FAX

Springfield Environmental Inc
1001 East Street
P O Box 2728
Springfield OH 45501-2728

Date 12-28-99

Number of pages including cover sheet 3

To Dave Strand
Onyx

Phone 651-490-1405

Fax Phone 651-490-1006

CC Jeff Fuston 937-331-5297

From Ed Lockwood II

Phone (937)324-6001

Fax Phone (937)324-5185

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Revised

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date 12/28/99 *
Report Released By

Ed Lockwood Jr. Pres

* This report has been revised from the original reported dated 12/27/99 The unit designation has been changed from ug/l to mg/l

PROJECT	Crysler / Bldg 53
LOCATION	Press #18
SAMPLE TYPE	Liquid
DATE TAKEN	12/23/99 10 00 a m
DATE RECEIVED	12/23/99
LABORATORY ID	48230-144

TOTAL VOLATILES

COMPONENT	CONCENTRATION (mg/l)	DETECTION LIMIT
Acetone	<1000	1000
Acetonitrile	< 500	500
Acrolein	<1000	1000
Acrylonitrile	<1000	1000
Allyl Chloride	< 500	500
Benzene	< 50	50
Bromodichloromethane	< 50	50
Bromoform	< 50	50
Bromomethane	< 100	100
2-Butanone (MEK)	12437 0	500
Carbon Disulfide	< 100	100
Carbon Tetrachloride	< 50	50
Chlorobenzene	< 50	50
Chloroethane	< 100	100
2-Chloroethyl Vinyl Ether	< 100	100
Chloroform	< 50	50
Chloromethane	< 100	100
Dibromochloromethane	< 50	50
1 2-Dibromo-3-chloropropane	< 500	500
1 2-Dibromoethane	< 50	50
1,2-Dichlorobenzene	< 50	50
1,3-Dichlorobenzene	< 50	50
1,4-Dichlorobenzene	< 50	50
trans-1 4-Dichloro-2-butene	< 50	50
Dichlorodifluoromethane	< 100	100

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ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID Crysler / Press #18
SAMPLE LOG # 48230-144

COMPONENT	CONCENTRATION (mg/l)	DETECTION LIMIT
1,1-Dichloroethane	< 50	50
1 2-Dichloroethane	< 50	50
1 1-Dichloroethene	< 50	50
trans-1,2-Dichloroethene	< 50	50
1,2-Dichloropropane	< 50	50
cis-1 3-Dichloropropene	< 50	50
trans-1,3-Dichloropropene	< 50	50
Diethyl Ether	< 50	50
Ethyl Methacrylate	<500	500
Ethylbenzene	441 0	50
2-Hexanone	<500	500
Methacrylonitrile	<500	500
Methyl Iodide	<100	100
Methyl Methacrylate	<500	500
Methylene Chloride	<100	100
4-Methyl-2 Pentanone	1235 0	500
Styrene	< 50	50
1 1,1,2-Tetrachloroethane	< 50	50
1 1,2 2-Tetrachloroethane	< 50	50
Tetrachloroethene	< 50	50
Toluene	591 0	50
1 1 1-Trichloroethane	< 50	50
1,1 2-Trichloroethane	< 50	50
Trichloroethene	< 50	50
Trichlorofluoromethane	<100	100
1,2,3-Trichloropropane	< 50	50
Vinyl Acetate	<500	500
Vinyl Chloride	<100	100
m-and p- Xylene	1894 0	50
o-Xylene	4425 0	50

Methodology Volatiles by Method SW846 8260, analyzed by RM on 12/24/99

% Recoveries		
	Dibromofluoromethane	91 %
	1,2-Dichloroethane-d4	96 %
	Toluene-d8	103 %
	4-Bromofluorobenzene	56 %

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FAX

Springfield Environmental Inc
1001 East Street
P O Box 2728
Springfield OH 45501-2728

Date 12-27-99

Number of pages including cover sheet 11

To		From	
Jeff Fuston		Ed Lockwood	
Onyx			
Phone	603-2899	Phone	(937)324-8001
Fax Phone	237-1850	Fax Phone	(937)324-5185
CC	Bret Crider 937-224-2529		

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

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937 324 8001

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WMIS / ONYX
ATTN JEFF FUSTON
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date 12/27/99

Report Released By

Ed Lockwood Jr Pres

PROJECT	Crysler / Dayton / Bldg 53
SAMPLE ID	Press #20
SAMPLE TYPE	Solid
SAMPLER	J Fuston
DATE TAKEN	12/23/99 10 00 a m
DATE RECEIVED	12/23/99
LABORATORY ID	48229-144

ANALYSIS

TEST	RESULTS	UNITS	ANALYST	DATE	METHOD
Flashpoint	212	F	PM	12/23/99	1010
pH	9 1	S U	RM	12/23/99	9045
TCLP Extraction			EL	12/23/99	1311
TCLP Metals					
Arsenic	< 0 020	mg/l	EL	12/24/99	7060
Barium	0 515	mg/l	EL	12/24/99	7080
Cadmium	< 0 020	mg/l	EL	12/24/99	7130
Chromium	< 0 050	mg/l	EL	12/24/99	7190
Lead	< 0 100	mg/l	EL	12/24/99	7420
Mercury	< 0 070	mg/l	EL	12/24/99	7470
Selenium	< 0 020	mg/l	EL	12/24/99	7740
Silver	< 0 010	mg/l	EL	12/24/99	7760

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ATTN JEFF FUSTON
WMIS / ONYX

SAMPLE ID Crysler / Press #20
LABORATORY ID 48229-144

ANALYSIS continued.

TCLP Volatiles.

COMPONENT	CONCENTRATION	DETECTION LIMIT
Benzene	< 0 100	0 100
Carbon Tetrachloride	< 0 100	0 100
Chlorobenzene	< 0 100	0 100
Chloroform	< 0 100	0 100
1 4-Dichlorobenzene	< 0 100	0 100
1 2-Dichloroethane	< 0 100	0 100
1 1-Dichloroethylene	< 0 100	0 100
Methyl ethyl ketone	< 0 500	0 500
Tetrachloroethylene	< 0 100 trace	0 100
Trichloroethylene	< 0 100	0 100
Vinyl chloride	< 0 100	0 100

TCLP Semi-Volatiles

2 4-Dinitrotoluene	< 0 100	0 100
Hexachlorobenzene	< 0 100	0 100
Hexachlorobutadiene	< 0 100	0 100
Hexachloroethane	< 0 100	0 100
Nitrobenzene	< 0 100	0 100
Pryidine	< 0 100	0 100
2-Methylphenol	< 0 100	0 100
3-Methylphenol	< 0 100	0 100
4-Methylphenol	< 0 100	0 100
Pentachlorophenol	< 0 100	0 100
2 4 5-Trichlorophenol	< 0 100	0 100
2 4 6-Trichlorophenol	< 0 100	0 100

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SAMPLE ID Crysler / Press #20
LABORATORY ID 48229-144

ANALYSIS continued.

TEST	RESULT	UNITS	ANALYST	DATE	METHOD
Reactivity					
Cyanide	< 1 0	mg/kg	RM	12/26/99	9010
Sulfide	< 5 0	mg/kg	RM	12/26/99	9030
PCB Total	< 10 0	mg/kg	RM	12/26/99	8082
TCLP Volatiles	pg 2	mg/l	RM	12/24/99	8260
TCLP Semi-Volatiles	pg	mg/l	RM	12/24/99	8270
TCLP Pesticide/Herbicide		mg/l	PM	12/26/99	8080

COMPONENT	CONCENTRATION	DETECTION LIMIT
Chlordane	< 0 008	0 008
Endrin	< 0 008	0 008
Heptachlor	< 0 008	0 008
Heptachlor Epoxide	< 0 008	0 008
Lindane	< 0 008	0 008
Methoxychlor	< 1 0	1 0
Toxaphene	< 0 050	0 050
2 4-D	< 1 0	1 0
2 4 5-TP (Silvex)	< 0 100	0 100

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date 12/27/99
Report Released By

Ed Lockwood Jr Pres

PROJECT	Chrysler / Bldg 53
LOCATION	Press #20
SAMPLE TYPE	Solid
DATE TAKEN	12/23/99 10 00 a m
DATE RECEIVED	12/23/99
LABORATORY ID	48229 144

TOTAL VOLATILES

COMPONENT	CONCENTRATION (ug/kg)	DETECTION LIMIT
Acetone	<100	100
Acetonitrile	< 50	50
Acrolein	<100	100
Acrylonitrile	<100	100
Allyl Chloride	< 50	50
Benzene	6 16	5
Bromodichloromethane	< 5	5
Bromoform	< 5	5
Bromomethane	< 10	10
2-Butanone	< 50	50
Carbon Disulfide	< 10	10
Carbon Tetrachloride	< 5	5
Chlorobenzene	< 5	5
Chloroethane	< 10	10
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 5	5
Chloromethane	< 10	10
Dibromochloromethane	< 5	5
1 2-Dibromo-3-chloropropane	< 50	50
1 2-Dibromoethane	< 5	5
1 2-Dichlorobenzene	< 5	5
1 3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
trans-1 4-Dichloro-2-butene	< 5	5
Dichlorodifluoromethane	< 10	10

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ATTN JEFF FUSTON
ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID Crysler / Press #20
SAMPLE LOG # 48229-144

COMPONENT	CONCENTRATION (ug/kg)	DETECTION LIMIT
1 1-Dichloroethane	< 5	5
1 2-Dichloroethane	< 5	5
1 1-Dichloroethene	< 5	5
trans-1 2-Dichloroethene	< 5	5
1 2-Dichloropropane	< 5	5
cis-1 3-Dichloropropene	< 5	5
trans 1 3-Dichloropropene	< 5	5
Diethyl Ether	< 5	5
Ethyl Methacrylate	<50	50
Ethylbenzene	< 5	5
2-Hexanone	<50	50
Methacrylonitrile	<50	50
Methyl Iodide	<10	10
Methyl Methacrylate	<50	50
Methylene Chloride	<10	10
4-Methyl-2-Pentanone	<50	50
Styrene	< 5	5
1 1 1 2-Tetrachloroethane	< 5	5
1 1 2 2-Tetrachloroethane	< 5	5
Tetrachloroethene	22 62	5
Toluene	< 5 trace	5
1 1 1-Trichloroethane	< 5	5
1 1 2-Trichloroethane	< 5	5
Trichloroethene	< 5	5
Trichlorofluoromethane	<10	10
1 2 3-Trichloropropane	< 5	5
Vinyl Acetate	<50	50
Vinyl Chloride	<10	10
m-and p Xylene	5 60	5
o-Xylene	< 5	5

Methodology Volatiles by Method SW846 8260 analyzed by RM on 12/24/99

% Recoveries		
	Dibromofluoromethane	108 %
	1 2-Dichloroethane d4	109
	Toluene-d8	95 %
	4-Bromofluorobenzene	87 %

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WMIS / ONYX
ATTN JEFF FUSTON
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date 12/27/99

Report Released By

Ed Lockwood Jr Pres

PROJECT Chrysler / Dayton / Bldg 53
SAMPLE ID Press #18
SAMPLE TYPE Liquid
SAMPLER J Fuston
DATE TAKEN 12/23/99 10 00 a m
DATE RECEIVED 12/23/99

LABORATORY ID 48230-144

ANALYSIS

TEST	RESULTS	UNITS	ANALYST	DATE	METHOD
Flashpoint	142	F	RM	12/23/99	1010
pH	3 7	S U	RM	12/23/99	9045
TCLP Extraction			EL	12/23/99	1311
TCLP Metals					
Arsenic	0 365	mg/l	EL	12/24/99	7060
Barium	14 96	mg/l	EL	12/24/99	7080
Cadmium	0 035	mg/l	EL	12/24/99	7130
Chromium	277 5	mg/l	EL	12/24/99	7190
Lead	24 8	mg/l	EL	12/24/99	7420
Mercury	0 017	mg/l	EL	12/24/99	7470
Selenium	< 0 162	mg/l	EL	12/24/99	7740
Silver	< 0 087	mg/l	EL	12/24/99	7760

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SAMPLE ID Crysler / Press #18
LABORATORY ID 48230-144

ANALYSIS continued.

TCLP Volatiles.

COMPONENT	CONCENTRATION	DETECTION LIMIT
Benzene	< 0 100	0 100
Carbon Tetrachloride	< 0 100	0 100
Chlorobenzene	< 0 100	0 100
Chloroform	< 0 100	0 100
1 4-Dichlorobenzene	< 0 100	0 100
1 2-Dichloroethane	< 0 100	0 100
1 1-Dichloroethylene	< 0 100	0 100
Methyl ethyl ketone	18472	0 500
Tetrachloroethylene	< 0 100	0 100
Trichloroethylene	< 0 100	0 100
Vinyl chloride	< 0 100	0 100

TCLP Semi-Volatiles.

2 4-Dinitrotoluene	< 0 100	0 100
Hexachlorobenzene	< 0 100	0 100
Hexachlorobutadiene	< 0 100	0 100
Hexachloroethane	< 0 100	0 100
Nitrobenzene	< 0 100	0 100
Pryidine	< 0 100	0 100
2-Methylphenol	< 0 100	0 100
3-Methylphenol	< 0 100	0 100
4-Methylphenol	< 0 100	0 100
Pentachlorophenol	< 0 100	0 100
2 4 5-Trichlorophenol	< 0 100	0 100
2 4 6-Trichlorophenol	< 0 100	0 100

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SAMPLE ID Crysler / Press #18
LABORATORY ID 48230-144

ANALYSIS continued.

TEST	RESULT	UNITS	ANALYST	DATE	METHOD
Reactivity					
Cyanide	< 1 0	mg/l	RM	12/26/99	9010
Sulfide	< 5 0	mg/l	RM	12/26/99	9030
PCB Total	< 10 0	mg/l	RM	12/26/99	8082
TCLP Volatiles	pg 2	mg/l	RM	12/24/99	8260
TCLP Semi-Volatiles	pg 2	mg/l	RM	12/24/99	8270
TCLP Pesticide/Herbicide		mg/l	RM	12/26/99	8080

COMPONENT	CONCENTRATION	DETECTION LIMIT
Chlordane	< 0 008	0 008
Endrin	< 0 008	0 008
Heptachlor	< 0 008	0 008
Heptachlor Epoxide	< 0 008	0 008
Lindane	< 0 008	0 008
Methoxychlor	< 1 0	1 0
Toxaphene	< 0 050	0 050
2 4 D	< 1 0	1 0
2 4 5-TP (Silvex)	< 0 100	0 100

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ATTN JEFF FUSTON
ONYX / WMIS
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date 12/27/99
Report ~~Released~~ By

Ed Lockwood Jr ~~Pres~~

PROJECT	Crysler / Bldg 53
LOCATION	Press #18
SAMPLE TYPE	Liquid
DATE TAKEN	12/23/99 10 00 a m
DATE RECEIVED	12/23/99
LABORATORY ID	48230-144

TOTAL VOLATILES

COMPONENT	CONCENTRATION (ug/l)	DETECTION LIMIT
Acetone	<1000	1000
Acetonitrile	< 500	500
Acrolein	<1000	1000
Acrylonitrile	<1000	1000
Allyl Chloride	< 500	500
Benzene	< 50	50
Bromodichloromethane	< 50	50
Bromoform	< 50	50
Bromomethane	< 100	100
2-Butanone (MEK)	12437 0 mg/L	500
Carbon Disulfide	< 100	100
Carbon Tetrachloride	< 50	50
Chlorobenzene	< 50	50
Chloroethane	< 100	100
2-Chloroethyl Vinyl Ether	< 100	100
Chloroform	< 50	50
Chloromethane	< 100	100
Dibromochloromethane	< 50	50
1 2-Dibromo-3-chloropropane	< 500	500
1 2-Dibromoethane	< 50	50
1 2-Dichlorobenzene	< 50	50
1 3-Dichlorobenzene	< 50	50
1 4-Dichlorobenzene	< 50	50
trans-1 4-Dichloro-2-butene	< 50	50
Dichlorodifluoromethane	< 100	100

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ONYX / WASTE MANAGEMENT INDUSTRIAL SERVICES

SAMPLE ID Crysler / Press #18
SAMPLE LOG # 48230-144

COMPONENT	CONCENTRATION (ug/l)	DETECTION LIMIT
1 1-Dichloroethane	< 50	50
1 2-Dichloroethane	< 50	50
1 1 Dichloroethene	< 50	50
trans-1 2-Dichloroethene	< 50	50
1 2-Dichloropropane	< 50	50
cis-1 3-Dichloropropene	< 50	50
trans-1 3-Dichloropropene	< 50	50
Diethy Ether	< 50	50
Ethyl Methacrylate	<500	500
Ethylbenzene	441 0	50
2-Hexanone	<500	500
Methacrylonitrile	<500	500
Methyl Iodide	<100	100
Methyl Methacrylate	<500	500
Methylene Chloride	<100	100
4-Methyl-2-Pentanone (Methylisobutylketone)	1235 0	500
Styrene	< 50	50
1,1 1 2-Tetrachloroethane	< 50	50
1 1 2 2 Tetrachloroethane	< 50	50
Tetrachloroethene	< 50	50
Toluene	591 0	50
1 1 1-Trichloroethane	< 50	50
1 1 2-Trichloroethane	< 50	50
Trichloroethene	< 50	50
Trichlorofluoromethane	<100	100
1 2 3-Trichloropropane	< 50	50
Vinyl Acetate	<500	500
Vinyl Chloride	<100	100
m-and p- Xylene	1894 0	50
o-Xylene	4425 0	50

Methodology Volatiles by Method SW846 8260 analyzed by RM on 12/24/99

% Recoveries		
Dibromofluoromethane	91 %	
1 2-Dichloroethane d4	96 %	
Toluene-d8	103 %	
4-Bromofluorobenzene	56 %	

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TO. Dave Strand
Ken Vogel

12/27/99

1 of 12

From. Mark

analytical Soil & Liquid From
TANK or VAULT

Bring fax cover sheets

Need to bring all analytical to site

LAB_MP_ID	MP_ID	DATESAMP	RECVD	ANALZD	CAS	PARAM	RESULT	QUAL	UNITS	MATRIX	METHOD	GROUP
PRESS#18	PRESS#18	12/23/1999	12/23/1999		630 20-6	1 1 1 2 Tetrachloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		71 55-6	1 1 1 Trichloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		79 34 5	1 1 2 2 Tetrachloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		79-00 5	1 1 2 Trichloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-34 3	1 1 Dichloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-35-4	1 1 Dichloroethene	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-35-4	1 1 Dichloroethene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		96 18-4	1 2 3 Trichloropropane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		96-12 8	1 2 Dibromo-3 chloropropane	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		106-93-4	1 2 Dibromoethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		95-50 1	1 2 Dichlorobenzene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		107-06-2	1 2 Dichloroethane	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		107-06-2	1 2 Dichloroethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		78-87 5	1 2 Dichloropropane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		541 73 1	1 3 Dichlorobenzene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		106-46-7	1 4 Dichlorobenzene	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		106-46-7	1 4 Dichlorobenzene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		93 72 1	2 4 5-TP (Silvex)	0 1	U	MG/L	LIQUID		TCLPHERB
PRESS#18	PRESS#18	12/23/1999	12/23/1999		95 95-4	2 4 5-Trichlorophenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		88-06-2	2 4 6-Trichlorophenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		94 75 7	2 4 D	1	U	MG/L	LIQUID		TCLPHERB
PRESS#18	PRESS#18	12/23/1999	12/23/1999		121 14 2	2 4 Dinitrotoluene	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		78 93 3	2 Butanone (MEK)	18472		MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		78 93 3	2 Butanone (MEK)	12437		MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		110 75 8	2 Chloroethyl vinyl ether	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		591 78-6	2 Hexanone	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		95-48-7	2 Methylphenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		108 39-4	3 Methylphenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		108 10-1	4 Methyl 2 pentanone	1235		MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		106-44 5	4 Methylphenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		67 64 1	Acetone	1000	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75 05-8	Acetonitrile	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		107 02 8	Acrolein	1000	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		107 13 1	Acrylonitrile	1000	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		107-05-1	Allyl chloride	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		7440 38 2	Arsenic	0 365		MG/L	LIQUID	7060	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999		7440-39 3	Barium	14 96		MG/L	LIQUID	7080	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999		71-43 2	Benzene	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		71-43 2	Benzene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-27-4	Bromodichloromethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-25-2	Bromoform	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		74 83 9	Bromomethane	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		7440-43 9	Cadmium	0 035		MG/L	LIQUID	7130	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-15-0	Carbon disulfide	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		56 23 5	Carbon tetrachloride	0 1	U	MG/L	LIQUID		TCLPVOC

PRESS#18	PRESS#18	12/23/1999	12/23/1999	56 23 5	Carbon tetrachloride	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	57 74 9	Chlordane	0 008	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	108-90 7	Chlorobenzene	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	108 90 7	Chlorobenzene	50	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	75 00 3	Chloroethane	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	67 66 3	Chloroform	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	67 66-3	Chloroform	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	74 87 3	Chloromethane	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	7440-47 3	Chromium	277 5		MG/L	LIQUID	7190	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999	10061 01 5	cis 1 3 Dichloropropene	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	124-48 1	Dibromochloromethane	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	75-71 8	Dichlorodifluoromethane	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Diethyl ether	50	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	72 20 8	Endrin	0 008	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Ethyl methacrylate	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	100-41-4	Ethylbenzene	441		MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	76-44 8	Heptachlor Chlor	0 008	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	1024 57 3	Heptachlor epoxide	0 008	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	118 74 1	Hexachlorobenzene	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	87 68-3	Hexachlorobutadiene	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	67 72 1	Hexachloroethane	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Ignitability	142		F		1010	OTHER
PRESS#18	PRESS#18	12/23/1999	12/23/1999	7439 92 1	Lead	24 8		MG/L	LIQUID	7420	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999	58-89 9	Lindane — how does this space w/ other data?	0 008	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	108-38-3	m and p- Xylene	1894		MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	7439 97 6	Mercury	0 017		MG/L	LIQUID	7470	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999	126-98-7	Methacrylonitrile	500	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	72-43 5	Methoxychlor	1	U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	74 88-4	Methyl iodide	100	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Methyl methacrylate	500	U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	75-09 2	Methylene chloride	100	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	98 95 3	Nitrobenzene	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	95-47 6	o Xylene	4425		MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		PCBs Total	10	U	MG/L	LIQUID		PEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999	87 86-5	Pentachlorophenol	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		pH	3 7				9045	OTHER
PRESS#18	PRESS#18	12/23/1999	12/23/1999	110 86-1	Pyridine	0 1	U	MG/L	LIQUID		TCLPSVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Reactivity cyanide	1	U	MG/L	LIQUID		OTHER
PRESS#18	PRESS#18	12/23/1999	12/23/1999		Reactivity sulfide	5	U	MG/L	LIQUID		OTHER
PRESS#18	PRESS#18	12/23/1999	12/23/1999	7782-49 2	Selenium	0 162	U	MG/L	LIQUID	7740	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999	7440 22-4	Silver	0 087	U	MG/L	LIQUID	7760	TCLPMETALS
PRESS#18	PRESS#18	12/23/1999	12/23/1999	100-42 5	Styrene	50	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	127 18-4	Tetrachloroethene	0 1	U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	127 18-4	Tetrachloroethene	50	U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	108-88-3	Toluene	591		MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999	1330 20 7	Total Xylene	6319		MG/L	LIQUID	SW846 8260	VOC

PRESS#18	PRESS#18	12/23/1999	12/23/1999		8001 35 2	Toxaphene	0 05 U	MG/L	LIQUID		TCLPPEST
PRESS#18	PRESS#18	12/23/1999	12/23/1999		156-60 5	trans 1 2 Dichloroethene	50 U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		10061 02 6	trans 1 3 Dichloropropene	50 U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999			trans 1 4 Dichloro 2 butene	50 U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		79 01-6	Trichloroethene	0 1 U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		79 01 6	Trichloroethene	50 U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-69 4	Trichlorofluoromethane	100 U	MG/L	LIQUID	SW846 8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		108-05-4	Vinyl acetate	500 U	MG/L	LIQUID	SW846-8260	VOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-01-4	Vinyl chloride	0 1 U	MG/L	LIQUID		TCLPVOC
PRESS#18	PRESS#18	12/23/1999	12/23/1999		75-01-4	Vinyl chloride	100 U	MG/L	LIQUID	SW846-8260	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		630 20 6	1 1 1 2 Tetrachloroethane	5 U	UG/KG	SOIL	SW846-8302	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		71 55-6	1 1 1 Trichloroethane	5 U	UG/KG	SOIL	SW846-8306	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		79 34 5	1 1 2 2 Tetrachloroethane	5 U	UG/KG	SOIL	SW846-8303	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		79 00 5	1 1 2 Trichloroethane	5 U	UG/KG	SOIL	SW846-8307	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75 34 3	1 1 Dichloroethane	5 U	UG/KG	SOIL	SW846-8285	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-35-4	1 1 Dichloroethene	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-35-4	1 1 Dichloroethene	5 U	UG/KG	SOIL	SW846-8287	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		96-18-4	1 2 3 Trichloropropane	5 U	UG/KG	SOIL	SW846-8310	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		96-12 8	1 2 Dibromo-3-chloropropane	50 U	UG/KG	SOIL	SW846-8278	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		106-93-4	1 2 Dibromoethane	5 U	UG/KG	SOIL	SW846-8279	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		95-50 1	1 2 Dichlorobenzene	5 U	UG/KG	SOIL	SW846-8280	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		107 06-2	1 2 Dichloroethane	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		107-06-2	1 2 Dichloroethane	5 U	UG/KG	SOIL	SW846-8286	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		78-87 5	1 2 Dichloropropane	5 U	UG/KG	SOIL	SW846-8289	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		541 73 1	1 3 Dichlorobenzene	5 U	UG/KG	SOIL	SW846-8281	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		106-46-7	1 4 Dichlorobenzene	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		106-46-7	1 4 Dichlorobenzene	5 U	UG/KG	SOIL	SW846-8282	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		93 72 1	2 4 5-TP (Silvex)	0 1 U	MG/L	SOIL		TCLPHERB
PRESS#20	PRESS#20	12/23/1999	12/23/1999		95-95-4	2 4 5-Trichlorophenol	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		88-06-2	2 4 6-Trichlorophenol	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		94 75-7	2 4 D	1 U	MG/L	SOIL		TCLPHERB
PRESS#20	PRESS#20	12/23/1999	12/23/1999		121 14 2	2 4 Dinitrotoluene	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		78-93 3	2 Butanone (MEK)	0 5 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		78-93 3	2 Butanone (MEK)	50 U	UG/KG	SOIL	SW846-8269	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		110 75 8	2 Chloroethyl vinyl ether	10 U	UG/KG	SOIL	SW846-8274	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		591 78 6	2 Hexanone	50 U	UG/KG	SOIL	SW846-8295	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		95-48 7	2 Methylphenol	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108-39 4	3 Methylphenol	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108-10 1	4 Methyl 2 pentanone	50 U	UG/KG	SOIL	SW846-8300	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		106-44 5	4 Methylphenol	0 1 U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		67 64 1	Acetone	100 U	UG/KG	SOIL	SW846-8260	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-05-8	Acetonitrile	50 U	UG/KG	SOIL	SW846-8261	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		107-02 8	Acrolein	100 U	UG/KG	SOIL	SW846-8262	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		107 13 1	Acrylonitrile	100 U	UG/KG	SOIL	SW846-8263	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		107 05-1	Allyl chloride	50 U	UG/KG	SOIL	SW846-8264	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7440-38-2	Arsenic	0 02 U	MG/L	SOIL	7060	TCLPMETALS

PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7440 39 3	Barium	0 515		MG/L	SOIL	7080	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		71-43 2	Benzene	0 1	U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		71-43 2	Benzene	6 16		UG/KG	SOIL	SW846-8265	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-27-4	Bromodichloromethane	5	U	UG/KG	SOIL	SW846-8266	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75 25-2	Bromoform	5	U	UG/KG	SOIL	SW846-8267	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		74 83 9	Bromomethane	10	U	UG/KG	SOIL	SW846 8268	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7440-43 9	Cadmium	0 02	U	MG/L	SOIL	7130	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75 15-0	Carbon disulfide	10	U	UG/KG	SOIL	SW846-8270	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		56-23 5	Carbon tetrachloride	0 1	U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		56-23 5	Carbon tetrachloride	5	U	UG/KG	SOIL	SW846-8271	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		57 74 9	Chlordane	0 008	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108-90-7	Chlorobenzene	0 1	U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108 90 7	Chlorobenzene	5	U	UG/KG	SOIL	SW846-8272	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-00 3	Chloroethane	10	U	UG/KG	SOIL	SW846-8273	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		67-66-3	Chloroform	0 1	U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		67 66-3	Chloroform	5	U	UG/KG	SOIL	SW846-8275	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		74 87 3	Chloromethane	10	U	UG/KG	SOIL	SW846-8276	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7440-47 3	Chromium	0 05	U	MG/L	SOIL	7190	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		10061-01 5	cis 1 3 Dichloropropene	5	U	UG/KG	SOIL	SW846-8290	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		124-48-1	Dibromochloromethane	5	U	UG/KG	SOIL	SW846-8277	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75 71 8	Dichlorodifluoromethane	10	U	UG/KG	SOIL	SW846-8284	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			Diethyl ether	5	U	UG/KG	SOIL	SW846-8292	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		72 20-8	Endrin	0 008	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999			Ethyl methacrylate	50	U	UG/KG	SOIL	SW846-8293	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		100-41-4	Ethylbenzene	5	U	UG/KG	SOIL	SW846-8294	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		76-44 8	Heptaclor chlor	0 008	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		1024 57 3	Heptaclor epoxide	0 008	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		118-74 1	Hexachlorobenzene	0 1	U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		87 68-3	Hexachlorobutadiene	0 1	U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		67 72 1	Hexachloroethane	0 1	U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			Ignitability	212	>	F	SOIL	1010	OTHER
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7439 92 1	Lead	0 1	U	MG/L	SOIL	7420	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		58-89 9	Lindane	0 008	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108-38 3	m and p- Xylene	5 6		UG/KG	SOIL	SW846-8313	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7439-97-6	Mercury	0 02	U	MG/L	SOIL	7470	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		126-98-7	Methacrylonitrile	50	U	UG/KG	SOIL	SW846-8296	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		72-43 5	Methoxychlor	1	U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		74 88-4	Methyl iodide	10	U	UG/KG	SOIL	SW846-8297	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			Methyl methacrylate	50	U	UG/KG	SOIL	SW846-8298	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-09 2	Methylene chloride	10	U	UG/KG	SOIL	SW846-8299	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		98-95-3	Nitrobenzene	0 1	U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		95-47 6	o-Xylene	5	U	UG/KG	SOIL	SW846-8314	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			PCBs Total	10	U	MG/KG	SOIL		PEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		87 86-5	Pentachlorophenol	0 1	U	MG/L	SOIL		TCLPSVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			pH	9 1			SOIL	9045	OTHER
PRESS#20	PRESS#20	12/23/1999	12/23/1999		110-86-1	Pyridine	0 1	U	MG/L	SOIL		TCLPSVOC

PRESS#20	PRESS#20	12/23/1999	12/23/1999			Reactivity cyanide	1 U	MG/KG	SOIL		OTHER
PRESS#20	PRESS#20	12/23/1999	12/23/1999			Reactivity sulfide	5 U	MG/KG	SOIL		OTHER
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7782-49 2	Selenium	0 02 U	MG/L	SOIL	7740	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999	12/24/1999	7440 22-4	Silver	0 01 U	MG/L	SOIL	7760	TCLPMETALS
PRESS#20	PRESS#20	12/23/1999	12/23/1999		100-42 5	Styrene	5 U	UG/KG	SOIL	SW846-8301	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		127 18-4	Tetrachloroethene	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		127 18-4	Tetrachloroethene	22 62	UG/KG	SOIL	SW846-8304	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108 88-3	Toluene	5 U	UG/KG	SOIL	SW846-8305	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		1330 20 7	Total Xylene	5 6	UG/KG	SOIL	SW846 8315	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		8001 35-2	Toxaphene	0 05 U	MG/L	SOIL		TCLPPEST
PRESS#20	PRESS#20	12/23/1999	12/23/1999		156-60 5	trans 1 2 Dichloroethene	5 U	UG/KG	SOIL	SW846-8288	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		10061 02-6	trans 1 3 Dichloropropene	5 U	UG/KG	SOIL	SW846-8291	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999			trans 1 4 Dichloro-2 butene	5 U	UG/KG	SOIL	SW846 8283	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		79-01 6	Trichloroethene	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		79 01 6	Trichloroethene	5 U	UG/KG	SOIL	SW846-8308	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75 69-4	Trichlorofluoromethane	10 U	UG/KG	SOIL	SW846-8309	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		108-05-4	Vinyl acetate	50 U	UG/KG	SOIL	SW846-8311	VOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-01-4	Vinyl chloride	0 1 U	MG/L	SOIL		TCLPVOC
PRESS#20	PRESS#20	12/23/1999	12/23/1999		75-01-4	Vinyl chloride	10 U	UG/KG	SOIL	SW846-8312	VOC

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EPA Region 5 Records Ctr
349962

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566945	SAMPLE DESCRIPTION L9910267-12 PZ021I							DATE-TIME TAKEN 10/13/1999 10 20	
Tetrachloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	12 8		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	103		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	96		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/26/1999	mrh		2117	SW 8260A

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10/27/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566946	SAMPLE DESCRIPTION L9910267-13 PZ007I							DATE-TIME TAKEN 10/13/1999 10 20	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/26/1999	mrh		2117	
Acetone	<20 0		ug/L	<20 0	10/26/1999	mrh		2117	SW 8260A
Benzene	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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ANALYTICAL REPORT

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Marietta, OH 45750

10/27/1999

Job Number 99 17963

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566946	SAMPLE DESCRIPTION L9910267-13 PZ007I							DATE-TIME TAKEN 10/13/1999 10 20	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	6 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Marietta, OH 45750

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SAMPLE NO 566946	SAMPLE DESCRIPTION L9910267-13 PZ007I							DATE-TIME TAKEN 10/13/1999 10 20	
Tetrachloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	5 8		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	108		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	100		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	91		%		10/26/1999	mrh		2117	SW 8260A

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SAMPLE NO 566947	SAMPLE DESCRIPTION L9910267-14 MW018S							DATE-TIME TAKEN 10/13/1999 10 30	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/19/1999	mrh		2104	
Acetone	<20 0		ug/L	<20 0	10/19/1999	mrh		2104	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromobenzene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Carbon tetrachloride	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroform	1 8		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566947	SAMPLE DESCRIPTION L9910267-14 MW018S							DATE-TIME TAKEN 10/13/1999 10 30	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethane	24 1		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethene	13 3		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 2 Dichloroethene	136		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 2 Dichloroethene	1 9		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Ethylbenzene	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566947	SAMPLE DESCRIPTION L9910267-14 MW018S							DATE-TIME TAKEN 10/13/1999 10 30	
Tetrachloroethene	826		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 Trichloroethane	152		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichloroethene	79 7		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	5 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Surrogate Dibromofluoromethane	96		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Toluene d8	105		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566948	SAMPLE DESCRIPTION L9910267-15 MWB002							DATE-TIME TAKEN 10/13/1999 10 40	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/19/1999	mrh		2104	
Acetone	<20 0		ug/L	<20 0	10/19/1999	mrh		2104	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566948	SAMPLE DESCRIPTION L9910267-15 MWB002							DATE-TIME TAKEN 10/13/1999 10 40	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566948	SAMPLE DESCRIPTION L9910267-15 MWB002							DATE-TIME TAKEN 10/13/1999 10 40	
Tetrachloroethene	2 3		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Chloride	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Surrogate Dibromofluoromethane	113		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Toluene d8	99		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Bromofluorobenzene	93		%		10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566949	SAMPLE DESCRIPTION L9910267-16 MWC002							DATE-TIME TAKEN 10/13/1999 10 50	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/19/1999	mrh		2104	
Acetone	<20 0		ug/L	<20 0	10/19/1999	mrh		2104	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
n Butylbenzene	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Chlorotoluene	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta OH 45750

10/27/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566949	SAMPLE DESCRIPTION L9910267-16 MWC002							DATE-TIME TAKEN 10/13/1999 10 50	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 3 Dichloropropene	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566949	SAMPLE DESCRIPTION L9910267-16 MWC002							DATE-TIME TAKEN 10/13/1999 10 50	
Tetrachloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Surrogate Dibromofluoromethane	113		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Toluene d8	101		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566950	SAMPLE DESCRIPTION L9910267-17 PZ017D							DATE-TIME TAKEN 10/13/1999 11 25	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/19/1999	mrh		2104	
Acetone	<20 0		ug/L	<20 0	10/19/1999	mrh		2104	SW 8260A
Benzene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
tert Butylbenzene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
n Butylbenzene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
Bromochloromethane	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566950	SAMPLE DESCRIPTION L9910267-17 PZ017D							DATE-TIME TAKEN 10/13/1999 11 25	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethane	1 4		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 2 Dichloroethene	26 9		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 3 Dichloropropene	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566950	SAMPLE DESCRIPTION L9910267-17 PZ017D							DATE-TIME TAKEN 10/13/1999 11 25	
Tetrachloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichloroethene	1 5		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Chloride	13 2		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Surrogate Dibromofluoromethane	112		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Toluene d8	100		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566951	SAMPLE DESCRIPTION L9910267-18 PZ017I							DATE-TIME TAKEN 10/13/1999 10 15	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/19/1999	mrh		2104	
Acetone	<20 0		ug/L	<20 0	10/19/1999	mrh		2104	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566951	SAMPLE DESCRIPTION L9910267-18 PZ017I							DATE-TIME TAKEN 10/13/1999 10 15	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloroethane	1 3		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 2 Dichloroethene	19 9		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 2 Dichloroethene	2 6		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 Dichloropropane	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
p Isopropyltoluene	<1 0		ug/L	1 0	10/19/1999	mrh		2104	SW 8260A
Bromomethane	<5 0		ug/L	5 0	10/19/1999	mrh		2104	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/19/1999	mrh		2104	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 2 Tetrachloroethane	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A

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SAMPLE NO 566951	SAMPLE DESCRIPTION L9910267-18 PZ017I							DATE-TIME TAKEN 10/13/1999 10 15	
Tetrachloroethene	612		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 1 1 Trichloroethane	14 7		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 1 2 Trichloroethane	1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichloroethene	56 6		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/19/1999	mrh		2104	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/19/1999	mrh		2104	SW 8260A
Surrogate Dibromofluoromethane	109		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Toluene d8	102		%		10/19/1999	mrh		2104	SW 8260A
Surrogate Bromofluorobenzene	95		%		10/19/1999	mrh		2104	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566952	SAMPLE DESCRIPTION L9910267-19 MWA005								DATE-TIME TAKEN 10/13/1999 10 20
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<200		ug/L	<200	10/25/1999	jpf		2118	SW 8260A
Benzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromoform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<10		ug/L	10	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<10		ug/L	10	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

SAMPLE NO 566952 — SAMPLE DESCRIPTION L9910267-19 MWA005 — DATE-TIME TAKEN 10/13/1999 10 20

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
1 4 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	154		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	306		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	115		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
n Hexane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Styrene	<10		ug/L	10	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566952	SAMPLE DESCRIPTION L9910267-19 MWA005							DATE-TIME TAKEN 10/13/1999 10 20	
Tetrachloroethene	46 3		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Toluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	2 280		ug/L	<50 0	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	1 370		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<10		ug/L	10	10/25/1999	jpf		2118	SW 8260A
Xylenes	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	96		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	99		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	95		%		10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566953	SAMPLE DESCRIPTION L9910267-20 PZ013I							DATE-TIME TAKEN 10/13/1999 10 20	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<200		ug/L	<200	10/25/1999	jpf		2118	SW 8260A
Benzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromoform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566953	SAMPLE DESCRIPTION L9910267-20 PZ013I							DATE-TIME TAKEN 10/13/1999 10 20	
1 4 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	20 5		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	17 6		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	29 2		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
n Hexane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Styrene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17963

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566953	SAMPLE DESCRIPTION L9910267-20 PZ013I							DATE-TIME TAKEN 10/13/1999 10 20	
Tetrachloroethene	591		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Toluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	177		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	90 0		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Xylenes	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	102		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	101		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	96		%		10/25/1999	jpf		2118	SW 8260A

TestAmerica
INCORPORATED

QUALITY CONTROL FLAG DEFINITIONS

Job Number 99 17963

(*) Indicates an out-of-control QC The analytical data was reported based on other supporting quality control information

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits

(SS) Indicates that the MS and MSD were out of statistical advisory limits

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits

(MSR) Indicates that the MS and RPD were out of statistical advisory limits

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount Care should be used in interpreting this data

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits A sample matrix effect is usually indicated

(DW) Indicates Dry Weight

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs) These PQLs are based upon a typical standard weight used for a non-aqueous sample The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis

NO 7213

SAMPLE LOG-OUT FORM

KEMRON ENVIRONMENTAL SERVICES, INC
109 STARLITE PARK
MARIETTA, OHIO 45750
(740) 373-4071

TO Test Amer

REPORT TO ATTN P. Jane

TURNAROUND 10/25/99

PO # 509468

SHIPPED VIA UPS(1)

CHARGE TO ____IH X LAB ____SI

Kemron Work Order	Sample ID	Analysis	Date/Time Collected	Price
L9910267-01	MWC001	8260 n-Hexane	10/13/99 @ 0900	
-02	MWB001		0910	
-03	MWA001		0910	
-04	P2022I		0925	
05	MW020S		0945	
06	MWB003		0940	
07	P2020D		0955	
08	MW007S		1000	
09	P2191		1000	
10	MWB005		1005	
11	MWB004		1015	
12	P2021D		1030	
13	P2007I		1020	
14	MW018S		1030	
15	MWB002		1040	
16	MWC002		1050	
17	P2017D		1125	

Relinquished by	Tracy Baldwin	Date 10/14/99	Time 1615
Received by	Candace J VanZant	Date 10/15/99	Time 930

Logout

Revised 01/08/98

4°C

NO 172 2/3

SAMPLE LOG-OUT FORM

KEMRON ENVIRONMENTAL SERVICES, INC
109 STARLITE PARK
MARIETTA, OHIO 45750
(740) 373-4071

TO Test Amer.

REPORT TO ATTN P Kane

TURNAROUND 10/25/99

PO # 509468

SHIPPED VIA UPSU

CHARGE TO ____IH X LAB ____SI

Kemron Work Order	Sample ID	Analysis	Date/Time Collected	Price
L9910267-18	PZ017I	10/1358260-n-Hexane	10/13/99 @ 1015	
19	MWA005		1020	
20	PZ013I		1030	
21	PZ016I		1155	
22	PZ011I/DUP		~~1200~~ 1155	
23	PZ012I		1200	
24	MW010S		1210	
25	PZ012D		1230	
26	MWA006		1240	
27	PZ014I		1230	
28	PZ009D		1230	
29	MWA003		1240	
30	MWB006		1300	
31	PZ016D		1305	
32	PZ008D			
33	MW008S			
34	MWA002			

Relinquished by	Date	Time
Jackie Baldwin	10/14/99	1615
Received by	**Date**	**Time**
C. Van Zant	10/15/99	930

Logout

Revised 01/08/98

402

TestAmerica
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ANALYTICAL AND QUALITY CONTROL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17969

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc for analysis

Sample Number	Sample Description	Date Taken	Date Received
566984	L9910267-41 MWA004	10/13/1999	10/15/1999
566985	L9910267-21WL0004	10/13/1999	10/15/1999
566986	L9910267-43 Trip Blank	10/13/1999	10/15/1999

The Quality Control report is generated on a batch basis All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed

TestAmerica, Inc certifies that the analytical results contained herein apply only to the specific samples analyzed

Reproduction of this analytical report is permitted only in its entirety

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON OH 45439 / 937 294 6856 / FAX 937 294 7816

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17969

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566984	SAMPLE DESCRIPTION L9910267-41 MWA004							DATE-TIME TAKEN 10/13/1999 14 15	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2119	
Acetone	<1 000		ug/L	<1 000	10/26/1999	mrh		2119	SW 8260A
Benzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
tert Butylbenzene	<50		ug/L	50	10/26/1999	mrh		2119	SW 8260A
sec Butylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
n Butylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Bromochloromethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Bromodichloromethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Bromoform	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Bromobenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
2 Butanone (MEK)	<625		ug/L	<625	10/26/1999	mrh		2119	SW 8260A
Carbon disulfide	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Carbon tetrachloride	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Chlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Chloroethane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
2 Chlorotoluene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
4 Chlorotoluene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Chloroform	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Chloromethane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
Dibromochloromethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Dibromomethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Dichlorodifluoromethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 2 Dibromo 3 chloropropane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
1 2 Dichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 3 Dichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A

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ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17969

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566984	SAMPLE DESCRIPTION L9910267-41 MWA004							DATE-TIME TAKEN 10/13/1999 14 15	
1 4 Dichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
cis 1 2 Dichloroethene	7 260		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
trans 1 2 Dichloroethene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloropropane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 3 Dichloropropane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
2 2 Dichloropropane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloropropene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
cis 1 3 Dichloropropene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
trans 1 3 Dichloropropene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Ethylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Hexachlorobutadiene	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
n Hexane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
2 Hexanone	<625		ug/L	<625	10/26/1999	mrh		2119	SW 8260A
Isopropylbenzene (Cumene)	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
p Isopropyltoluene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Bromomethane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
Methylene Chloride	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
4 Methyl 2 pentanone (MIBK)	<625		ug/L	<625	10/26/1999	mrh		2119	SW 8260A
n Propylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Styrene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Naphthalene	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
1 1 1 2 Tetrachloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 1 2 2 Tetrachloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A

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Pat Lane
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109 Starlite Park
Marietta OH 45750

10/27/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566984	SAMPLE DESCRIPTION L9910267-41 MWA004							DATE-TIME TAKEN 10/13/1999 14 15	
Tetrachloroethene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Toluene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trichlorobenzene	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
1 1 1 Trichloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 1 2 Trichloroethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Trichloroethene	14 300		ug/L	<500	10/27/1999	mrh		2121	SW 8260A
Trichlorofluoromethane	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 2 3 Trichloropropane	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trimethylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
1 3 5 Trimethylbenzene	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Vinyl Acetate	<250		ug/L	<250	10/26/1999	mrh		2119	SW 8260A
Vinyl Chloride	3 020		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Xylenes	<50		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Surrogate Dibromofluoromethane	102		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Toluene d8	99		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Bromofluorobenzene	97		%		10/26/1999	mrh		2119	SW 8260A

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ANALYTICAL REPORT

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109 Starlite Park
Marietta OH 45750

10/27/1999

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Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566985	SAMPLE DESCRIPTION L9910267-21WL0004							DATE-TIME TAKEN 10/13/1999 15 05	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/26/1999	mrh		2117	
Acetone	<20 0		ug/L	<20 0	10/26/1999	mrh		2117	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

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Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566985	SAMPLE DESCRIPTION L9910267-21WL0004							DATE-TIME TAKEN 10/13/1999 15 05	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	81 2		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 2 Dichloroethene	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17969

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566985	SAMPLE DESCRIPTION L9910267-21WL0004							DATE-TIME TAKEN 10/13/1999 15 05	
Tetrachloroethene	12 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	132		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	6 8		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	111		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	99		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	96		%		10/26/1999	mrh		2117	SW 8260A

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Marietta, OH 45750

10/27/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566986	SAMPLE DESCRIPTION L9910267-43 Trip Blank						DATE-TIME TAKEN 10/13/1999		
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/25/1999	mrh		2116	
Acetone	<20 0		ug/L	<20 0	10/25/1999	mrh		2116	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/25/1999	mrh		2116	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/27/1999

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Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566986	SAMPLE DESCRIPTION L9910267-43 Trip Blank						DATE-TIME TAKEN 10/13/1999		
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
cis 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	1 0	10/25/1999	mrh		2116	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/25/1999	mrh		2116	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/25/1999	mrh		2116	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A

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Pat Lane
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109 Starlite Park
Marietta, OH 45750

10/27/1999

Job Number 99 17969

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566986	**SAMPLE DESCRIPTION L9910267-43 Trip Blank**							**DATE-TIME TAKEN 10/13/1999**	
Tetrachloroethene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Trichloroethene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/25/1999	mrh		2116	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/25/1999	mrh		2116	SW 8260A
Surrogate Dibromofluoromethane	99		%		10/25/1999	mrh		2116	SW 8260A
Surrogate Toluene d8	100		%		10/25/1999	mrh		2116	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/25/1999	mrh		2116	SW 8260A

TestAmerica
INCORPORATED

QUALITY CONTROL FLAG DEFINITIONS

Job Number 99 17969

(*) Indicates an out-of-control QC The analytical data was reported based on other supporting quality control information

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits

(SS) Indicates that the MS and MSD were out of statistical advisory limits

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits

(MSR) Indicates that the MS and RPD were out of statistical advisory limits

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount Care should be used in interpreting this data

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits A sample matrix effect is usually indicated

(DW) Indicates Dry Weight

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs) These PQLs are based upon a typical standard weight used for a non-aqueous sample The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis

Daimler CHRYSLER CORPORATION

Chain-of-Custody

114985 A

4th Qtr GW Sampling

CompuChem via Kemron
501 Madison Avenue
Cary NC 27513
Phone Number 1 800-833 5097
Fax Number (919) 379-4050

Project Name: Dayton Thermal Products
Site Location: Dayton, OH
Site Code: SC001
RFA Number: YGQD9900258
Chrysler PM: Gary Shawcuk

Consultant: LBG
Address: 1210 West County Road E, St Paul MN 55112
Consultant PM: Ken Vogel
Phone: 651 490 1405 Fax: 1006

Turn-around Time Requested: 24 calendar hrs; 48 calendar hrs; ~~10 days~~ 14 day; 28 days

Data Package Deliverables (circle): Chrysler Level 1; Chrysler Level 2; Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative: VOC/8260/40ml/HCl

Matrix Codes: S = Soil; GW = Ground water; Sed = Sediment; O = Other (specify) Lab water; SW = Surface Water; A = Air

Lab Use Only: Volatile pH < 2; Metals pH < 2; Cyanide pH > 12; Other

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC/8260/40ml/HCl	Remarks
MWT101399	—	—	G	O	6	X	Trip blank

No lab water supplied to ~~conduct~~ collect equipment blanks

C/C sealed
SXS intact
cooler temp -10

Sampler(s): Dave Strand, Mike Plante, Dave Olson
Cooler ID #: KL-266
Is RFA sampling complete? Yes N

Bottle Relinquished and Airbill No.: Kemron Courier
Samples Relinquished under Airbill No.: 813874857794
Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
			Jeffrey Barnhart	10/14/99	0954	Yes N
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes N
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution: White copy Data package; Yellow Retained by laboratory; Pink Retained by sampler

Revision No. 1
Date September 1 1997

Daimler CHRYSLER CORPORATION

Chain-of-Custody

04981 A

4th Qtr GW Sampling

CompuChem Via Kemron	Project Name	Dayton Thermal Products	Consultant LBG
501 Madison Avenue	Site Location	Dayton OH	Address 1210 West County Road E
Cary NC 27513	Site Code	SY001	St Paul MN 55112
Phone Number 1 800 833 5097	RFA Number	YGQP00258	Consultant PM Ken Vogel
Fax Number (919) 379-4050	Chrysler PM	Gary Stanczak	Phone 651 490 1405 Fax. 1006

Turn-around Time Request
24 calendar hrs
48 calendar hrs
~~10 days~~ 14 day
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Matrix Codes
S - Soil SW Surface Water
GW Groundwater A Air
Sed Sediment
O Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC/8260 40ml / HCl	Lab Use Only: Volatiles pH < 2	Metals pH < 2	Cyanide pH > 12	Other	Remarks
MWC001	10/13/99	0900	G	GW	3	X					
MWB001		0910			3	X					
MWA001		0910			2	X					
PZ022I		0925			3	X					
MW020S		0945			3	X					
MWB003		0940			2	X					
PZ020D		0955			2	X					C/C sealed
MW007S		1000			2	X					Sxs intact
PZ019I		1000			2	X					cooler temp -1°
MWB005		1005			2	X					

Sampler(s) [signature]
Mike Plante
Dave Olson
Cooler ID # KL-266
Is RFA sampling complete? (Yes) N

Bottles Relinquished under Airbill No. Kemron Courier
Samples Relinquished under Airbill No. 81387485 7794
Temperature (corrected) ___ C

Relinquished by:	Date:	Time	Received by:	Date:	Time:	Custody Seal Intact?
			Darcy Baldwin	10/14/99	0954	Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revis on No 1
Created September 23 1997

Daimler CHRYSLER CORPORATION

Chain-of-Custody

04982 A

4th Qtr GW sampling

CompuChem via Kemron	Project Name	Dayton Thermal Products	Consultant: LBG
501 Madison Avenue	Site Location	1600 Webster st Dayton OH	Address: 1210 West County Road E
Cary NC 27513	Site Code	SC001	St Paul MN 55112
Phone Number 1 800 833 5097	RFA Number	YGQM900258	Consultant PM: Ken Vogel
Fax Number (919) 379-4050	Chrysler PM	Gary Stanczuk	Phone: 651 490 1405 Fax: 100k

Turn-around Time Request
24 calendar hrs
48 calendar hrs
14 ~~10~~ days
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative: VOC 8260 40ml HCl

Matrix Codes
S Soil
SW Surface Water
GW Groundwater
A Air
Sed Sediment
O Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40ml HCl								Lab Use Only: Volatiles pH <2	Metals pH <2	Cyanide pH > 12	Other ___	Remarks
MWB004	10/13/99	10:15	G	GW	2	X												
PZ021I		10 20				X												
PZ007I		10.20				X												
MW018S		1030				X												
MWB002		10 40				X												
MWC002		10 50				X												
PZ017D		1125				X												C/C sealed
PZ017I		11 35				X												Sxs intact
MWA005		11 45				X												Cooler temp -1°
PZ013I		1155				X												

Sampler(s)
David Strand
Dane Olson
Mike Plante

Cool ID # KL 2660

Is RFA sampling complete? (Yes) N

Bottles Relinquished under Airbill No Kemron Courier

Samples Relinquished under Airbill No 813874857794

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
			DRACY Dalawin	10/14/99	0754	Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created. September 23 1997

Daimler CHRYSLER CORPORATION

Chain-of-Custody

04983 A

4th Qtr GW Sampling

CompuChem V a Kemron	Project Name	Dayton Thermal Products	Consultant: LBG
501 Madison Avenue	Site Location	1600 Webster Street, Dayton OH	Address: 1210 West County Road E
Cary NC 27513	Site Code	SC001	St. Paul MN 55112
Phone Number 1 800 833 5097	RFA Number	YGQP9900258	Consultant PM: Ken Voyl
Fax Number (919) 379-4050	Chrysler PM	Gary Stankiewicz	Phone 6514901405 Fax 1006

Turn around Time Request
24 calendar hrs
48 calendar hrs
~~10 days~~ 14 day
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S Soil — SW Surface Water
GW Groundwater — A Air
Sed Sediment
O Other (specify)

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC 8260 40ml HCl								Lab Use Only: Volatiles pH < 2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
PZ010I	10/13/99	1155	G	GW	4	X												Duplicate @ 12:00
PZ012I		1200			2	X												
MW010S		1210			2	X												
PZ012D		1210			2	X												
MWA006		1220			2	X												
PZ014I		1230			2	X												
PZ009D		1230			2	X												
MWA003		1240			2	X												C/C Sealed
MWB006		1300			2	X												SXS intact
PZ016D		1305			2	X												Cooler temp -10

Sampler(s)
Dave Strand
Dane Olson
Mike Plante

Cooler ID # KL-266

Is RFA sampling complete? Yes No

Bottles Relinquished under Airbill No Kemron Courier

Samples Relinquished under Airbill No 813874857794

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
			Tracy Barawn	10/14/99	0954	Yes No
Relinquished by	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created September 23 1997

Daimler CHRYSLER CORPORATION

Chain-of-Custody

04984 A

4th Qtr GW Sampling

CompuChem via Kemron 501 Madison Avenue Cary NC 27513 Phone Number 1 800 833 5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Products Site Location: 1600 Webster St. Dayton OH Site Code: 5C001 RFA Number: 4GQP002258 Chrysler PM: Gary Stanczuk	Consultant: LBG Address: 1210 West County Road E St. Paul MN 55112 Consultant PM: Ken Vogel Phone: 651 490 1405 Fax: 1006	

Turn-around Time Request: 24 calendar hrs; 48 calendar hrs; ~~10 days~~ 14 day; 28 days

Data Package Deliverables (circle): Chrysler Level 1; Chrysler Level 2; Other (specify)

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes: S Soil; GW Groundwater; Sed Sediment; O Other (specify); SW - Surface Water; A Air

Lab Use Only: Volatiles pH <2; Metals pH < 2; Cyanide pH > 12; Other ____

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Remarks
PZ008D	10/13/99	13:05	G	GW	2	
MW008S		1310			2	TB 10/14/99
MWA002		13:15			2	
PZ008I		1330			4	Duplicate @ 13:31
~~MW015S~~ MW015S		14:30			2	
~~MW~~ PZ015I		14:15			2	
MW011S		15:05			2	C/C sealed
MWC003		15:20			2	SKS intact
MWA004		15:35			2	Cooler temp -10
~~WL0004~~ PURGEWATER		16:35			2	Purge Water

Sampler(s): David Strand; Mike Plante; Dave Olson

Cooler ID # KL-266

Is RFA sampling complete? Yes No

Bottles Relinquished under Airbill No. Kemron Courier

Samples Relinquished under Airbill No. 813874857794

Temperature (corrected) ___ C

Relinquished by:	Date:	Time	Received by:	Date:	Time:	Custody Seal Intact?
			DARCY Baldwin	10/14/99	0954	Yes No
Relinquished by:	Date:	Time	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Changed 5/24/00 by MCP due to multiple ID names from sewer cleanout

Revision N 1
Created September 23 1997

Daimler CHRYSLER CORPORATION

Chain-of-Custody

04985 A

4th Qtr GW Sampling

CompuChem via Kemron 501 Madison Avenue Cary NC 27513 Phone Number 1 800 833 5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Products Site Location: Dayton, OH Site Code: SC001 RFA Number: YGQP9900258 Chrysler PM: Gary Stanczuk	Consultant: LBG Address: 1210 West County Road E St Paul MN 55112 Consultant PM: Ken Vogel Phone: 651 490 1405 Fax: 1006	

Turn-around Time Request
24 calendar hrs
48 calendar hrs
~~10 days~~ 14 day
28 days

Data Package Deliverables (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

Matrix Codes
S Soil; SW - Surface Water; GW Groundwater; A Air; Sed Sediment; O Other (specify) Lab water

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC/8260/40ml/HCl									Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
MWT101399	—	—	—	O	6	X													Trip blanks
No lab water supplied to ~~conduct~~ collect equipment blanks.																			
																			c/c sealed
																			SXS intact
																			cooler temp -10

Sampler(s) Dave Strand Mike Plante Dave Olson Cooler ID # KL-266 Is RFA sampling complet ? Yes No	Bottles Relinquished under Airbill No Kemron Courier			Samples Relinquished under Airbill No. 813874857794		Temperature (corrected) ___ C
	Relinquished by:	Date:	Time:	Received by: Jeffry Baldwin	Date: 10/14/99	Time: 0954	Custody Seal Intact? Yes No
	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
	Relinquished by	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive CIMS 482-00-51 Auburn Hills Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created. September 23 1997

KEMRON
ENVIRONMENTAL SERVICES

109 Starlite Park ▪ Marietta OH 45750 ▪ Telephone (740) 373-4071 ▪ FAX (740) 373-4835

NOV 18 1999

Diane Byrd
Compuchem
501 Madison Ave
Cary, NC 27513

ENTERED IN DATABASE
BY/DATE DGO 11/15/99
CHECKED BY DVS
DATE 11/15/99

November 4 1999

Dear Diane,

Enclosed you will find the final report for KEMRON workorder L99-10-267 This report contains final results and VAP affidavits for volatile analysis by Method 8260 performed by TestAmerica, Dayton, OH If you have any questions concerning this package, please contact me at (740) 373-4071 or e-mail at plane@kemron-lab com

Sincerely

Patricia D Lane
Technical Service Representative

Enclosures

CC Ken Vogel
Leggette, Brashears, Graham
1210 West County Road E
Suite 700
St Paul MN 55112

TestAmerica
INCORPORATED

AFFIDAVIT

TestAmerica, Inc (VAP Laboratory No CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY SS

I **Jonathan C Sonderman** being first duly sworn according to law deposes and states that to the best of my knowledge information and belief

1) I am an adult over the age of eighteen (18) years old and competent to testify herein

2) I was employed by **TestAmerica, Inc** as **Project Manager** and was authorized to submit this affidavit on behalf of **TestAmerica Inc** for the attached report

3) **TestAmerica** performed analysis for **<Kemron>** concerning a voluntary action for the property located at **<Project Ref L9910267>**

4) **TestAmerica** was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745 300 when it performed the analysis for the purposes of conducting or completing the voluntary action

5) All of the analyses performed by **TestAmerica,** for the purposes of conducting or completing the voluntary action at the referenced property complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745 300

6) The information data documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **<99 17963 and 99 17965>**

7) All information data documents and reports submitted by **TestAmerica** identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true accurate and complete reporting of the results of analysis

8) **TestAmerica** has no conflict of interest as set forth in OAC rules 3745 300 04(I)(5) and 3745 300 05(F)(3) in performing the analysis for **<Kemron>** for the referenced property

Jonathan C Sonderman

Further affiant sayeth naught

Affiant Signature

Sworn to before me this <1st> day of <November> 1999

Notary Public
Oh
2004

Notary

3601 SOUTH DIXIE DRIVE / DAYTON OH 45439 / 937 294 6856 / FAX 937 294 7816

TestAmerica
INCORPORATED

ANALYTICAL AND QUALITY CONTROL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc for analysis

Sample Number	Sample Description	Date Taken	Date Received
566955	L9910267-21 PZ010I	10/13/1999	10/15/1999
566956	L9910267-22 PZ010I-DUP	10/13/1999	10/15/1999
566957	L9910267-23 PZ012I	10/13/1999	10/15/1999
566958	L9910267-24 MW010S	10/13/1999	10/15/1999
566959	L9910267-25 PZ012D	10/13/1999	10/15/1999
566960	L9910267-26 MWA006	10/13/1999	10/15/1999
566961	L9910267-27 PZ014I	10/13/1999	10/15/1999
566962	L9910267-28 PZ009D	10/13/1999	10/15/1999
566963	L9910267-29 MWA003	10/13/1999	10/15/1999
566964	L9910267-30 MWB006	10/13/1999	10/15/1999
566965	L9910267-31 PZ016D	10/13/1999	10/15/1999
566966	L9910267-32 PZ008D	10/13/1999	10/15/1999
566967	L9910267-33 MW008S	10/13/1999	10/15/1999
566968	L9910267-34 MWA002	10/13/1999	10/15/1999
566969	L9910267-35 PZ008I	10/13/1999	10/15/1999
566970	L9910267-36 PZ008I-DUP	10/13/1999	10/15/1999
566971	L9910267-37 MW015S	10/13/1999	10/15/1999
566972	L9910267-38 PZ015I	10/13/1999	10/15/1999
566973	L9910267-39 MW011S	10/13/1999	10/15/1999
566974	L9910267-40 MWC003	10/13/1999	10/15/1999

The Quality Control report is generated on a batch basis All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed

TestAmerica, Inc certifies that the analytical results contained herein apply only to the specific samples analyzed

Reproduction of this analytical report is permitted only in its entirety

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON OH 45439 / 937 294 6856 / FAX 937 294 7816

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566955	SAMPLE DESCRIPTION L9910267-21 PZ010I							DATE-TIME TAKEN 10/13/1999 11 55	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2117	
Acetone	<200		ug/L	<200	10/26/1999	mrh		2117	SW 8260A
Benzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromoform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566955	SAMPLE DESCRIPTION L9910267-21 PZ010I							DATE-TIME TAKEN 10/13/1999 11 55	
1 4 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<10		ug/L	10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	24 4		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	2 370		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
trans 1 2 Dichloroethene	99 8		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	10	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
n Hexane	<50		ug/L	50	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Styrene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

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ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566955	SAMPLE DESCRIPTION L9910267-21 PZ010I							DATE-TIME TAKEN 10/13/1999 11 55	
Tetrachloroethene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Toluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	23 3		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	11 7		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	5 440		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	22 5		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Xylenes	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	103		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	99		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/26/1999	mrh		2117	SW 8260A

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109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566956	SAMPLE DESCRIPTION L9910267-22 PZ010I-DUP							DATE-TIME TAKEN 10/13/1999 11 55	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2117	
Acetone	<200		ug/L	<200	10/26/1999	mrh		2117	SW 8260A
Benzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromoform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<50		ug/L	50	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566956	SAMPLE DESCRIPTION L9910267-22 PZ010I-DUP							DATE-TIME TAKEN 10/13/1999 11 55	
1 4 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	10 1		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	26 0		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	2 450		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
trans 1 2 Dichloroethene	105		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
n Hexane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Styrene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

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Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566956	SAMPLE DESCRIPTION L9910267-22 PZ010I-DUP							DATE-TIME TAKEN 10/13/1999 11 55	
Tetrachloroethene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Toluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	22 6		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	11 9		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	5 490		ug/L	<50	10/26/1999	mrh		2119	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	22 8		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Xylenes	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	105		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	99		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	95		%		10/26/1999	mrh		2117	SW 8260A

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Marietta, OH 45750

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566957	SAMPLE DESCRIPTION L9910267-23 PZ012I								DATE-TIME TAKEN 10/13/1999 12 00
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2117	
Acetone	<200		ug/L	<200	10/26/1999	mrh		2117	SW 8260A
Benzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromoform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2-Butanone (MEK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloroform	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

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109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566957	SAMPLE DESCRIPTION L9910267-23 PZ012I							DATE-TIME TAKEN 10/13/1999 12 00	
1 4 Dichlorobenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	17 0		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	22 4		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	1 250		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
trans 1 2 Dichloroethene	49 6		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
n Hexane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Styrene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

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Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566957	SAMPLE DESCRIPTION L9910267-23 PZ012I							DATE-TIME TAKEN 10/13/1999 12 00	
Tetrachloroethene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Toluene	<10		ug/L	10	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	75 2		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	333		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Xylenes	<10		ug/L	<10	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	105		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	98		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	92		%		10/26/1999	mrh		2117	SW 8260A

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109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566958	SAMPLE DESCRIPTION L9910267-24 MW010S							DATE-TIME TAKEN 10/13/1999 12 10	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<1 000		ug/L	<1 000	10/25/1999	jpf		2118	SW 8260A
Benzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Bromoform	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<625		ug/L	625	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Chloroform	<50		ug/L	50	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<250		ug/L	250	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A

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ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566958	SAMPLE DESCRIPTION L9910267-24 MW010S							DATE-TIME TAKEN 10/13/1999 12 10	
1 4 Dichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	<50		ug/L	50	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	714		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
n Hexane	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<625		ug/L	<625	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<625		ug/L	<625	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Styrene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A

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Marietta, OH 45750

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566958	SAMPLE DESCRIPTION L9910267-24 MW010S							DATE-TIME TAKEN 10/13/1999 12 10	
Tetrachloroethene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Toluene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	143		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	3 980		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	57		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Xylenes	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	101		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	97		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	99		%		10/25/1999	jpf		2118	SW 8260A

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Marietta, OH 45750

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566959	SAMPLE DESCRIPTION L9910267-25 PZ012D							DATE-TIME TAKEN 10/13/1999 12 30	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/26/1999	mrh		2117	
Acetone	<20 0		ug/L	<20 0	10/26/1999	mrh		2117	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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10/28/1999

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SAMPLE NO 566959 — SAMPLE DESCRIPTION L9910267-25 PZ012D — DATE-TIME TAKEN 10/13/1999 12 30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	1 1		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
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109 Starlite Park
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10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566959	SAMPLE DESCRIPTION L9910267-25 PZ012D							DATE-TIME TAKEN 10/13/1999 12 30	
Tetrachloroethene	4 8		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Toluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	3 5		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Xylenes	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	98		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	98		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	94		%		10/26/1999	mrh		2117	SW 8260A

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Marietta OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566960	SAMPLE DESCRIPTION L9910267-26 MWA006								DATE-TIME TAKEN 10/13/1999 12 40
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<400		ug/L	<400	10/25/1999	jpf		2118	SW 8260A
Benzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromoform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566960	SAMPLE DESCRIPTION L9910267-26 MWA006							DATE-TIME TAKEN 10/13/1999 12 40	
1 4 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	38 6		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	43 6		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	320		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
n Hexane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2-Hexanone	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Styrene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566960	SAMPLE DESCRIPTION L9910267-26 MWA006							DATE-TIME TAKEN 10/13/1999 12 40	
Tetrachloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Toluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	108		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	1 000		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Xylenes	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	100		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	102		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	99		%		10/25/1999	jpf		2118	SW 8260A

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ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

Client Project ID Waters for OH VAP Volatiles

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566961	SAMPLE DESCRIPTION L9910267-27 PZ014I							DATE-TIME TAKEN 10/13/1999 12 30	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<200		ug/L	<200	10/25/1999	jpf		2118	SW 8260A
Benzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromoform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloroform	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566961	SAMPLE DESCRIPTION L9910267-27 PZ014I							DATE-TIME TAKEN 10/13/1999 12 30	
1 4 Dichlorobenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	13 8		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	56 9		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<10		ug/L	10	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
n Hexane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<125		ug/L	<125	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Styrene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566961	SAMPLE DESCRIPTION L9910267-27 PZ014I							DATE-TIME TAKEN 10/13/1999 12 30	
Tetrachloroethene	18 6		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Toluene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	12 6		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	238		ug/L	10	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<50		ug/L	<50	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Xylenes	<10		ug/L	<10	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	99		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	102		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	98		%		10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566962	SAMPLE DESCRIPTION L9910267-28 PZ009D							DATE-TIME TAKEN 10/13/1999 12 30	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<400		ug/L	<400	10/25/1999	jpf		2118	SW 8260A
Benzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromoform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566962	SAMPLE DESCRIPTION L9910267-28 PZ009D							DATE-TIME TAKEN 10/13/1999 12 30	
1 4 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	76 4		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
n Hexane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Styrene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566962	SAMPLE DESCRIPTION L9910267-28 PZ009D							DATE-TIME TAKEN 10/13/1999 12 30	
Tetrachloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Toluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	1 710		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Xylenes	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	100		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	101		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	98		%		10/25/1999	jpf		2118	SW 8260A

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Marietta OH 45750

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566963	SAMPLE DESCRIPTION L9910267-29 MWA003							DATE-TIME TAKEN 10/13/1999 12 40	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2119	
Acetone	<2 000		ug/L	<2 000	10/26/1999	mrh		2119	SW 8260A
Benzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
tert Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
sec Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
n Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromochloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromodichloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromoform	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
2 Butanone (MEK)	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
Carbon disulfide	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Carbon tetrachloride	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloroethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
2 Chlorotoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
4 Chlorotoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloroform	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloromethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Dibromochloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Dibromomethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Dichlorodifluoromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dibromo 3 chloropropane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 2 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A

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SAMPLE NO 566963	SAMPLE DESCRIPTION L9910267-29 MWA003							DATE-TIME TAKEN 10/13/1999 12 40	
1 4 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethane	100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethene	218		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
cis 1 2 Dichloroethene	200		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
trans 1 2 Dichloroethene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
2 2 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
cis 1 3 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
trans 1 3 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Ethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Hexachlorobutadiene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
n Hexane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
2 Hexanone	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
Isopropylbenzene (Cumene)	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
p Isopropyltoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromomethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Methylene Chloride	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
4 Methyl 2 pentanone (MIBK)	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
n Propylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Styrene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Naphthalene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 1 1 2 Tetrachloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 2 2 Tetrachloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A

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ANALYTICAL REPORT

Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

Job Number 99 17965

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566963	SAMPLE DESCRIPTION L9910267-29 MWA003							DATE-TIME TAKEN 10/13/1999 12 40	
Tetrachloroethene	1 000		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Toluene	<100		ug/L	100	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trichlorobenzene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 1 1 Trichloroethane	2 040		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 2 Trichloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Trichloroethene	292		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Trichlorofluoromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 3 Trichloropropane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trimethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 5 Trimethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Vinyl Acetate	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Vinyl Chloride	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Xylenes	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Surrogate Dibromofluoromethane	101		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Toluene-d8	98		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Bromofluorobenzene	95		%		10/26/1999	mrh		2119	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566964	SAMPLE DESCRIPTION L9910267-30 MWB006								DATE-TIME TAKEN 10/13/1999 13 00
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/26/1999	mrh		2119	
Acetone	<2 000		ug/L	<2 000	10/26/1999	mrh		2119	SW 8260A
Benzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
tert Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
sec Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
n Butylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromochloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromodichloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromoform	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
2 Butanone (MEK)	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
Carbon disulfide	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Carbon tetrachloride	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloroethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
2 Chlorotoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
4 Chlorotoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloroform	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Chloromethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Dibromochloromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Dibromomethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Dichlorodifluoromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dibromo 3 chloropropane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 2 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566964	SAMPLE DESCRIPTION L9910267-30 MWB006							DATE-TIME TAKEN 10/13/1999 13 00	
1 4 Dichlorobenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethane	621		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloroethene	746		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
cis 1 2 Dichloroethene	263		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
trans 1 2 Dichloroethene	100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
2 2 Dichloropropane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
cis 1 3 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
trans 1 3 Dichloropropene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Ethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Hexachlorobutadiene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
n Hexane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
2 Hexanone	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
Isopropylbenzene (Cumene)	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
p Isopropyltoluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Bromomethane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Methylene Chloride	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
4 Methyl 2 pentanone (MIBK)	<1 250		ug/L	<1 250	10/26/1999	mrh		2119	SW 8260A
n Propylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Styrene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Naphthalene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 1 1 2 Tetrachloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 2 2 Tetrachloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566964	SAMPLE DESCRIPTION L9910267-30 MWB006							DATE-TIME TAKEN 10/13/1999 13 00	
Tetrachloroethene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Toluene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trichlorobenzene	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 1 1 Trichloroethane	9 420		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 1 2 Trichloroethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Trichloroethene	1 960		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Trichlorofluoromethane	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 2 3 Trichloropropane	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
1 2 4 Trimethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
1 3 5 Trimethylbenzene	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Vinyl Acetate	<500		ug/L	<500	10/26/1999	mrh		2119	SW 8260A
Vinyl Chloride	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Xylenes	<100		ug/L	<100	10/26/1999	mrh		2119	SW 8260A
Surrogate Dibromofluoromethane	99		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Toluene d8	98		%		10/26/1999	mrh		2119	SW 8260A
Surrogate Bromofluorobenzene	97		%		10/26/1999	mrh		2119	SW 8260A

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SAMPLE NO 566965	SAMPLE DESCRIPTION L9910267-31 PZ016D							DATE-TIME TAKEN 10/13/1999 13 05	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<400		ug/L	<400	10/25/1999	jpf		2118	SW 8260A
Benzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromoform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 Butanone (MEK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566965	SAMPLE DESCRIPTION L9910267-31 PZ016D							DATE-TIME TAKEN 10/13/1999 13 05	
1 4 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	99 6		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1-Dichloroethene	76 2		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	66 6		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
n Hexane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Styrene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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Marietta, OH 45750

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566965	SAMPLE DESCRIPTION L9910267-31 PZ016D							DATE-TIME TAKEN 10/13/1999 13 05	
Tetrachloroethene	190		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Toluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	712		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	284		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Xylenes	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	99		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	103		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	97		%		10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566966	SAMPLE DESCRIPTION L9910267-32 PZ008D							DATE-TIME TAKEN 10/13/1999 13 05	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete			Complete	10/26/1999	mrh		2117	
Acetone	<20 0		ug/L	<20 0	10/26/1999	mrh		2117	SW 8260A
Benzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
tert Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
sec Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
n Butylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromodichloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromoform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 Butanone (MEK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Carbon disulfide	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Carbon tetrachloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
4 Chlorotoluene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloroform	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Chloromethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Dibromochloromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Dibromomethane	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
Dichlorodifluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dibromo 3 chloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566966	SAMPLE DESCRIPTION L9910267-32 PZ008D							DATE-TIME TAKEN 10/13/1999 13 05	
1 4 Dichlorobenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethane	1 3		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 2 Dichloroethene	6 6		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 2 Dichloroethene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
2 2 Dichloropropane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
cis 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
trans 1 3 Dichloropropene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Ethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Hexachlorobutadiene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
n Hexane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
2 Hexanone	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
Isopropylbenzene (Cumene)	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
p Isopropyltoluene	1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Bromomethane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Methylene Chloride	5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
4 Methyl 2 pentanone (MIBK)	<12 5		ug/L	<12 5	10/26/1999	mrh		2117	SW 8260A
n Propylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Styrene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Naphthalene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 2 Tetrachloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A

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Pat Lane
KEMRON
109 Starlite Park
Marietta, OH 45750

10/28/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No	Run Batch No	Method Reference
SAMPLE NO 566966	SAMPLE DESCRIPTION L9910267-32 PZ008D							DATE-TIME TAKEN 10/13/1999 13 05	
Tetrachloroethene	2 4		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Toluene	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trichlorobenzene	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 1 1 Trichloroethane	2 7		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 1 2 Trichloroethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichloroethene	15 5		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Trichlorofluoromethane	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 2 3 Trichloropropane	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
1 2 4 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
1 3 5 Trimethylbenzene	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Acetate	<5 0		ug/L	<5 0	10/26/1999	mrh		2117	SW 8260A
Vinyl Chloride	<1 0		ug/L	<1 0	10/26/1999	mrh		2117	SW 8260A
Xylenes	<1 0		ug/L	1 0	10/26/1999	mrh		2117	SW 8260A
Surrogate Dibromofluoromethane	100		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Toluene d8	99		%		10/26/1999	mrh		2117	SW 8260A
Surrogate Bromofluorobenzene	90		%		10/26/1999	mrh		2117	SW 8260A

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SAMPLE NO 566967	SAMPLE DESCRIPTION L9910267-33 MW008S							DATE-TIME TAKEN 10/13/1999 13 05	
VOLATILE COMPOUNDS 8260 (AQ)									
8260 SW846 (AQ)	Complete				10/25/1999	jpf		2118	
Acetone	<400		ug/L	<400	10/25/1999	jpf		2118	SW 8260A
Benzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
tert Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
sec Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
n Butylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromodichloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromoform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2-Butanone (MEK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Carbon disulfide	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Carbon tetrachloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
4 Chlorotoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloroform	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Chloromethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Dibromochloromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dibromomethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Dichlorodifluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dibromo 3 chloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566967	SAMPLE DESCRIPTION L9910267-33 MW008S							DATE-TIME TAKEN 10/13/1999 13 05	
1 4 Dichlorobenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 2 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 2 Dichloroethene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 Dichloropropane	20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
2 2 Dichloropropane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
cis 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
trans 1 3 Dichloropropene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Ethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Hexachlorobutadiene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
n Hexane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
2 Hexanone	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
Isopropylbenzene (Cumene)	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
p Isopropyltoluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Bromomethane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Methylene Chloride	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
4 Methyl 2 pentanone (MIBK)	<250		ug/L	<250	10/25/1999	jpf		2118	SW 8260A
n Propylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Styrene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Naphthalene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 2 Tetrachloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A

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SAMPLE NO 566967	SAMPLE DESCRIPTION L9910267-33 MW008S							DATE-TIME TAKEN 10/13/1999 13 05	
Tetrachloroethene	1 240		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Toluene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trichlorobenzene	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 1 1 Trichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 1 2 Trichloroethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichloroethene	269		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Trichlorofluoromethane	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 2 3 Trichloropropane	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
1 2 4 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
1 3 5 Trimethylbenzene	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Vinyl Acetate	<100		ug/L	<100	10/25/1999	jpf		2118	SW 8260A
Vinyl Chloride	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Xylenes	<20		ug/L	<20	10/25/1999	jpf		2118	SW 8260A
Surrogate Dibromofluoromethane	102		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Toluene d8	99		%		10/25/1999	jpf		2118	SW 8260A
Surrogate Bromofluorobenzene	96		%		10/25/1999	jpf		2118	SW 8260A