Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166659

MW34S-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 14:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-34S- SDG#: DCN86-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 18:04	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 18:04	Trent S Sprenkle	n.a.

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166660

PZ34I-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 15:30 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-34I- SDG#: DCN86-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166660

PZ34I-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 15:30 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-34I- SDG#: DCN86-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 18:27	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 18:27	Trent S Sprenkle	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166661

PZ34D-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 14:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--34D SDG#: DCN86-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166661

PZ34D-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 14:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--34D SDG#: DCN86-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 18:50	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 18:50	Trent S Sprenkle	n.a.

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166662

TW13-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 14:45 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T13-- SDG#: DCN86-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	ug/l	1
05396	Chloroform	67-66-3	0.8	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	1.	J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166662

TW13-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 14:45 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T13-- SDG#: DCN86-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 19:14	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 19:14	Trent S Sprenkle	n.a.

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166663

PZ019I-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 08:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-019I SDG#: DCN86-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4. J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	16.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166663

PZ019I-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 08:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-019I SDG#: DCN86-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 19:37	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 19:37	Trent S Sprenkle	n.a.

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166664

MWET6-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 16:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-ET6- SDG#: DCN86-15

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	2.	J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4166664

MWET6-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 16:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-ET6- SDG#: DCN86-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 20:00	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 20:00	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166665

MWC001-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 16:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-C001 SDG#: DCN86-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166665

MWC001-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 16:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-C001 SDG#: DCN86-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 20:23	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 20:23	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166666

MWB001-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 17:05 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-B001 SDG#: DCN86-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166666

MWB001-111703 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/17/2003 17:05 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
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-B001 SDG#: DCN86-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 20:46	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 20:46	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166667

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

TBDAY SDG#: DCN86-18TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166667

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:38
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

TBDAY SDG#: DCN86-18TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 21:09	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 21:09	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875304
Reported: 12/01/03 at 10:38 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y033271AA	Sample number(s): 4166650-4166652,4166654-4166667							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95	96	77-127	1	30
Chloromethane	N.D.	1.	ug/l	83	83	69-136	0	30
Vinyl Chloride	N.D.	1.	ug/l	92	91	71-129	1	30
Bromomethane	N.D.	1.	ug/l	64	63	46-138	0	30
Chloroethane	N.D.	1.	ug/l	73	71	59-133	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	97	95	79-130	2	30
Methylene Chloride	N.D.	2.	ug/l	98	97	80-128	0	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96	94	81-124	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	99	98	83-127	1	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95	95	84-117	1	30
Chloroform	N.D.	0.8	ug/l	99	96	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	99	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	98	77-130	2	30
Benzene	N.D.	0.5	ug/l	98	96	85-117	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	104	103	77-132	1	30
Trichloroethene	N.D.	1.	ug/l	97	95	87-117	2	30
1,2-Dichloropropane	N.D.	1.	ug/l	96	95	80-117	1	30
Bromodichloromethane	N.D.	1.	ug/l	97	95	83-121	2	30
Toluene	N.D.	0.7	ug/l	95	93	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	96	94	86-113	2	30
Tetrachloroethene	N.D.	0.8	ug/l	102	98	82-126	4	30
Dibromochloromethane	N.D.	1.	ug/l	94	92	78-119	2	30
Chlorobenzene	N.D.	0.8	ug/l	98	95	85-115	3	30
Ethylbenzene	N.D.	0.8	ug/l	98	96	82-119	2	30
Styrene	N.D.	1.	ug/l	96	94	84-117	2	30
Bromoform	N.D.	1.	ug/l	93	94	63-122	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95	95	72-119	0	30
Acetone	N.D.	6.	ug/l	104	99	22-179	5	30
Carbon Disulfide	N.D.	1.	ug/l	95	94	80-139	1	30
2-Butanone	N.D.	3.	ug/l	103	101	45-154	2	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93	92	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	95	94	78-114	1	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	99	98	65-125	1	30
2-Hexanone	N.D.	3.	ug/l	102	101	49-141	1	30
Xylene (Total)	N.D.	0.8	ug/l	100	97	84-120	2	30
Batch number: Y033271AB	Sample number(s): 4166653,4166658							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95	96	77-127	1	30
Chloromethane	N.D.	1.	ug/l	83	83	69-136	0	30
Vinyl Chloride	N.D.	1.	ug/l	92	91	71-129	1	30
Bromomethane	N.D.	1.	ug/l	64	63	46-138	0	30
Chloroethane	N.D.	1.	ug/l	73	71	59-133	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	97	95	79-130	2	30
Methylene Chloride	N.D.	2.	ug/l	98	97	80-128	0	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96	94	81-124	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	99	98	83-127	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:38 AM

Group Number: 875304

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95	95	84-117	1	30
Chloroform	N.D.	0.8	ug/l	99	96	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	99	98	83-127	1	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	98	77-130	2	30
Benzene	N.D.	0.5	ug/l	98	96	85-117	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	104	103	77-132	1	30
Trichloroethene	N.D.	1.	ug/l	97	95	87-117	2	30
1,2-Dichloropropane	N.D.	1.	ug/l	96	95	80-117	1	30
Bromodichloromethane	N.D.	1.	ug/l	97	95	83-121	2	30
Toluene	N.D.	0.7	ug/l	95	93	85-115	2	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	96	94	86-113	2	30
Tetrachloroethene	N.D.	0.8	ug/l	102	98	82-126	4	30
Dibromochloromethane	N.D.	1.	ug/l	94	92	78-119	2	30
Chlorobenzene	N.D.	0.8	ug/l	98	95	85-115	3	30
Ethylbenzene	N.D.	0.8	ug/l	98	96	82-119	2	30
Styrene	N.D.	1.	ug/l	96	94	84-117	2	30
Bromoform	N.D.	1.	ug/l	93	94	63-122	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95	95	72-119	0	30
Acetone	N.D.	6.	ug/l	104	99	22-179	5	30
Carbon Disulfide	N.D.	1.	ug/l	95	94	80-139	1	30
2-Butanone	N.D.	3.	ug/l	103	101	45-154	2	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93	92	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	95	94	78-114	1	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	99	98	65-125	1	30
2-Hexanone	N.D.	3.	ug/l	102	101	49-141	1	30
Xylene (Total)	N.D.	0.8	ug/l	100	97	84-120	2	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y033271AA	Sample number(s): 4166650-4166652,4166654-4166667								
Methyl Tertiary Butyl Ether	99		69-134						
Chloromethane	91		70-148						
Vinyl Chloride	98		64-148						
Bromomethane	66		52-140						
Chloroethane	73		63-142						
1,1-Dichloroethene	110		78-146						
Methylene Chloride	104		79-133						
trans-1,2-Dichloroethene	105		82-133						
1,1-Dichloroethane	107		85-135						
cis-1,2-Dichloroethene	101		83-126						
Chloroform	105		82-131						
1,1,1-Trichloroethane	108		82-135						

*- Outside of specification
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(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875304
Reported: 12/01/03 at 10:38 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Carbon Tetrachloride	110		73-144						
Benzene	105		83-128						
1,2-Dichloroethane	106		73-136						
Trichloroethene	104		75-135						
1,2-Dichloropropane	103		81-121						
Bromodichloromethane	99		83-121						
Toluene	102		83-127						
1,1,2-Trichloroethane	98		77-125						
Tetrachloroethene	106		75-143						
Dibromochloromethane	92		73-119						
Chlorobenzene	102		83-120						
Ethylbenzene	104		82-129						
Styrene	99		72-133						
Bromoform	87		64-119						
1,1,2,2-Tetrachloroethane	98		69-121						
Acetone	82		16-147						
Carbon Disulfide	108		77-155						
2-Butanone	95		42-140						
trans-1,3-Dichloropropene	92		75-117						
cis-1,3-Dichloropropene	95		76-117						
4-Methyl-2-pentanone	100		61-126						
2-Hexanone	101		48-133						
Xylene (Total)	105		82-130						
Batch number: Y033271AB	Sample number(s): 4166653,4166658								
Methyl Tertiary Butyl Ether	99		69-134						
Chloromethane	91		70-148						
Vinyl Chloride	98		64-148						
Bromomethane	66		52-140						
Chloroethane	73		63-142						
1,1-Dichloroethene	110		78-146						
Methylene Chloride	104		79-133						
trans-1,2-Dichloroethene	105		82-133						
1,1-Dichloroethane	107		85-135						
cis-1,2-Dichloroethene	101		83-126						
Chloroform	105		82-131						
1,1,1-Trichloroethane	108		82-135						
Carbon Tetrachloride	110		73-144						
Benzene	105		83-128						
1,2-Dichloroethane	106		73-136						
Trichloroethene	104		75-135						
1,2-Dichloropropane	103		81-121						
Bromodichloromethane	99		83-121						
Toluene	102		83-127						
1,1,2-Trichloroethane	98		77-125						
Tetrachloroethene	106		75-143						
Dibromochloromethane	92		73-119						

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:38 AM

Group Number: 875304

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chlorobenzene	102		83-120						
Ethylbenzene	104		82-129						
Styrene	99		72-133						
Bromoform	87		64-119						
1,1,2,2-Tetrachloroethane	98		69-121						
Acetone	82		16-147						
Carbon Disulfide	108		77-155						
2-Butanone	95		42-140						
trans-1,3-Dichloropropene	92		75-117						
cis-1,3-Dichloropropene	95		76-117						
4-Methyl-2-pentanone	100		61-126						
2-Hexanone	101		48-133						
Xylene (Total)	105		82-130						

Surrogate Quality Control

Analysis Name: TCL by 8260 (water)
Batch number: Y033271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4166650	95	92	95	93
4166651	96	91	93	93
4166652	92	92	94	92
4166654	96	91	94	93
4166655	95	90	94	93
4166656	96	91	94	93
4166657	96	93	93	92
4166658	91	92	94	93
4166659	96	92	95	93
4166660	96	92	94	93
4166661	96	92	94	93
4166662	96	91	94	92
4166663	96	92	94	93
4166664	96	90	95	93
4166665	97	91	94	93
4166666	96	92	94	93
4166667	96	91	94	93
Blank	95	92	94	93
LCS	95	93	95	94
LCSD	95	94	94	93
MS	95	90	94	94
Limits:	81-120	82-112	85-112	83-113

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 875304
Reported: 12/01/03 at 10:38 AM

Surrogate Quality Control

Analysis Name: TCL by 8260 (Water)
Batch number: Y033271AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4166653	97	92	93	92
Blank	97	92	94	93
LCS	95	93	95	94
LCSD	95	94	94	93
MS	95	90	94	94
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/10/03 at 09:36 AM

Group Number: 875456

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03323011112A	Sample number(s): 4167452,4167454,4167456,4167458							
Total Organic Carbon	1.4 J	0.50	mg/l	95		89-115		
Batch number: 03323011112B	Sample number(s): 4167460,4167462							
Total Organic Carbon	1.4 J	0.50	mg/l	95		89-115		
Batch number: 03323020201A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Alkalinity to pH 4.5				100		98-103		
Batch number: 03323105102B	Sample number(s): 4167452,4167456							
Nitrite Nitrogen	0.015 J	0.015	mg/l	98		89-110		
Batch number: 03323834401A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Ferrous Iron	N.D.	0.0080	mg/l	99		92-105		
Batch number: 033240025A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Ethane	N.D.	1.0	ug/l	95		80-120		
Ethene	N.D.	1.0	ug/l	95		80-120		
Batch number: 03324022901A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Sulfite	N.D.	1.2	mg/l	81		68-103		
Batch number: 03324105101A	Sample number(s): 4167454,4167458,4167460,4167462							
Nitrite Nitrogen	N.D.	0.015	mg/l	98		89-110		
Batch number: 03324112501A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Sulfate (turbidimetric)	N.D.	1.5	mg/l	97		90-110		
Batch number: 03328400101A	Sample number(s): 4167452-4167463							
Chemical Oxygen Demand				100		95-107		
Batch number: 03329106101A	Sample number(s): 4167452,4167454,4167456,4167458,4167460							
Nitrate Nitrogen	N.D.	0.040	mg/l	99		89-110		
Batch number: 03329106101B	Sample number(s): 4167462							
Nitrate Nitrogen	N.D.	0.040	mg/l	99		89-110		
Batch number: 033291848001	Sample number(s): 4167452-4167463							
Iron	N.D.	0.0453	mg/l	109		91-114		
Manganese	N.D.	0.00051	mg/l	104		93-110		
Batch number: 03336021601A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462							
Total Hardness	N.D.	0.49	mg/l as Ca	101		98-107		
Batch number: Y033272AA	Sample number(s): 4167464							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97		77-127		

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/10/03 at 09:36 AM

Group Number: 875456

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloromethane	N.D.	1.	ug/l	83		69-136		
Vinyl Chloride	N.D.	1.	ug/l	93		71-129		
Bromomethane	N.D.	1.	ug/l	62		46-138		
Chloroethane	N.D.	1.	ug/l	68		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	101		79-130		
Methylene Chloride	N.D.	2.	ug/l	101		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97		84-117		
Chloroform	N.D.	0.8	ug/l	100		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	102		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	102		77-130		
Benzene	N.D.	0.5	ug/l	100		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	105		77-132		
Trichloroethene	N.D.	1.	ug/l	98		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	97		80-117		
Bromodichloromethane	N.D.	1.	ug/l	98		83-121		
Toluene	N.D.	0.7	ug/l	96		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	108		82-126		
Dibromochloromethane	N.D.	1.	ug/l	96		78-119		
Chlorobenzene	N.D.	0.8	ug/l	99		85-115		
Ethylbenzene	N.D.	0.8	ug/l	99		82-119		
Styrene	N.D.	1.	ug/l	96		84-117		
Bromoform	N.D.	1.	ug/l	95		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		72-119		
Acetone	N.D.	6.	ug/l	136		22-179		
Carbon Disulfide	N.D.	1.	ug/l	100		80-139		
2-Butanone	N.D.	3.	ug/l	118		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	95		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	99		65-125		
2-Hexanone	N.D.	3.	ug/l	101		49-141		
Xylene (Total)	N.D.	0.8	ug/l	101		84-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03323011112A	Sample number(s): 4167452,4167454,4167456,4167458								
Total Organic Carbon	95		63-136			1.5 J	1.6 J	1 (1)	3
Batch number: 03323011112B	Sample number(s): 4167460,4167462								
Total Organic Carbon	96		63-136			1.6 J	1.4 J	13* (1)	3

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/10/03 at 09:36 AM

Group Number: 875456

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03323020201A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	94	94	64-130	0	2	362.	366.	1	4
Batch number: 03323105102B	Sample number(s): 4167452,4167456								
Nitrite Nitrogen	106		90-110			N.D.	N.D.	200* (1)	20
Batch number: 03323834401A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Ferrous Iron	95	97	76-119	1	5	3.0	2.9	3	20
Batch number: 033240025A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Ethane	98	98	71-128	0	20				
Ethene	98	98	68-142	0	20				
Batch number: 03324022901A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Sulfite	75	73	29-104	3	20	N.D.	N.D.	0 (1)	20
Batch number: 03324105101A	Sample number(s): 4167454,4167458,4167460,4167462								
Nitrite Nitrogen	108		90-110			N.D.	N.D.	0 (1)	20
Batch number: 03324112501A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Sulfate (turbidimetric)	93	93	69-124	0	4	61.3	54.2	12* (1)	4
Batch number: 03328400101A	Sample number(s): 4167452-4167463								
Chemical Oxygen Demand	89*	96	90-110	5*	2	158.	151.	4 (1)	4
Batch number: 03329106101A	Sample number(s): 4167452,4167454,4167456,4167458,4167460								
Nitrate Nitrogen	103		90-110			N.D.	N.D.	0 (1)	2
Batch number: 03329106101B	Sample number(s): 4167462								
Nitrate Nitrogen	102		90-110			N.D.	N.D.	0 (1)	2
Batch number: 033291848001	Sample number(s): 4167452-4167463								
Iron	84	86	75-125	0	20	2.67	2.49	7	20
Manganese	103	104	85-111	1	20	0.497	0.503	1	20
Batch number: 03336021601A	Sample number(s): 4167452,4167454,4167456,4167458,4167460,4167462								
Total Hardness	100	101	93-115	0	2	72.2	73.8	2	4
Batch number: Y033272AA	Sample number(s): 4167464								
Methyl Tertiary Butyl Ether	111	113	69-134	2	30				
Chloromethane	95	97	70-148	1	30				
Vinyl Chloride	107	113	64-148	5	30				
Bromomethane	70	73	52-140	4	30				
Chloroethane	75	78	63-142	4	30				
1,1-Dichloroethene	126	125	78-146	0	30				

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/10/03 at 09:36 AM

Group Number: 875456

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Methylene Chloride	117	117	79-133	0	30				
trans-1,2-Dichloroethene	118	120	82-133	1	30				
1,1-Dichloroethane	121	122	85-135	0	30				
cis-1,2-Dichloroethene	114	115	83-126	1	30				
Chloroform	118	120	82-131	2	30				
1,1,1-Trichloroethane	124	125	82-135	0	30				
Carbon Tetrachloride	127	128	73-144	1	30				
Benzene	117	120	83-128	2	30				
1,2-Dichloroethane	122	124	73-136	2	30				
Trichloroethene	119	119	75-135	0	30				
1,2-Dichloropropane	115	116	81-121	1	30				
Bromodichloromethane	113	114	83-121	1	30				
Toluene	114	116	83-127	2	30				
1,1,2-Trichloroethane	110	111	77-125	1	30				
Tetrachloroethene	121	124	75-143	2	30				
Dibromochloromethane	103	105	73-119	2	30				
Chlorobenzene	116	118	83-120	1	30				
Ethylbenzene	118	119	82-129	2	30				
Styrene	113	115	72-133	2	30				
Bromoform	94	95	64-119	1	30				
1,1,2,2-Tetrachloroethane	106	109	69-121	3	30				
Acetone	92	93	16-147	1	30				
Carbon Disulfide	119	121	77-155	2	30				
2-Butanone	107	108	42-140	1	30				
trans-1,3-Dichloropropene	102	103	75-117	1	30				
cis-1,3-Dichloropropene	106	108	76-117	1	30				
4-Methyl-2-pentanone	113	114	61-126	1	30				
2-Hexanone	114	115	48-133	0	30				
Xylene (Total)	118	121	82-130	2	30				

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 033240025A

	Propene
4167452	93
4167454	88
4167456	93
4167458	94
4167460	90
4167462	88
Blank	99
LCS	97

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Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875456
Reported: 12/10/03 at 09:36 AM

Surrogate Quality Control

MS	93
MSD	93
Limits:	58-129

Analysis Name: TCL by 8260 (water)
Batch number: Y033272AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4167464	97	92	94	93
Blank	96	92	94	93
LCS	95	92	94	94
MS	96	96	94	94
MSD	96	94	94	94
Limits:	81-120	82-112	85-112	83-113

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June 12, 2003

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7001 1940 0000 6930

Mr. Gary M. Stanczuk
DaimlerChrysler Corporation
CIMS 482-00-51
800 Chrysler Drive
Auburn Hills, Michigan 48326-2757

Dear Mr. Stanczuk:

The applications submitted for an Underground Injection Control (UIC) Class V 5X26 Area Permit to Drill and UIC Class V 5X26 Area Permit to Operate have been reviewed by Ohio EPA's Division of Drinking and Ground Waters, Underground Injection Control Unit. The UIC Unit has recommended that the Director issue the above referenced Class V Permits as your proposals comply with all applicable Ohio UIC Rules.

Therefore, a Class V Area Permit to Drill, and a Class V Area Permit to Operate are issued to you today in **FINAL** form. The permits are effective on the date of issuance. Signed copies of the final permits are enclosed.

You are hereby notified that these actions of the Director are final and may be appealed to the Environmental Review Appeals Commission (Commission) pursuant to Section 3745.04 of the Ohio Revised Code. This appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. A copy of the appeal is also requested to be sent to the Office of the Attorney General, Environmental Enforcement Section. An appeal may be filed with the Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

for M.B.

Michael G. Baker, Chief
Division of Drinking and Ground Waters

CHRYSLERISSUE.ltr

Enclosure

cc: Tom Winston, Chief, SWDO (w/enclosure)
Lindsay Taliaferro III, UIC Manager
File

RECEIVED
JUN 16 2003
STATIONARY
ENVIRONMENTAL & ENERGY

OHIO ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF DRINKING AND GROUND WATERS
UNDERGROUND INJECTION CONTROL 5X26 AREA PERMIT TO DRILL AND PERMIT TO OPERATE CLASS V INJECTION WELLS

Ohio Permit Nos. UIC 05-57-10-PTD-V
UIC 05-57-10-PTO-V

OHIO E.P.A.
JUN 12 2003
ENTERED DIRECTOR'S JOURNAL

Applicant: DaimlerChrysler Corporation

Address: 1000 Chrysler Drive
Auburn Hills Michigan 48326

Telephone: (248) 576-7365

Facility Name: Dayton Thermal Products

Facility Location: 1600 Webster Street, Dayton, Ohio

Latitude 39° 46' 57.3", Longitude 84° 10' 55.6"
South Plant: Section 5, North Plant: Section 6, T1 R7

Montgomery County

Description: The purpose of the injection is to create a ground water containment system to prevent the off-site migration of chlorinated volatile organic compounds and establish hydraulic control of ground water flow at the site. In addition, the reinjected ground water will be augmented with sodium lactate to promote the reductive dechlorination of the chlorinated volatile organic compounds present in the aquifer.

Issuance Date: June 12, 2003

Effective Date: June 12, 2003

Expiration Date: June 12, 2008

I certify [illegible] copy of the [illegible] of the Ohio Environmental Protection Agency.
By [illegible] Date 6/12/03

The above named applicant is hereby ISSUED a 5X26 Area Permit to Drill and a 5X26 Area Permit to Operate for the above described underground injection wells pursuant to Sections 6111.043 and 6111.044 of the Ohio Revised Code and to Chapter 3745-34 of the Ohio Administrative Code. Issuance of this 5X26 Permit to Drill and 5X26 Permit to Operate does not constitute expressed or implied approval or agreement that, if constructed and/or modified in accordance with the specifications and/or information accompanying the permit applications, the above described activity will be in compliance with applicable State and Federal laws and rules and regulations. This 5X26 Area Permit to Drill and 5X26 Area Permit to Operate is issued subject to the attached conditions which are hereby incorporated and made a part hereof.

Expiration Date: This permit shall expire at midnight on the expiration date indicated above, unless terminated or modified under Chapter 3745-34 of the Ohio Administrative Code.

Christopher Jones, Director
OHIO ENVIRONMENTAL PROTECTION AGENCY

PART I
GENERAL PERMIT COMPLIANCE

A. EFFECT OF PERMIT

The permittee is authorized to engage in the drilling and operation of 5X26 Class V underground injection wells in accordance with Chapter 3745-34 of the Ohio Administrative Code (OAC) and the conditions of these permits. Notwithstanding any other provisions of these permits, the permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other injection activity in a manner that allows the movement of injection or formation fluids into underground sources of drinking water (USDWs) if the presence of that material may cause a violation of any primary drinking water regulation under OAC Chapter 3745-81 or may otherwise adversely affect the health of persons. Any underground injection activity not specifically authorized in these permits is prohibited. Compliance with these permits during their term constitutes compliance for purposes of enforcement, with Sections 6111.043 and 6111.044 of the Ohio Revised Code (ORC). Such compliance does not constitute a defense to any action brought under ORC Sections 6109.31, 6109.32 or 6109.33 or any other common or statutory law other than ORC Sections 6111.043 and 6111.044. Issuance of these permits does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local law. Nothing in these permits shall be construed to relieve the permittee of any duties under applicable state and federal law, regulations, or permits.

B. PERMIT ACTIONS

1. Modification, Revocation, Reissuance and Termination. The Director may, for cause or upon request from the permittee, modify, revoke and reissue, or terminate these permits in accordance with OAC Rules 3745-34-07, 3745-34-23, and 3745-34-24. Also, the permits are subject to minor modifications for cause as specified in OAC Rule 3745-34-25. The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes, or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

2. Transfer of Permits. These permits may be transferred to a new owner or operator only if they are modified or revoked and reissued pursuant to OAC Rule 3745-34-22(A), 3745-34-23, 3745-34-24, 3745-34-25(D) or 3745-34-26(L)(3), as applicable.

C. SEVERABILITY

The provisions of these permits are severable, and if any provision of these permits or the application of any provision of these permits to any circumstance is held invalid, the application of such provision to any other circumstances and the remainder of these permits shall not be affected thereby.

D. CONFIDENTIALITY

In accordance with OAC Rule 3745-34-03 any information submitted to the Ohio EPA pursuant to these permits may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the Ohio EPA may make the information available to the public without further notice. If a claim is asserted, documentation for the claim must be tendered and the validity of the claim will be assessed in accordance with the procedures in OAC Rule 3745-34-03. If the documentation for the claim of confidentiality is not received, the Ohio EPA may deny the claim without further inquiry. Claims of confidentiality for the following information will be denied:

1. The name and address of the permittee;

2. Information which deals with the existence, absence or level of contaminants in receiving water.

E. DUTIES AND REQUIREMENTS (OAC RULE 3745-34-26)

1. Duty to Comply. The permittee shall comply with all applicable UIC regulations and conditions of these permits, issued in accordance with OAC Rule 3745-34-19. Any permit noncompliance constitutes a violation of ORC Chapter 6109. or 6111. and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application. Such noncompliance also may be grounds for enforcement action under other applicable state and federal law.

2. Penalties for Violations of Permit Conditions. Any person who violates a permit requirement is subject to injunctive relief, civil penalties, fines and/or other enforcement action under ORC Chapters 6111., 6109., or 3734. Any person who knowingly or recklessly violates permit conditions may be subject to criminal prosecution.

3. Continuation of Expiring Permits.
   Duty to Reapply. If the permittee wishes to continue an activity regulated by these permits after the expiration date of these permits, the permittee shall

submit a complete application for new permits at least 180 days before expiration of these permits.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense, for a permittee in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of these permits.

5. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

6. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of these permits. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of these permits.

7. Duty to Provide Information. The permittee shall furnish to the Director, within a time specified, any information which the Director may request in order to determine whether cause exists for renewing, modifying, revoking and reissuing, or terminating these permits. To determine compliance with these permits, or to issue new permits the permittee shall furnish to the Director, upon request, copies of all records required to be kept by these permits.

8. Inspection and Entry. The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

   a. Enter permittee's premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of these permits;

   b. Have access at reasonable times to and copy any records that are kept under the conditions of these permits;

   c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under these permits; and

d. Sample or monitor at reasonable times for the purposes of assuring permit compliance or as otherwise authorized by ORC Chapter 6111. and OAC Chapter 3745-34, any substances or parameters at any location.

9. Records.

a. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all reports required by these permits for a period of at least five (5) years from the date of the sample, measurement or report or for the duration of the permitted life of the wells, whichever is longer.

b. The permittee shall maintain records of all data required to complete the permit application forms for permits and any supplemental information submitted under OAC Rule 3745-34-16 for a period of at least five (5) years from the date the applications were signed. These periods may be extended by request of the Director during that period of time.

c. The permittee shall retain records concerning the nature and composition of all injected fluids for three (3) years after the project has been completed.

d. The permittee shall continue to retain such records after the retention period specified by paragraphs (a) to (c) above, unless he delivers the records to the Director or obtains written approval from the Director to discard the records.

e. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

f. Records of monitoring information shall include the following as applicable pursuant to OAC Rule 3745-34-26(J)(3):

i. The date, exact place, and time of sampling or measurements;

ii. The name(s) of the individual(s) who performed the sampling or measurements;

iii. A precise description of sampling methodology;

iv. The date(s) analyses or measurements were performed;

v. The name(s) of the individual(s) who performed the analyses or measurements and the laboratory that performed the analyses ormeasurements;

vi. The analytical techniques or methods used; and

vii. All results of such analyses.

10. Signatory Requirements. All reports or other information, required to be submitted by these permits or requested by the Director, shall be signed and certified in accordance with OAC Rule 3745-34-17.

11. Reporting Requirements.

a. Planned Changes. The permittee shall give written notice to the Director, as soon as possible, of any planned physical alterations or additions to the permitted facility. Within ten (10) days of the verbal notification, or of the commencement of construction, the permittee shall give written notice to the Director with justification of any planned physical alterations to the permitted well(s).

b. Anticipated Noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

c. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of these permits shall be submitted no later than thirty (30) days following each schedule date.

d. Twenty-four (24) Hour Reporting.

1. The permittee shall report to the Director any noncompliance which may endanger health or the environment. Appropriate information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported orally within 24 hours:

I. Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.

ii. Any noncompliance with a permit condition, or malfunction of the injection system, which may cause unpermitted fluid migration into or between underground sources of drinking water.

2. A written submission also shall be provided within five (5) business days of the time the permittee becomes aware of the circumstances of such noncompliance. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, the anticipated time it is expected to continue; and if the noncompliance has or has not been corrected, and steps taken or

planned to reduce, eliminate and prevent recurrence of the noncompliance.

e. Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in permit condition 11(d)(2) above.

f. Other Information. When the permittee becomes aware of failure to submit any relevant facts in the permit applications or that incorrect information was submitted in a permit application or in any report to the Director, the permittee shall submit such facts and corrected information within ten (10) days.

g. The Director shall be notified immediately, in writing, if the person responsible for certification of documents pursuant to OAC Rule 3745-34-17 is changed.

F. PLUGGING AND ABANDONMENT

1. Plan for Plugging and Abandonment. Before any well installed pursuant to this permit is taken out of service, the permittee shall submit to the Ohio Environmental Protection Agency a plan for the plugging and abandonment of such well. The required plan shall specify procedures and contain such other provisions as are necessary to ensure that no movement of fluids into an underground source of drinking water is allowed. After review and acceptance of this plan by the Ohio Environmental Protection Agency, that plan shall automatically become a condition of this permit.

2. Abandonment Requirements. Injection wells declared as temporarily abandoned shall be maintained in strict compliance with Rule 3745-9-09 of the OAC to ensure that the well will not endanger underground sources of drinking water during the period of temporary abandonment. Injection wells declared as permanently abandoned shall be plugged in accordance with Rule 3745-9-10(C) of the OAC.

3. Plugging Report. Within 30 days after plugging the well, the permittee shall submit a plugging report to the Director. The report shall be certified as accurate by the person who performed the plugging operation and shall contain a statement defining the plugging procedure.

G. CORRECTIVE ACTION

1. Should routine monitoring or any other information indicate that primary drinking water standards as defined in Chapter 3745-81 of the OAC are, or may be, exceeded in any underground source of drinking water beyond the property boundary, or any monitored or other parameters are being significantly degraded in underground sources of drinking water not permitted for underground injection and as a consequence of the injection well operation, the permittee shall develop a corrective action plan. Such plan must include a determination of the nature, rate, and extent of the degradation. The plan may also be required to include appropriate remedial actions such as: additional chemical treatment, discontinuance of injection operations and/or others yet to be determined.

2. The plan for corrective action shall be submitted to the Director within 30 days of the date that indications of a violation of Chapter 3745-81 are noted, and are subject to approval by the Ohio EPA prior to implementation.

PART II
SPECIAL CONDITIONS

A. WELL CONSTRUCTION AND COMPLETION

All well construction and operations shall be conducted in accordance with the specifications submitted with the applications for this permit. Activities conducted under this permit include, but are not limited to, the following:

Injection Well Installation.

Up to ten (10) injection wells shall be drilled/installed to a depth of approximately 80 feet with the well screen interval extending from a depth of approximately 20 feet to 80 feet. Drilling and construction shall be supervised by a knowledgeable hydrogeologist or engineer representing the facility.

B. WELL OPERATION

1. Injection Zone. The injection zone is the Upper Great Miami Buried Valley Aquifer.

2. Injectate Quality Limits. Injectate shall be comprised of extracted ground water amended with sodium lactate. Constituents present in reinjected ground water shall not exceed the following limits:

1,1,1-Trichloroethane	0.710 mg/l
1,1-Dichloroethene	0.126 mg/l
1,2-Dichloroethane	0.114 mg/l
Carbon Tetratchloride	0.114 mg/l
Cis-1, 2-Dichloroethene	1.050 mg/l
Tetrachloroethene	1.913 mg/l
Trichloroethene	5.381 mg/l
Vinyl Chloride	0.114 mg/l

If at any time analyses indicate that the constituent limits established for reinjected ground water have been exceeded, the Director shall require that the permittee take corrective actions to bring the injected fluids back within the limits established in these permits. Further injection will be prohibited until the permittee adequately demonstrates that the exceedance has been corrected.

3. Injection Rate.

The maximum injection rate per well shall not exceed 100 gallons per minute (gpm).

C. MONITORING

1. Injected Fluids. To be monitored:

   a. Daily for average rate and injection volume; reported monthly;

   b. Monthly for 1,1,1-Trichloroethane; 1,1-Dichloroethene; 1,2-Dichloroethane; Carbon Tetratchloride; Cis-1, 2-Dichloroethene; Tetrachloroethene; Trichloroethene; and Vinyl Chloride; reported monthly;

   c. Quarterly for 1,2-Dichloropropane and 1,1,2-Trichloroethane; reported quarterly.

   d. Annually for Antimony; Arsenic; Barium; Cadmium; Chromium; Cyanide; Lead; Mercury; and Selenium; reported annually.

D. REPORTING

The permittee shall submit monitoring reports to the Ohio EPA, Division of Drinking and Ground Waters, Underground Injection Control Unit by the 15th day of the month following each month that monitoring results are required in accordance with schedules described in Part II(B) of this permit at the following address:

Ohio EPA
Division of Drinking and Ground Waters
Underground Injection Control Unit
Lazarus Government Center
122 South Front Street
P.O. Box 1049
Columbus, Ohio 43216-1049

Reports shall contain information regarding types of tests and methods used to generate monitoring data, as specified in Part I(E)(10) of this permit.

E. AGENCY INVOLVEMENT

Personnel from the Ohio EPA have unrestricted right of entry to the wells, as detailed in Part I (E)(8) of this permit.

F. GENERAL

The wells shall be constructed in such a manner that prevents the movement of the injectate of any fluid into any underground source of drinking water if the injectate or fluid may cause of violation of any primary drinking water rule under Chapter 3745-81 of the Ohio Administrative Code not included in this permitted remediation project or may otherwise adversely affect the health of persons.

Issuance of these permits presumes compliance on the part of the permittee with all applicable sections of OAC Rules 3745-34-26, 3745-34-27, all parts of OAC Rule 3745-34-20, effect of a Permit, and Chapter 6111. of the Ohio Revised Code.

J:\DATA\WP\DROBERTS\WP\ORR\ChryslerPTDPTO.wpd

10160/875688/4168448-64

DaimlerChrysler Chain-of-Custody

3875 B

...ter Laboratories ...5 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DCX - Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczik	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI 43083 Consultant PM: Rob Stenson Phone: 920-451-2467 Fax: 920-458-6552	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify) _____

Are aqueous samples field filtered for metals? Yes No

EPA Region 5 Records Ctr. 349431

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	TOC	8015B	SO_4	NO_2	NO_3	COD	COD (Dissolved)	Fe 2+	T. Hardness	Remarks
MWC002-111903	11/19/03	1600	G	GW	10	X	X	X	X	X	X	X	X	X	
MWA005-111903		1615				X	X	X	X	X	X	X	X	X	
PZ13I-111903		1600				X	X	X	X	X	X	X	X	X	
MWA002-111903		1315				X	X	X	X	X	X	X	X	X	
PZ16D-111903		1250				X	X	X	X	X	X	X	X	X	
PZ8D-111903		855				X	X	X	X	X	X	X	X	X	
PZ8I-111903		847				X	X	X	X	X	X	X	X	X	
MWC5-111903		845				X	X	X	X	X	X	X	X	X	
Trip Blank															TB vial not rec'd @ lab

Sampler(s): DD/DH/KZ	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 3°, 4°C, 3°, 4°C
	Relinquished by: D. Dessler	Date: 11/19/03	Time: 1800	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by:	Date: 11/20/03	Time: 0950	Custody Seal Intact? (Yes) No

DaimlerChrysler 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. 3
Created. July 9, 1999

10160/875688/416848-64

DAIMLERCHRYSLER — Chain-of-Custody

3876 B

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DCX Dayton Thermal Site Location: Dayton, OH. Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Stoughton, WI. 43083 Consultant PM: Rob Stanson Phone: 920-457-2400 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Mn Fe	SO_4	Alkalinity	Fe (Dissolved)						Remarks
MWC002-111903	11/14/03	1600	G	GW	4	X	X	X	X						
MWA005-111903		1615				X	X	X	X						
PZ13I-111903		1600				X	X	X	X						
MWA002-111903		1315				X	X	X	X						
PZ16D-111903		1250				X	X	X	X						
PZ8D-111903		855				X	X	X	X						
PZ8I-111903		847				X	X	X	X						
MW8S-111903		845				X	X	X	X						

Sampler(s): DD/DH/KZ	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected): 3.4°C, 3°, 4°C
	Relinquished by: D. December	Date: 11/14/03	Time: 1800	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: N. Carlin	Date: 11/20/03	Time: 0920	Custody Seal Intact? Yes No

DaimlerChrysler 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 3
Created July 9, 1999

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 875688. Samples arrived at the laboratory on Thursday, November 20, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
MWC002-111903 Grab Groundwater Sample	4168448
MWC002-111903 Filtered Grab Groundwater Sample	4168449
MWA005-111903 Grab Groundwater Sample	4168450
MWA005-111903 Filtered Grab Groundwater Sample	4168451
PZ13I-111903 Grab Groundwater Sample	4168452
PZ13I-111903 Filtered Grab Groundwater Sample	4168453
MWA002-111903 Grab Groundwater Sample	4168454
MWA002-111903 Filtered Grab Groundwater Sample	4168455
PZ16D-111903 Grab Groundwater Sample	4168456
PZ16D-111903 Filtered Grab Groundwater Sample	4168457
PZ8D-111903 Grab Groundwater Sample	4168458
PZ8D-111903 Filtered Grab Groundwater Sample	4168459
PZ8I-111903 Grab Groundwater Sample	4168460
PZ8I-111903 Filtered Grab Groundwater Sample	4168461
MW8S-111903 Grab Groundwater Sample	4168462
MW8S-111903 Filtered Grab Groundwater Sample	4168463

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Lancaster Laboratories

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Valerie L. Tomayko
Sr. Chemist

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168448

MWC002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/09/2003 at 09:16
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

C002- SDG#: DCN89-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	3.04	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.30 J	0.080	mg/l	1
07058	Manganese	7439-96-5	0.0432	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	288.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	457.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	0.94 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	65.6	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	11.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	2.7	0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:13	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:26	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 00:13	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168448

MWC002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/09/2003 at 09:16
Discard: 02/08/2004

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Livonia MI 48153-7933

C002- SDG#: DCN89-01

00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:18	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/28/2003 19:26	Kyle W Eckenroad	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/26/2003 17:08	Michelle A Bolton	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 15:20	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168449

MWC002-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

C002F SDG#: DCN89-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.41		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	13.9	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:18	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168450

MWA005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
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C005- SDG#: DCN89-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.249	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.20	0.045	mg/l	1
07058	Manganese	7439-96-5	0.302	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	302.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	546.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	0.023 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	3.7	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	2.1	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	75.2	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	23.2 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.045 J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:35	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:30	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 00:35	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168450

MWA005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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C005- SDG#: DCN89-03

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:19	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/28/2003 19:27	Kyle W Eckenroad	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/26/2003 17:17	Michelle A Bolton	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 15:51	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168451

MWA005-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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C005F SDG#: DCN89-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	20.8	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:41	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168452

PZ13I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
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Z131- SDG#: DCN89-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.0619 J	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.062 J	0.045	mg/l	1
07058	Manganese	7439-96-5	0.161	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	340.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	448.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.50	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	1.3 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	78.4	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	11.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:47	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:32	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 00:47	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster Laboratories Sample No. WW 4168452

PZ13I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z131- SDG#: DCN89-05

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:20	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/28/2003 19:29	Kyle W Eckenroad	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/26/2003 17:25	Michelle A Bolton	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 16:02	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories Sample No. WW 4168453

PZ13I-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z131F SDG#: DCN89-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	16.2	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:52	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168454

MWA002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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A002- SDG#: DCN89-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.50	0.0453	mg/l	1
02268	Ferric Iron	n.a.	1.5	0.045	mg/l	1
07058	Manganese	7439-96-5	0.0706	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	330.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	522.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.78	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	1.6 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	68.1	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	32.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 23:39	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:23	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/04/2003 23:39	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168454

MWA002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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A002- SDG#: DCN89-07

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:22	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	12/01/2003 21:40	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/26/2003 17:33	Michelle A Bolton	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 16:13	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168455

MWA002-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:15 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

A002F SDG#: DCN89-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	32.5	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 00:58	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168456

PZ16D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:50 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
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Z16D- SDG#: DCN89-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	4.65	0.0453	mg/l	1
02268	Ferric Iron	n.a.	2.1	0.080	mg/l	1
07058	Manganese	7439-96-5	0.180	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	412.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	612.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	1.6 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	98.3	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	18.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	2.5	0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:04	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:35	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 01:04	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168456

PZ16D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:50 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z16D- SDG#: DCN89-09

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:25	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	12/01/2003 21:41	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/26/2003 17:17	Michelle A Bolton	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 16:23	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168457

PZ16D-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:50 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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PO Box 537933
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Z16DF SDG#: DCN89-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.20		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	13.9	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:09	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No/ WW 4168458

PZ8D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:55 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z8D-- SDG#: DCN89-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	3.24		0.0453	mg/l	1
02268	Ferric Iron	n.a.	1.3		0.080	mg/l	1
07058	Manganese	7439-96-5	0.132		0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	427.		0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	586.		2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.		1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.						
00273	Total Organic Carbon	n.a.	1.7	J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	118.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	25.5	J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	2.0		0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon						
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:15	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:37	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 01:15	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168458

PZ8D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:55 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z8D-- SDG#: DCN89-11

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:43	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	12/01/2003 21:45	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/22/2003 03:38	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 16:34	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168459

PZ8D-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:55 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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PO Box 537933
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Z8DF- SDG#: DCN89-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.46		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	18.5	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:21	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168460

PZ8I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:47 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z8I-- SDG#: DCN89-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.100 J	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.092 J	0.045	mg/l	1
07058	Manganese	7439-96-5	0.0984	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	166.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	242.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	2.0 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	27.9	1.5	mg/l	1
04001	Chemical Oxygen Demand	n.a.	11.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.0088 J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	100.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:26	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:39	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 01:26	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168460

PZ8I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:47 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

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Z8I-- SDG#: DCN89-13

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:47	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	12/01/2003 21:46	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/22/2003 03:46	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 16:55	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168461

PZ8I-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:47 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
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Z8IF- SDG#: DCN89-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	11.5 J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:43	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168462

MW8S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:45 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
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Z8S-- SDG#: DCN89-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.554	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.55	0.045	mg/l	1
07058	Manganese	7439-96-5	0.0071	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	295.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	437.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.1	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	9.3	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	33.3	1.5	mg/l	1
04001	Chemical Oxygen Demand	n.a.	27.8 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:49	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:41	Julie A Slaughenhoupt	1
07058	Manganese	SW-846 6010B	1	12/05/2003 01:49	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/21/2003 17:36	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster Laboratories Sample No. WW 4168462

MW8S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:45 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
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Z8S-- SDG#: DCN89-15

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 19:34	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	12/01/2003 21:50	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	11/21/2003 07:45	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/22/2003 03:54	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/24/2003 10:10	Susan A Engle	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/20/2003 20:15	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/25/2003 17:06	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4168463

MW8S-111903 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:45 by DD

Account Number: 10160

Submitted: 11/20/2003 09:20
Reported: 12/05/2003 at 16:37
Discard: 02/04/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z8SF- SDG#: DCN89-16

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	34.8	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/05/2003 01:54	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 20:00	James L Mertz	1

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Lancaster, PA 17605-2425
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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875688
Reported: 12/09/03 at 11:30 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03324105103A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		89-110		
Batch number: 03324105103B	Sample number(s): 4168460,4168462							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		89-110		
Batch number: 03324834401A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Ferrous Iron	N.D.	0.0080	mg/l	104		92-105		
Batch number: 03325011112A	Sample number(s): 4168448							
Total Organic Carbon	N.D.	0.50	mg/l	102		89-115		
Batch number: 03325011112B	Sample number(s): 4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Total Organic Carbon	N.D.	0.50	mg/l	102		89-115		
Batch number: 03325020201A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Alkalinity to pH 4.5				100		98-103		
Batch number: 03325022901A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Sulfite	N.D.	1.2	mg/l	83		68-103		
Batch number: 033280012A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Ethane	N.D.	1.0	ug/l	98		80-120		
Ethene	N.D.	1.0	ug/l	98		80-120		
Batch number: 03328112501A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Sulfate (turbidimetric)	N.D.	1.5	mg/l	96		90-110		
Batch number: 03328400102A	Sample number(s): 4168448-4168463							
Chemical Oxygen Demand				99		95-107		
Batch number: 033291848007	Sample number(s): 4168448-4168463							
Iron	N.D.	0.0453	mg/l	105		91-114		
Manganese	N.D.	0.00051	mg/l	103		93-110		
Batch number: 03332106102B	Sample number(s): 4168448,4168450,4168452							
Nitrate Nitrogen	N.D.	0.040	mg/l	97		89-110		
Batch number: 03335106101A	Sample number(s): 4168454,4168456,4168458,4168460							

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875688
Reported: 12/09/03 at 11:30 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Nitrate Nitrogen	N.D.	0.040	mg/l	100		89-110		
Batch number: 03335106101B	Sample number(s): 4168462							
Nitrate Nitrogen	N.D.	0.040	mg/l	100		89-110		
Batch number: 03336021601A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462							
Total Hardness	N.D.	0.49	mg/l as Ca	101		98-107		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03324105103A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458								
Nitrite Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Batch number: 03324105103B	Sample number(s): 4168460,4168462								
Nitrite Nitrogen	54*		90-110			N.D.	N.D.	200* (1)	20
Batch number: 03324834401A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Ferrous Iron	99	98	76-119	1	5	2.5	2.6	3	20
Batch number: 03325011112A	Sample number(s): 4168448								
Total Organic Carbon	97		63-136			1.6 J	1.6 J	1 (1)	3
Batch number: 03325011112B	Sample number(s): 4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Total Organic Carbon	100		63-136			5.3	5.2	2 (1)	3
Batch number: 03325020201A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	99	99	64-130	0	2	76.9	75.8	1	4
Batch number: 03325022901A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Sulfite	50	39	29-104	25*	20	N.D.	N.D.	200* (1)	20
Batch number: 033280012A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875688
Reported: 12/09/03 at 11:30 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethane	100	105	71-128	5	20				
Ethene	102	108	68-142	6	20				
Batch number: 03328112501A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Sulfate (turbidimetric)	97	96	69-124	1	4	19.4	18.1	7* (1)	4
Batch number: 03328400102A	Sample number(s): 4168448-4168463								
Chemical Oxygen Demand	92	94	90-110	2	2	7,070.	6,930.	2	4
Batch number: 033291848007	Sample number(s): 4168448-4168463								
Iron	111	111	75-125	0	20	1.50	1.56	4	20
Manganese	100	103	85-111	2	20	0.0706	0.0712	1	20
Batch number: 03332106102B	Sample number(s): 4168448,4168450,4168452								
Nitrate Nitrogen	97		90-110			N.D.	N.D.	0 (1)	2
Batch number: 03335106101A	Sample number(s): 4168454,4168456,4168458,4168460								
Nitrate Nitrogen	97		90-110			N.D.	N.D.	0 (1)	2
Batch number: 03335106101B	Sample number(s): 4168462								
Nitrate Nitrogen	93		90-110			1.1	1.1	0	2
Batch number: 03336021601A	Sample number(s): 4168448,4168450,4168452,4168454,4168456,4168458,4168460,4168462								
Total Hardness	100	101	93-115	0	2	72.2	73.8	2	4

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 033280012A

	Propene
4168448	91
4168450	97
4168452	91
4168454	93
4168456	90
4168458	89
4168460	94
4168462	92

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 875688
Reported: 12/09/03 at 11:30 AM

Surrogate Quality Control

Blank	93
LCS	94
MS	89
MSD	93
Limits:	58-129

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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10160/875292/4166559-78 and 875351/4167007-8

DAIMLERCHRYSLER

Chain-of-Custody

3852 B

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DCX - ~~Daimler~~ Dayton Thermal Site Location: Dayton OH Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczuk	Consultant: ~~Sp~~ Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI. 43083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

EPA Region 5 Records Ctr.
349432

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MW31s-111403	11/14/03	1150	G	GW	3	X									
MW31s-111403-02		1155				X									
PZ31D-111403		1155				X									
PZ31I-111403		1225				X									
MW26s-111403		0900				X									
PZ26D-111403		0835				X									
PZ26I-111403		0835				X									
MW40s-111403		0940				X									
PZ40D-111403		1020				X									
PZ40I-111403		0945				X									

Sampler(s) DP/DH/KZ/BE

Cooler ID # C06762-C07845-C08851-C07132 Samples Relinquished under Airbill No. 842249102537 Temperature (corrected) 4.5°, 5.5°, 5.0°, 3.0°

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
P. December	11/17/03	1830				Yes No

Is RFA sampling complete? Yes No

Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			Kathy Binkley	11-18-03	0945	Yes No

DaimlerChrysler 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. 3
Created: July 9, 1999

10160/875292/4166559-78 and 875351/4167007-8

DAIMLERCHRYSLER

Chain-of-Custody

3853 B

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DCX - Dayton thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI, 43083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MW28S-111403	11/14/03	1450	G	GW	3	X								
PZ28D-111403	↓	1430	↓	↓	3	X								
PZ20I-111403		1425			3	X								
TW16-111403		1020			3	X								
TW9-111403 MS		920			9	X								
TW10-111403		815			3	X								
TW24-111403		1210			3	X								
TW11-111403		1427			3	X								
PZ32D-111403		1635			3	X								
PZ32I-111403	↓	1625	↓	↓	3	X								

Sampler(s) DD/DH/KZ/BE

Cooler ID # C06-162-C07845-C07851-C07132

Samples Relinquished under Airbill No. 842249102537

Temperature (corrected) 4.5°, 5.5°, 5.0°, 3.0°

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
D Decembre	11/17/03	1830				Yes No

Is RFA sampling complete? Yes No

Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			Kathy Binkley	11-18-03	0945	Yes No

DaimlerChrysler 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. 3
Created July 9, 1999

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 875292. Samples arrived at the laboratory on Tuesday, November 18, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
MW31S-111403 Grab Groundwater Sample	4166559
MW31S-111403-02 Grab Groundwater Sample	4166560
PZ31D-111403 Grab Groundwater Sample	4166561
PZ31I-111403 Grab Groundwater Sample	4166562
MW26S-111403 Grab Groundwater Sample	4166563
PZ26D-111403 Grab Groundwater Sample	4166564
PZ26I-111403 Grab Groundwater Sample	4166565
MW40S-111403 Grab Groundwater Sample	4166566
PZ40D-111403 Grab Groundwater Sample	4166567
PZ40I-111403 Grab Groundwater Sample	4166568
MW28S-111403 Grab Groundwater Sample	4166569
PZ28D-111403 Grab Groundwater Sample	4166570
PZ28I-111403 Grab Groundwater Sample	4166571
TW16-111403 Grab Groundwater Sample	4166572
TW9-111403 Unspiked Grab Groundwater Sample	4166573
TW10-111403 Grab Groundwater Sample	4166574
TW24-111403 Grab Groundwater Sample	4166575
TW11-111403 Grab Groundwater Sample	4166576
PZ32D-111403 Grab Groundwater Sample	4166577
PZ32I-111403 Grab Groundwater Sample	4166578

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Lancaster Laboratories

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Lawrence M. Taylor
Sr. Chemist

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166559

MW31S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:32
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31S-- SDG#: DCN84-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166559

MW31S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:32
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31S-- SDG#: DCN84-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 18:46	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 18:46	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166560

MW31S-111403-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:55 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31S02 SDG#: DCN84-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166560

MW31S-111403-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:55 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31S02 SDG#: DCN84-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 19:10	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 19:10	Marla S Lord	n.a.

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166561

PZ31D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:55 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31D-- SDG#: DCN84-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166561

PZ31D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 11:55 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31D-- SDG#: DCN84-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 19:34	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 19:34	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166562

PZ31I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 12:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31I-- SDG#: DCN84-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1. J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	7.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	6.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	50.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	140.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166562

PZ31I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 12:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

31I-- SDG#: DCN84-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 19:57	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 19:57	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166563

MW26S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:00 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

26S-- SDG#: DCN84-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	2.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	3.	J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166563

MW26S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:00 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

26S-- SDG#: DCN84-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 20:21	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 20:21	Marla S Lord	n.a.

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166564

PZ26D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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-26D- SDG#: DCN84-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	1.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	3.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2.	J	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	70.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	4.	J	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166564

PZ26D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-26D- SDG#: DCN84-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 20:44	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 20:44	Marla S Lord	n.a.

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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166565

PZ26I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

26I-- SDG#: DCN84-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	17.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	31.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	34.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	17.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	930.		16.	ug/l	20
05396	Chloroform	67-66-3	4.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	230.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	2.	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	6.		1.	ug/l	1
05403	Trichloroethene	79-01-6	2,900.		20.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	3.	J	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166565

PZ26I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

26I-- SDG#: DCN84-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 21:08	Marla S Lord	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 04:11	Marla S Lord	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 21:08	Marla S Lord	n.a.

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Lancaster Laboratories Sample No. WW 4166566

MW40S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

40S-- SDG#: DCN84-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	2.	J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166566

MW40S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:40 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

40S-- SDG#: DCN84-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The result for trichloroethene is suspected carryover contamination from a previous analysis. Since only one vial was submitted for this analysis, a repeat analysis was performed from the original vial with headspace. Trichloroethene was not detected in the second analysis.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 21:31	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 21:31	Marla S Lord	n.a.

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Lancaster Laboratories Sample No. WW 4166567

PZ40D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 10:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
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40D-- SDG#: DCN84-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166567

PZ40D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 10:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

40D-- SDG#: DCN84-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 21:55	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 21:55	Marla S Lord	n.a.

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Lancaster Laboratories Sample No. WW 4166568

PZ40I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:45 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

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40I-- SDG#: DCN84-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166568

PZ40I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:45 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

40I-- SDG#: DCN84-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 22:19	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 22:19	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166569

MW28S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

28S-- SDG#: DCN84-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		5.	ug/l	10
05385	Chloromethane	74-87-3	N.D.		10.	ug/l	10
05386	Vinyl Chloride	75-01-4	19.	J	10.	ug/l	10
05387	Bromomethane	74-83-9	N.D.		10.	ug/l	10
05388	Chloroethane	75-00-3	N.D.		10.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	27.	J	8.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.		20.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	24.	J	8.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	15.	J	10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	1,100.		8.	ug/l	10
05396	Chloroform	67-66-3	N.D.		8.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	75.		8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		10.	ug/l	10
05401	Benzene	71-43-2	N.D.		5.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.		10.	ug/l	10
05403	Trichloroethene	79-01-6	9,600.		100.	ug/l	100
05404	1,2-Dichloropropane	78-87-5	N.D.		10.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.		10.	ug/l	10
05407	Toluene	108-88-3	N.D.		7.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.		8.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.		8.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.		10.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.		8.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.		8.	ug/l	10
05418	Styrene	100-42-5	N.D.		10.	ug/l	10
05419	Bromoform	75-25-2	N.D.		10.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10.	ug/l	10
06302	Acetone	67-64-1	N.D.		60.	ug/l	10
06303	Carbon Disulfide	75-15-0	N.D.		10.	ug/l	10
06305	2-Butanone	78-93-3	N.D.		30.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		10.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		10.	ug/l	10
06308	4-Methyl-2-pentanone	108-10-1	N.D.		30.	ug/l	10
06309	2-Hexanone	591-78-6	N.D.		30.	ug/l	10

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166569

MW28S-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:50 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

28S-- SDG#: DCN84-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	8.	ug/l	10

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 22:43	Marla S Lord	10
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 23:06	Marla S Lord	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 22:43	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166570

PZ28D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:30 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

28D-- SDG#: DCN84-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	6.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	42.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166570

PZ28D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:30 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

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28D-- SDG#: DCN84-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 23:30	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 23:30	Marla S Lord	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166571

PZ28I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

28I-- SDG#: DCN84-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	4.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	9.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	13.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	17.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	250.		0.8	ug/l	1
05396	Chloroform	67-66-3	1.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	38.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	0.5	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	6.		1.	ug/l	1
05403	Trichloroethene	79-01-6	820.		10.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166571

PZ28I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

28I-- SDG#: DCN84-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/23/2003 23:53	Marla S Lord	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 00:17	Marla S Lord	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2003 23:53	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166572

TW16-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 10:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T16-- SDG#: DCN84-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2.	J	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	2.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	8.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	160.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	1.	J	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166572

TW16-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 10:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

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T16-- SDG#: DCN84-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 00:40	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 00:40	Marla S Lord	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166573

TW9-111403 Unspiked Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T9--- SDG#: DCN84-15BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4166573

TW9-111403 Unspiked Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:33
Discard: 01/31/2004

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T9--- SDG#: DCN84-15BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 01:04	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 01:04	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166574

TW10-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:15 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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T10-- SDG#: DCN84-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166574

TW10-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 08:15 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T10-- SDG#: DCN84-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 02:14	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 02:14	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166575

TW24-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 12:10 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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T24-- SDG#: DCN84-17

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	ug/l	1
05396	Chloroform	67-66-3	3.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	10.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	2.	J	1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	16.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	1.	J	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166575

TW24-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 12:10 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T24-- SDG#: DCN84-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 02:37	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 02:37	Marla S Lord	n.a.

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166576

TW11-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:27 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T11-- SDG#: DCN84-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166576

TW11-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 14:27 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T11-- SDG#: DCN84-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 03:01	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 03:01	Marla S Lord	n.a.

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166577

PZ32D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 16:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

32D-- SDG#: DCN84-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	0.9	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	77.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166577

PZ32D-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 16:35 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

32D-- SDG#: DCN84-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 03:24	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 03:24	Marla S Lord	n.a.

MEMBER ACIL
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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166578

PZ32I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 16:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

32I-- SDG#: DCN84-20*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	20.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4166578

PZ32I-111403 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 16:25 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:34
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

32I-- SDG#: DCN84-20*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 03:48	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 03:48	Marla S Lord	n.a.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:34 AM

Group Number: 875292

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W033271AA	Sample number(s): 4166559-4166578							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90		77-127		
Chloromethane	N.D.	1.	ug/l	88		69-136		
Vinyl Chloride	N.D.	1.	ug/l	90		71-129		
Bromomethane	N.D.	1.	ug/l	81		46-138		
Chloroethane	N.D.	1.	ug/l	87		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	91		79-130		
Methylene Chloride	N.D.	2.	ug/l	92		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	91		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	98		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	92		84-117		
Chloroform	N.D.	0.8	ug/l	91		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	88		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	87		77-130		
Benzene	N.D.	0.5	ug/l	93		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	96		77-132		
Trichloroethene	N.D.	1.	ug/l	91		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	ug/l	88		83-121		
Toluene	N.D.	0.7	ug/l	90		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	93		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	96		82-126		
Dibromochloromethane	N.D.	1.	ug/l	90		78-119		
Chlorobenzene	N.D.	0.8	ug/l	94		85-115		
Ethylbenzene	N.D.	0.8	ug/l	90		82-119		
Styrene	N.D.	1.	ug/l	86		84-117		
Bromoform	N.D.	1.	ug/l	96		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		72-119		
Acetone	N.D.	6.	ug/l	113		22-179		
Carbon Disulfide	N.D.	1.	ug/l	93		80-139		
2-Butanone	N.D.	3.	ug/l	104		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	91		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	92		65-125		
2-Hexanone	N.D.	3.	ug/l	96		49-141		
Xylene (Total)	N.D.	0.8	ug/l	91		84-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W033271AA	Sample number(s): 4166559-4166578								
Methyl Tertiary Butyl Ether	91	91	69-134	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875292
Reported: 12/01/03 at 10:34 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloromethane	105	101	70-148	3	30				
Vinyl Chloride	109	107	64-148	2	30				
Bromomethane	89	87	52-140	3	30				
Chloroethane	102	98	63-142	4	30				
1,1-Dichloroethene	107	104	78-146	3	30				
Methylene Chloride	98	97	79-133	0	30				
trans-1,2-Dichloroethene	101	100	82-133	1	30				
1,1-Dichloroethane	106	106	85-135	0	30				
cis-1,2-Dichloroethene	100	100	83-126	0	30				
Chloroform	98	97	82-131	1	30				
1,1,1-Trichloroethane	100	99	82-135	1	30				
Carbon Tetrachloride	103	102	73-144	1	30				
Benzene	101	99	83-128	2	30				
1,2-Dichloroethane	101	100	73-136	2	30				
Trichloroethene	100	100	75-135	1	30				
1,2-Dichloropropane	107	104	81-121	2	30				
Bromodichloromethane	95	93	83-121	2	30				
Toluene	97	97	83-127	0	30				
1,1,2-Trichloroethane	94	94	77-125	0	30				
Tetrachloroethene	100	101	75-143	1	30				
Dibromochloromethane	92	92	73-119	0	30				
Chlorobenzene	99	100	83-120	0	30				
Ethylbenzene	97	97	82-129	0	30				
Styrene	91	90	72-133	1	30				
Bromoform	96	97	64-119	1	30				
1,1,2,2-Tetrachloroethane	97	95	69-121	2	30				
Acetone	112	111	16-147	1	30				
Carbon Disulfide	106	105	77-155	2	30				
2-Butanone	103	102	42-140	1	30				
trans-1,3-Dichloropropene	93	91	75-117	2	30				
cis-1,3-Dichloropropene	95	92	76-117	2	30				
4-Methyl-2-pentanone	96	95	61-126	1	30				
2-Hexanone	99	98	48-133	0	30				
Xylene (Total)	97	97	82-130	0	30				

Surrogate Quality Control

Analysis Name: TCL by 8260 (water)
Batch number: W033271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4166559	89	85	90	92
4166560	88	85	89	92
4166561	88	84	89	93

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875292
Reported: 12/01/03 at 10:34 AM

Surrogate Quality Control

4166562	88	86	90	92
4166563	89	85	89	92
4166564	88	85	89	92
4166565	89	86	90	92
4166566	89	86	90	92
4166567	89	84	89	92
4166568	89	85	89	91
4166569	89	86	89	92
4166570	90	86	89	92
4166571	90	88	90	92
4166572	89	87	89	92
4166573	90	85	89	92
4166574	90	85	89	92
4166575	90	85	89	92
4166576	89	85	89	92
4166577	90	86	89	92
4166578	90	86	90	91
Blank	88	86	89	91
LCS	88	87	90	94
MS	91	85	90	94
MSD	89	86	89	93
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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10160/875456/4167452-64

DAIMLERCHRYSLER — Chain-of-Custody

3862 B

Lancaster Laboratories	Project Name: Dix-Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton OH	Address: 4135 Technology PKWY	
Lancaster, PA 17601	Site Code:	Sheboygan, WI. 43083	
Phone Number: (717) 656-2300	RFA Number: ET 03076	Consultant PM Rick Stenson	
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stamenkovic	Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

EPA Region 5 Records Ctr. 349433

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	TOC	8015B	SO_3	NO_2	NO_3	COD	COD (Dissolved)	Fe 2+	T. Hard	Remarks
MW29S-111803	11/18/03	1020	G	GW	10	X	X	X	X	X	X	X	X	X	
PZ29D-111803		1125				X	X	X	X	X	X	X	X	X	
PZ29I-111803		1025				X	X	X	X	X	X	X	X	X	
MW400E-111803		1500				X	X	X	X	X	X	X	X	X	
PZ12I-111803		1500				X	X	X	X	X	X	X	X	X	
PZ12D-111803		1520				X	X	X	X	X	X	X	X	X	
Trip Blank					1										

Sampler(s) DD/KZ/DH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 4°C, 4°C, 4°C
	Relinquished by: D. December	Date: 11/18/03	Time: 1730	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by:	Date: 11/19/03	Time: 0920	Custody Seal Intact? (Yes) No

DaimlerChrysler 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. 3
Created. July 9, 1999

10160/875456/4167452-64

DAIMLERCHRYSLER — Chain-of-Custody

3861 B

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DCX-Dayton Thermal Site Location: Dayton, OH. Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology PKWY Sheboygan, WI. 43083 Consultant PM Rob Stenson Phone: 920-451-2407 Fax: 920-458-8550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify) ____

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Mn Fe	SO4	Alkalinity	Fe (Dissolved)						Remarks
MW295-111803	11/18/03	1020	G	GW	4	X	X	X	X						
PZ29D-111803	↓	1125	↓	↓	↓	X	X	X	X						
PZ29I-111803	↓	1025	↓	↓	↓	X	X	X	X						
MW4006-111803	↓	1500	↓	↓	↓	X	X	X	X						
PZ12I-111803	↓	1500	↓	↓	↓	X	X	X	X						
PZ12D-111803	↓	1520	↓	↓	↓	X	X	X	X						

Sampler(s) DD/DH/KZ	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 4°C, 4°C, 4°C
	Relinquished by: D. December	Date: 11/18/03	Time: 1730	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes (No)	Relinquished by:	Date:	Time:	Received for Laboratory by:	Date: 11/19/03	Time: 0920	Custody Seal Intact? (Yes) No

DaimlerChrysler 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. 3
Created. July 9, 1999

Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 875456. Samples arrived at the laboratory on Wednesday, November 19, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
MW29S-111803 Grab Groundwater Sample	4167452
MW29S-111803 Filtered Grab Groundwater Sample	4167453
PZ29D-111803 Grab Groundwater Sample	4167454
PZ29D-111803 Filtered Grab Groundwater Sample	4167455
PZ29I-111803 Grab Groundwater Sample	4167456
PZ29I-111803 Filtered Grab Groundwater Sample	4167457
MWA006-111803 Grab Groundwater Sample	4167458
MWA006-111803 Filtered Grab Groundwater Sample	4167459
PZ12I-111803 Grab Groundwater Sample	4167460
PZ12I-111803 Filtered Grab Groundwater Sample	4167461
PZ12D-111803 Grab Groundwater Sample	4167462
PZ12D-111803 Filtered Grab Groundwater Sample	4167463
Trip_Blank Water Sample	4167464

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Lancaster Laboratories

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Max E. Snavely
Sr. Chemist

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656 2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167452

MW29S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29S SDG#: DCN87-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.830	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.82	0.045	mg/l	1
07058	Manganese	7439-96-5	0.393	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	397.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	533.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.3	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	11.0	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	74.7	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	53.4	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.012 J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	9.5	1.0	ug/l	1
07108	Ethene	74-85-1	3.7 J	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 13:40	Tessa R Marshall	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:08	Max E Snavely	1
07058	Manganese	SW-846 6010B	1	12/04/2003 13:40	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167452

MW29S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29S SDG#: DCN87-01

00219	Nitrite Nitrogen	EPA 353.2	1	11/19/2003 20:55	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:28	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 04:25	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 21:58	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167453

MW29S-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

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Livonia MI 48153-7933

-29SF SDG#: DCN87-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	51.1	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 13:46	Tessa R Marshall	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167454

PZ29D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29D SDG#: DCN87-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	3.77		0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.81	J	0.080	mg/l	1
07058	Manganese	7439-96-5	0.264		0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	389.		0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	489.		2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.		1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.						
00273	Total Organic Carbon	n.a.	2.1		0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	122.		7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	23.2	J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	3.0		0.080	mg/l	10
07105	Volatile Headspace Hydrocarbon						
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 13:51	Tessa R Marshall	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:11	Max E Snavely	1
07058	Manganese	SW-846 6010B	1	12/04/2003 13:51	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167454

PZ29D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29D SDG#: DCN87-03

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 09:26	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:33	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 04:33	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 22:08	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167455

PZ29D-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-29DF SDG#: DCN87-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.97		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	25.5	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 13:56	Tessa R Marshall	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167456

PZ29I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29I SDG#: DCN87-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.248	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.16 J	0.045	mg/l	1
07058	Manganese	7439-96-5	0.104	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	336.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	537.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	0.046 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.50	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	3.0	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	111.	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	23.2 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.083 J	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:02	Tessa R Marshall	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:15	Max E Snavely	1
07058	Manganese	SW-846 6010B	1	12/04/2003 14:02	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167456

PZ29I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

--29I SDG#: DCN87-05

00219	Nitrite Nitrogen	EPA 353.2	1	11/19/2003 20:53	Kyle W Eckenroad	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:31	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 04:41	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 22:19	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167457

PZ29I-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:25 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-29IF SDG#: DCN87-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.0829 J	0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	25.5 J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:07	Tessa R Marshall	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167458

MWA006-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-A006 SDG#: DCN87-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	3.05	0.0453	mg/l	1
02268	Ferric Iron	n.a.	2.9	0.045	mg/l	1
07058	Manganese	7439-96-5	0.0726	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	43.4	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	191.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	0.11	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.69	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	4.9	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	8.1	1.5	mg/l	1
04001	Chemical Oxygen Demand	n.a.	90.6	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.10	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:13	Tessa R Marshall	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:17	Max E Snavely	1
07058	Manganese	SW-846 6010B	1	12/04/2003 14:13	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167458

MWA006-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-A006 SDG#: DCN87-07

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 09:27	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:34	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 04:49	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 22:46	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167459

MWA006-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:35
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

A006F SDG#: DCN87-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	34.8	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:29	Tessa R Marshall	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167460

PZ12I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-Z12I SDG#: DCN87-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.243	0.0453	mg/l	1
02268	Ferric Iron	n.a.	0.24	0.045	mg/l	1
07058	Manganese	7439-96-5	0.180	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	373.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	508.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	1.6 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	82.7	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	18.5 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/10/2003 02:44	Donna R Sackett	1
02268	Ferric Iron	SW-846 6010B modified	1	12/10/2003 09:12	Tessa R Marshall	1
07058	Manganese	SW-846 6010B	1	12/04/2003 14:35	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167460

PZ12I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

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Livonia MI 48153-7933

-Z12I SDG#: DCN87-09

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 09:28	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:35	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 04:57	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 22:57	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167461

PZ12I-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z12IF SDG#: DCN87-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	23.2	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/10/2003 02:48	Donna R Sackett	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167462

PZ12D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-Z12D SDG#: DCN87-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.858	0.0453	mg/l	1
02268	Ferric Iron	n.a.	N.D.	0.045	mg/l	1
07058	Manganese	7439-96-5	0.0904	0.00051	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	385.	0.41	mg/l as CaCO3	1
00216	Total Hardness	471-34-1	592.	2.5	mg/l as CaCO3	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	1.2	mg/l	1
	The 40 CFR Part 136 requires that analysis for sulfite be performed immediately (within 15 minutes) upon sample collection. Although this analysis is performed promptly upon receipt at the laboratory, the results may not be acceptable for NPDES compliance monitoring.					
00273	Total Organic Carbon	n.a.	1.7 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	115.	7.5	mg/l	5
04001	Chemical Oxygen Demand	n.a.	16.2 J	8.2	mg/l	1
08344	Ferrous Iron	n.a.	0.84	0.040	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:46	Tessa R Marshall	1
02268	Ferric Iron	SW-846 6010B modified	1	12/05/2003 13:26	Max E Snavely	1
07058	Manganese	SW-846 6010B	1	12/04/2003 14:46	Tessa R Marshall	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	11/19/2003 17:30	Justin M Bowers	1
00216	Total Hardness	EPA 130.2 (modified)	1	12/02/2003 11:05	Susan A Engle	5

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167462

PZ12D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

-Z12D SDG#: DCN87-11

00219	Nitrite Nitrogen	EPA 353.2	1	11/20/2003 09:32	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	11/25/2003 14:36	Katherine D Webster	1
00229	Sulfite	EPA 377.1	1	11/20/2003 08:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	11/20/2003 05:37	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	11/20/2003 08:50	Susan A Engle	5
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	11/19/2003 23:20	Daniel S Smith	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	11/20/2003 23:08	Tiffany A George	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167463

PZ12D-111803 Filtered Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:20 by DD

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z12DF SDG#: DCN87-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.792		0.0453	mg/l	1
04001	Chemical Oxygen Demand	n.a.	20.8	J	8.2	mg/l	1

This sample was field filtered for dissolved metals and COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	12/04/2003 14:51	Tessa R Marshall	1
04001	Chemical Oxygen Demand	EPA 410.4	1	11/24/2003 08:50	Susan A Engle	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/25/2003 09:23	Denise K Conners	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167464

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

DT-TB SDG#: DCN87-13TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167464

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/19/2003 09:20
Reported: 12/10/2003 at 09:36
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

DT-TB SDG#: DCN87-13TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 06:17	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 06:17	Trent S Sprenkle	n.a.

Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

EPA Region 5 Records Ctr.

349434

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 875351. Samples arrived at the laboratory on Tuesday, November 18, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
TW9-111403MS Matrix Spike Grab Groundwater Sample	4167007
TW9-111403MSD Matrix Spike Dup. Grab Groundwater	4167008

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Chemist/Coordinator

Lancaster Laboratories
Where quality is a science.

Group 875351 is the MS/MSD (QC) that goes with group 875292 (DCN84) that was sent by fedex on 12/1/03.
KAU/885

X1566

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167007

TW9-111403MS Matrix Spike Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:40
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T9--- SDG#: DCN84-15MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	18.	0.5	ug/l	1
05385	Chloromethane	74-87-3	21.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	22.	1.	ug/l	1
05387	Bromomethane	74-83-9	18.	1.	ug/l	1
05388	Chloroethane	75-00-3	20.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	21.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	21.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	20.	0.8	ug/l	1
05396	Chloroform	67-66-3	20.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	20.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	21.	1.	ug/l	1
05401	Benzene	71-43-2	20.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	20.	1.	ug/l	1
05403	Trichloroethene	79-01-6	20.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	21.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	19.	1.	ug/l	1
05407	Toluene	108-88-3	19.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	20.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	19.	0.8	ug/l	1
05418	Styrene	100-42-5	18.	1.	ug/l	1
05419	Bromoform	75-25-2	19.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	19.	1.	ug/l	1
06302	Acetone	67-64-1	170.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	21.	1.	ug/l	1
06305	2-Butanone	78-93-3	150.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	19.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	96.	3.	ug/l	1
06309	2-Hexanone	591-78-6	99.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167007

TW9-111403MS Matrix Spike Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:40
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T9--- SDG#: DCN84-15MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	58.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 01:27	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 01:27	Marla S Lord	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167008

TW9-111403MSD Matrix Spike Dup. Grab Groundwater
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:40
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T9--- SDG#: DCN84-15MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	18.	0.5	ug/l	1
05385	Chloromethane	74-87-3	20.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	21.	1.	ug/l	1
05387	Bromomethane	74-83-9	17.	1.	ug/l	1
05388	Chloroethane	75-00-3	20.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	21.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	19.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	21.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	20.	0.8	ug/l	1
05396	Chloroform	67-66-3	19.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	20.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	20.	1.	ug/l	1
05401	Benzene	71-43-2	20.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	20.	1.	ug/l	1
05403	Trichloroethene	79-01-6	20.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	21.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	19.	1.	ug/l	1
05407	Toluene	108-88-3	19.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	20.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	19.	0.8	ug/l	1
05418	Styrene	100-42-5	18.	1.	ug/l	1
05419	Bromoform	75-25-2	19.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	19.	1.	ug/l	1
06302	Acetone	67-64-1	170.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	21.	1.	ug/l	1
06305	2-Butanone	78-93-3	150.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	18.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	95.	3.	ug/l	1
06309	2-Hexanone	591-78-6	98.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4167008

TW9-111403MSD Matrix Spike Dup. Grab Groundwater
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/14/2003 09:20 by DD

Account Number: 10160

Submitted: 11/18/2003 09:45
Reported: 12/01/2003 at 10:40
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T9--- SDG#: DCN84-15MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	58.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 01:50	Marla S Lord	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 01:50	Marla S Lord	n.a.

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:40 AM

Group Number: 875351

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W033271AA	Sample number(s): 4167007-4167008							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90		77-127		
Chloromethane	N.D.	1.	ug/l	88		69-136		
Vinyl Chloride	N.D.	1.	ug/l	90		71-129		
Bromomethane	N.D.	1.	ug/l	81		46-138		
Chloroethane	N.D.	1.	ug/l	87		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	91		79-130		
Methylene Chloride	N.D.	2.	ug/l	92		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	91		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	98		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	92		84-117		
Chloroform	N.D.	0.8	ug/l	91		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	88		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	87		77-130		
Benzene	N.D.	0.5	ug/l	93		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	96		77-132		
Trichloroethene	N.D.	1.	ug/l	91		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	ug/l	88		83-121		
Toluene	N.D.	0.7	ug/l	90		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	93		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	96		82-126		
Dibromochloromethane	N.D.	1.	ug/l	90		78-119		
Chlorobenzene	N.D.	0.8	ug/l	94		85-115		
Ethylbenzene	N.D.	0.8	ug/l	90		82-119		
Styrene	N.D.	1.	ug/l	86		84-117		
Bromoform	N.D.	1.	ug/l	96		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		72-119		
Acetone	N.D.	6.	ug/l	113		22-179		
Carbon Disulfide	N.D.	1.	ug/l	93		80-139		
2-Butanone	N.D.	3.	ug/l	104		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	91		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	92		65-125		
2-Hexanone	N.D.	3.	ug/l	96		49-141		
Xylene (Total)	N.D.	0.8	ug/l	91		84-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W033271AA	Sample number(s): 4167007-4167008								
Methyl Tertiary Butyl Ether	91	91	69-134	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875351
Reported: 12/01/03 at 10:40 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloromethane	105	101	70-148	3	30				
Vinyl Chloride	109	107	64-148	2	30				
Bromomethane	89	87	52-140	3	30				
Chloroethane	102	98	63-142	4	30				
1,1-Dichloroethene	107	104	78-146	3	30				
Methylene Chloride	98	97	79-133	0	30				
trans-1,2-Dichloroethene	101	100	82-133	1	30				
1,1-Dichloroethane	106	106	85-135	0	30				
cis-1,2-Dichloroethene	100	100	83-126	0	30				
Chloroform	98	97	82-131	1	30				
1,1,1-Trichloroethane	100	99	82-135	1	30				
Carbon Tetrachloride	103	102	73-144	1	30				
Benzene	101	99	83-128	2	30				
1,2-Dichloroethane	101	100	73-136	2	30				
Trichloroethene	100	100	75-135	1	30				
1,2-Dichloropropane	107	104	81-121	2	30				
Bromodichloromethane	95	93	83-121	2	30				
Toluene	97	97	83-127	0	30				
1,1,2-Trichloroethane	94	94	77-125	0	30				
Tetrachloroethene	100	101	75-143	1	30				
Dibromochloromethane	92	92	73-119	0	30				
Chlorobenzene	99	100	83-120	0	30				
Ethylbenzene	97	97	82-129	0	30				
Styrene	91	90	72-133	1	30				
Bromoform	96	97	64-119	1	30				
1,1,2,2-Tetrachloroethane	97	95	69-121	2	30				
Acetone	112	111	16-147	1	30				
Carbon Disulfide	106	105	77-155	2	30				
2-Butanone	103	102	42-140	1	30				
trans-1,3-Dichloropropene	93	91	75-117	2	30				
cis-1,3-Dichloropropene	95	92	76-117	2	30				
4-Methyl-2-pentanone	96	95	61-126	1	30				
2-Hexanone	99	98	48-133	0	30				
Xylene (Total)	97	97	82-130	0	30				

Surrogate Quality Control

Analysis Name: TCL by 8260 (water)
Batch number: W033271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4167007	91	85	90	94
4167008	89	86	89	93
Blank	88	86	89	91

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875351
Reported: 12/01/03 at 10:40 AM

Surrogate Quality Control

LCS	88	87	90	94
MS	91	85	90	94
MSD	89	86	89	93
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Lancaster Laboratories

EPA Region 5 Records Ctr.
349435

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:47 AM

Group Number: 875901

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y033272AA	Sample number(s): 4169635-4169639							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97		77-127		
Chloromethane	N.D.	1.	ug/l	83		69-136		
Vinyl Chloride	N.D.	1.	ug/l	93		71-129		
Bromomethane	N.D.	1.	ug/l	62		46-138		
Chloroethane	N.D.	1.	ug/l	68		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	101		79-130		
Methylene Chloride	N.D.	2.	ug/l	101		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97		84-117		
Chloroform	N.D.	0.8	ug/l	100		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	102		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	102		77-130		
Benzene	N.D.	0.5	ug/l	100		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	105		77-132		
Trichloroethene	N.D.	1.	ug/l	98		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	97		80-117		
Bromodichloromethane	N.D.	1.	ug/l	98		83-121		
Toluene	N.D.	0.7	ug/l	96		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	108		82-126		
Dibromochloromethane	N.D.	1.	ug/l	96		78-119		
Chlorobenzene	N.D.	0.8	ug/l	99		85-115		
Ethylbenzene	N.D.	0.8	ug/l	99		82-119		
Styrene	N.D.	1.	ug/l	96		84-117		
Bromoform	N.D.	1.	ug/l	95		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		72-119		
Acetone	N.D.	6.	ug/l	136		22-179		
Carbon Disulfide	N.D.	1.	ug/l	100		80-139		
2-Butanone	N.D.	3.	ug/l	118		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	95		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	99		65-125		
2-Hexanone	N.D.	3.	ug/l	101		49-141		
Xylene (Total)	N.D.	0.8	ug/l	101		84-120		
Batch number: Y033272AB	Sample number(s): 4169639							
Trichloroethene	N.D.	1.	ug/l	98		87-117		
Tetrachloroethene	N.D.	0.8	ug/l	108		82-126		
Batch number: Y033281AA	Sample number(s): 4169611-4169612,4169640-4169650							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99	99	77-127	0	30
Chloromethane	N.D.	1.	ug/l	72	73	69-136	1	30
Vinyl Chloride	N.D.	1.	ug/l	79	78	71-129	0	30
Bromomethane	N.D.	1.	ug/l	57	62	46-138	9	30
Chloroethane	N.D.	1.	ug/l	74	74	59-133	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1-Dichloroethene	N.D.	0.8	ug/l	100	100	79-130	0	30
Methylene Chloride	N.D.	2.	ug/l	103	102	80-128	1	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98	99	81-124	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	100	100	83-127	0	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97	98	84-117	1	30
Chloroform	N.D.	0.8	ug/l	100	100	86-124	0	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	102	100	83-127	1	30
Carbon Tetrachloride	N.D.	1.	ug/l	101	100	77-130	1	30
Benzene	N.D.	0.5	ug/l	98	99	85-117	0	30
1,2-Dichloroethane	N.D.	1.	ug/l	106	106	77-132	1	30
Trichloroethene	N.D.	1.	ug/l	98	97	87-117	1	30
1,2-Dichloropropane	N.D.	1.	ug/l	97	98	80-117	1	30
Bromodichloromethane	N.D.	1.	ug/l	98	98	83-121	0	30
Toluene	N.D.	0.7	ug/l	95	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95	96	86-113	1	30
Tetrachloroethene	N.D.	0.8	ug/l	103	104	82-126	1	30
Dibromochloromethane	N.D.	1.	ug/l	93	95	78-119	2	30
Chlorobenzene	N.D.	0.8	ug/l	97	98	85-115	1	30
Ethylbenzene	N.D.	0.8	ug/l	97	97	82-119	1	30
Styrene	N.D.	1.	ug/l	95	96	84-117	1	30
Bromoform	N.D.	1.	ug/l	94	94	63-122	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	91	91	72-119	0	30
Acetone	N.D.	6.	ug/l	163	164	22-179	1	30
Carbon Disulfide	N.D.	1.	ug/l	103	104	80-139	1	30
2-Butanone	N.D.	3.	ug/l	143	141	45-154	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	94	93	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	95	96	78-114	0	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	99	99	65-125	0	30
2-Hexanone	N.D.	3.	ug/l	104	102	49-141	1	30
Xylene (Total)	N.D.	0.8	ug/l	98	99	84-120	1	30

Batch number: Y033291AA Sample number(s): 4169613-4169624

Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99	77-127
Chloromethane	N.D.	1.	ug/l	74	69-136
Vinyl Chloride	N.D.	1.	ug/l	82	71-129
Bromomethane	N.D.	1.	ug/l	59	46-138
Chloroethane	N.D.	1.	ug/l	64	59-133
1,1-Dichloroethene	N.D.	0.8	ug/l	102	79-130
Methylene Chloride	N.D.	2.	ug/l	100	80-128
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98	81-124
1,1-Dichloroethane	N.D.	1.	ug/l	101	83-127
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97	84-117
Chloroform	N.D.	0.8	ug/l	101	86-124
1,1,1-Trichloroethane	N.D.	0.8	ug/l	103	83-127
Carbon Tetrachloride	N.D.	1.	ug/l	105	77-130
Benzene	N.D.	0.5	ug/l	99	85-117
1,2-Dichloroethane	N.D.	1.	ug/l	109	77-132
Trichloroethene	N.D.	1.	ug/l	98	87-117

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	N.D.	1.	ug/l	98		80-117		
Bromodichloromethane	N.D.	1.	ug/l	99		83-121		
Toluene	N.D.	0.7	ug/l	95		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	99		82-126		
Dibromochloromethane	N.D.	1.	ug/l	95		78-119		
Chlorobenzene	N.D.	0.8	ug/l	98		85-115		
Ethylbenzene	N.D.	0.8	ug/l	98		82-119		
Styrene	N.D.	1.	ug/l	95		84-117		
Bromoform	N.D.	1.	ug/l	94		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	92		72-119		
Acetone	N.D.	6.	ug/l	156		22-179		
Carbon Disulfide	N.D.	1.	ug/l	104		80-139		
2-Butanone	N.D.	3.	ug/l	143		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	96		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	102		65-125		
2-Hexanone	N.D.	3.	ug/l	118		49-141		
Xylene (Total)	N.D.	0.8	ug/l	99		84-120		
Batch number: Y033291AB	Sample number(s): 4169625-4169626,4169629-4169633							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		77-127		
Chloromethane	N.D.	1.	ug/l	74		69-136		
Vinyl Chloride	N.D.	1.	ug/l	82		71-129		
Bromomethane	N.D.	1.	ug/l	59		46-138		
Chloroethane	N.D.	1.	ug/l	64		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	102		79-130		
Methylene Chloride	N.D.	2.	ug/l	100		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97		84-117		
Chloroform	N.D.	0.8	ug/l	101		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	103		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	105		77-130		
Benzene	N.D.	0.5	ug/l	99		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	109		77-132		
Trichloroethene	N.D.	1.	ug/l	98		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	98		80-117		
Bromodichloromethane	N.D.	1.	ug/l	99		83-121		
Toluene	N.D.	0.7	ug/l	95		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	99		82-126		
Dibromochloromethane	N.D.	1.	ug/l	95		78-119		
Chlorobenzene	N.D.	0.8	ug/l	98		85-115		
Ethylbenzene	N.D.	0.8	ug/l	98		82-119		
Styrene	N.D.	1.	ug/l	95		84-117		
Bromoform	N.D.	1.	ug/l	94		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	92		72-119		

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(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acetone	N.D.	6.	ug/l	156		22-179		
Carbon Disulfide	N.D.	1.	ug/l	104		80-139		
2-Butanone	N.D.	3.	ug/l	143		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	96		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	102		65-125		
2-Hexanone	N.D.	3.	ug/l	118		49-141		
Xylene (Total)	N.D.	0.8	ug/l	99		84-120		
Batch number: Y033292AA	Sample number(s): 4169627,4169634							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98	100	77-127	2	30
Chloromethane	N.D.	1.	ug/l	93	94	69-136	1	30
Vinyl Chloride	N.D.	1.	ug/l	96	98	71-129	3	30
Bromomethane	N.D.	1.	ug/l	67	67	46-138	0	30
Chloroethane	N.D.	1.	ug/l	70	72	59-133	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	98	101	79-130	3	30
Methylene Chloride	N.D.	2.	ug/l	98	102	80-128	4	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	97	99	81-124	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	99	102	83-127	3	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95	97	84-117	2	30
Chloroform	N.D.	0.8	ug/l	99	102	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	101	102	83-127	1	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	102	77-130	2	30
Benzene	N.D.	0.5	ug/l	97	99	85-117	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	107	108	77-132	1	30
Trichloroethene	N.D.	1.	ug/l	97	98	87-117	1	30
1,2-Dichloropropane	N.D.	1.	ug/l	96	97	80-117	1	30
Bromodichloromethane	N.D.	1.	ug/l	97	100	83-121	3	30
Toluene	N.D.	0.7	ug/l	94	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	93	95	86-113	2	30
Tetrachloroethene	N.D.	0.8	ug/l	100	101	82-126	1	30
Dibromochloromethane	N.D.	1.	ug/l	94	94	78-119	0	30
Chlorobenzene	N.D.	0.8	ug/l	97	97	85-115	0	30
Ethylbenzene	N.D.	0.8	ug/l	96	98	82-119	2	30
Styrene	N.D.	1.	ug/l	93	96	84-117	3	30
Bromoform	N.D.	1.	ug/l	94	95	63-122	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	89	90	72-119	1	30
Acetone	N.D.	6.	ug/l	125	125	22-179	0	30
Carbon Disulfide	N.D.	1.	ug/l	102	103	80-139	2	30
2-Butanone	N.D.	3.	ug/l	107	108	45-154	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	92	93	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	94	96	78-114	2	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	100	100	65-125	0	30
2-Hexanone	N.D.	3.	ug/l	104	105	49-141	1	30
Xylene (Total)	N.D.	0.8	ug/l	98	100	84-120	1	30
Batch number: Y033292AB	Sample number(s): 4169628							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98	100	77-127	2	30

*- Outside of specification
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(2) The background result was more than four times the spike added.

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:47 AM

Group Number: 875901

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloromethane	N.D.	1.	ug/l	93	94	69-136	1	30
Vinyl Chloride	N.D.	1.	ug/l	96	98	71-129	3	30
Bromomethane	N.D.	1.	ug/l	67	67	46-138	0	30
Chloroethane	N.D.	1.	ug/l	70	72	59-133	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	98	101	79-130	3	30
Methylene Chloride	N.D.	2.	ug/l	98	102	80-128	4	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	97	99	81-124	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	99	102	83-127	3	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95	97	84-117	2	30
Chloroform	N.D.	0.8	ug/l	99	102	86-124	2	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	101	102	83-127	1	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	102	77-130	2	30
Benzene	N.D.	0.5	ug/l	97	99	85-117	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	107	108	77-132	1	30
Trichloroethene	N.D.	1.	ug/l	97	98	87-117	1	30
1,2-Dichloropropane	N.D.	1.	ug/l	96	97	80-117	1	30
Bromodichloromethane	N.D.	1.	ug/l	97	100	83-121	3	30
Toluene	N.D.	0.7	ug/l	94	94	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	93	95	86-113	2	30
Tetrachloroethene	N.D.	0.8	ug/l	100	101	82-126	1	30
Dibromochloromethane	N.D.	1.	ug/l	94	94	78-119	0	30
Chlorobenzene	N.D.	0.8	ug/l	97	97	85-115	0	30
Ethylbenzene	N.D.	0.8	ug/l	96	98	82-119	2	30
Styrene	N.D.	1.	ug/l	93	96	84-117	3	30
Bromoform	N.D.	1.	ug/l	94	95	63-122	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	89	90	72-119	1	30
Acetone	N.D.	6.	ug/l	125	125	22-179	0	30
Carbon Disulfide	N.D.	1.	ug/l	102	103	80-139	2	30
2-Butanone	N.D.	3.	ug/l	107	108	45-154	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	92	93	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	94	96	78-114	2	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	100	100	65-125	0	30
2-Hexanone	N.D.	3.	ug/l	104	105	49-141	1	30
Xylene (Total)	N.D.	0.8	ug/l	98	100	84-120	1	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y033272AA	Sample number(s): 4169635-4169639								
Methyl Tertiary Butyl Ether	111	113	69-134	2	30				
Chloromethane	95	97	70-148	1	30				
Vinyl Chloride	107	113	64-148	5	30				
Bromomethane	70	73	52-140	4	30				

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:47 AM

Group Number: 875901

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloroethane	75	78	63-142	4	30				
1,1-Dichloroethene	126	125	78-146	0	30				
Methylene Chloride	117	117	79-133	0	30				
trans-1,2-Dichloroethene	118	120	82-133	1	30				
1,1-Dichloroethane	121	122	85-135	0	30				
cis-1,2-Dichloroethene	114	115	83-126	1	30				
Chloroform	118	120	82-131	2	30				
1,1,1-Trichloroethane	124	125	82-135	0	30				
Carbon Tetrachloride	127	128	73-144	1	30				
Benzene	117	120	83-128	2	30				
1,2-Dichloroethane	122	124	73-136	2	30				
Trichloroethene	119	119	75-135	0	30				
1,2-Dichloropropane	115	116	81-121	1	30				
Bromodichloromethane	113	114	83-121	1	30				
Toluene	114	116	83-127	2	30				
1,1,2-Trichloroethane	110	111	77-125	1	30				
Tetrachloroethene	121	124	75-143	2	30				
Dibromochloromethane	103	105	73-119	2	30				
Chlorobenzene	116	118	83-120	1	30				
Ethylbenzene	118	119	82-129	2	30				
Styrene	113	115	72-133	2	30				
Bromoform	94	95	64-119	1	30				
1,1,2,2-Tetrachloroethane	106	109	69-121	3	30				
Acetone	92	93	16-147	1	30				
Carbon Disulfide	119	121	77-155	2	30				
2-Butanone	107	108	42-140	1	30				
trans-1,3-Dichloropropene	102	103	75-117	1	30				
cis-1,3-Dichloropropene	106	108	76-117	1	30				
4-Methyl-2-pentanone	113	114	61-126	1	30				
2-Hexanone	114	115	48-133	0	30				
Xylene (Total)	118	121	82-130	2	30				

Batch number: Y033272AB Sample number(s): 4169639

Trichloroethene	119	119	75-135	0	30
Tetrachloroethene	121	124	75-143	2	30

Batch number: Y033281AA Sample number(s): 4169611-4169612,4169640-4169650

Methyl Tertiary Butyl Ether	98	69-134
Chloromethane	76	70-148
Vinyl Chloride	92	64-148
Bromomethane	60	52-140
Chloroethane	65	63-142
1,1-Dichloroethene	111	78-146
Methylene Chloride	101	79-133
trans-1,2-Dichloroethene	104	82-133
1,1-Dichloroethane	105	85-135
cis-1,2-Dichloroethene	104	83-126

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloroform	104		82-131						
1,1,1-Trichloroethane	109		82-135						
Carbon Tetrachloride	114		73-144						
Benzene	102		83-128						
1,2-Dichloroethane	108		73-136						
Trichloroethene	102		75-135						
1,2-Dichloropropane	100		81-121						
Bromodichloromethane	100		83-121						
Toluene	99		83-127						
1,1,2-Trichloroethane	95		77-125						
Tetrachloroethene	110		75-143						
Dibromochloromethane	94		73-119						
Chlorobenzene	101		83-120						
Ethylbenzene	102		82-129						
Styrene	97		72-133						
Bromoform	89		64-119						
1,1,2,2-Tetrachloroethane	89		69-121						
Acetone	81		16-147						
Carbon Disulfide	112		77-155						
2-Butanone	91		42-140						
trans-1,3-Dichloropropene	90		75-117						
cis-1,3-Dichloropropene	95		76-117						
4-Methyl-2-pentanone	97		61-126						
2-Hexanone	98		48-133						
Xylene (Total)	103		82-130						

Batch number: Y033291AA Sample number(s): 4169613-4169624

Methyl Tertiary Butyl Ether	98	99	69-134	1	30
Chloromethane	97	101	70-148	4	30
Vinyl Chloride	97	104	64-148	5	30
Bromomethane	69	71	52-140	3	30
Chloroethane	70	72	63-142	2	30
1,1-Dichloroethene	74*	88	78-146	6	30
Methylene Chloride	102	102	79-133	0	30
trans-1,2-Dichloroethene	102	104	82-133	1	30
1,1-Dichloroethane	89	97	85-135	4	30
cis-1,2-Dichloroethene	(2)	(2)	83-126	7	30
Chloroform	108	108	82-131	1	30
1,1,1-Trichloroethane	(2)	(2)	82-135	10	30
Carbon Tetrachloride	115	116	73-144	1	30
Benzene	103	104	83-128	1	30
1,2-Dichloroethane	114	114	73-136	1	30
Trichloroethene	(2)	(2)	75-135	8	30
1,2-Dichloropropane	100	101	81-121	1	30
Bromodichloromethane	100	99	83-121	1	30
Toluene	99	101	83-127	1	30
1,1,2-Trichloroethane	95	96	77-125	0	30

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrachloroethene	(2)	(2)	75-143	12	30				
Dibromochloromethane	91	90	73-119	1	30				
Chlorobenzene	100	100	83-120	0	30				
Ethylbenzene	101	101	82-129	0	30				
Styrene	96	95	72-133	0	30				
Bromoform	86	83	64-119	4	30				
1,1,2,2-Tetrachloroethane	90	91	69-121	0	30				
Acetone	80	90	16-147	12	30				
Carbon Disulfide	110	111	77-155	1	30				
2-Butanone	93	95	42-140	2	30				
trans-1,3-Dichloropropene	88	88	75-117	0	30				
cis-1,3-Dichloropropene	94	94	76-117	0	30				
4-Methyl-2-pentanone	101	102	61-126	0	30				
2-Hexanone	101	103	48-133	2	30				
Xylene (Total)	102	102	82-130	0	30				
Batch number: Y033291AB	Sample number(s): 4169625-4169626,4169629-4169633								
Methyl Tertiary Butyl Ether	98	99	69-134	1	30				
Chloromethane	97	101	70-148	4	30				
Vinyl Chloride	97	104	64-148	5	30				
Bromomethane	69	71	52-140	3	30				
Chloroethane	70	72	63-142	2	30				
1,1-Dichloroethene	74*	88	78-146	6	30				
Methylene Chloride	102	102	79-133	0	30				
trans-1,2-Dichloroethene	102	104	82-133	1	30				
1,1-Dichloroethane	89	97	85-135	4	30				
cis-1,2-Dichloroethene	(2)	(2)	83-126	7	30				
Chloroform	108	108	82-131	1	30				
1,1,1-Trichloroethane	(2)	(2)	82-135	10	30				
Carbon Tetrachloride	115	116	73-144	1	30				
Benzene	103	104	83-128	1	30				
1,2-Dichloroethane	114	114	73-136	1	30				
Trichloroethene	(2)	(2)	75-135	8	30				
1,2-Dichloropropane	100	101	81-121	1	30				
Bromodichloromethane	100	99	83-121	1	30				
Toluene	99	101	83-127	1	30				
1,1,2-Trichloroethane	95	96	77-125	0	30				
Tetrachloroethene	(2)	(2)	75-143	12	30				
Dibromochloromethane	91	90	73-119	1	30				
Chlorobenzene	100	100	83-120	0	30				
Ethylbenzene	101	101	82-129	0	30				
Styrene	96	95	72-133	0	30				
Bromoform	86	83	64-119	4	30				
1,1,2,2-Tetrachloroethane	90	91	69-121	0	30				
Acetone	80	90	16-147	12	30				
Carbon Disulfide	110	111	77-155	1	30				
2-Butanone	93	95	42-140	2	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
trans-1,3-Dichloropropene	88	88	75-117	0	30				
cis-1,3-Dichloropropene	94	94	76-117	0	30				
4-Methyl-2-pentanone	101	102	61-126	0	30				
2-Hexanone	101	103	48-133	2	30				
Xylene (Total)	102	102	82-130	0	30				

Batch number: Y033292AA Sample number(s): 4169627,4169634

Methyl Tertiary Butyl Ether	98	69-134
Chloromethane	102	70-148
Vinyl Chloride	110	64-148
Bromomethane	71	52-140
Chloroethane	77	63-142
1,1-Dichloroethene	110	78-146
Methylene Chloride	102	79-133
trans-1,2-Dichloroethene	105	82-133
1,1-Dichloroethane	108	85-135
cis-1,2-Dichloroethene	96	83-126
Chloroform	105	82-131
1,1,1-Trichloroethane	111	82-135
Carbon Tetrachloride	114	73-144
Benzene	103	83-128
1,2-Dichloroethane	110	73-136
Trichloroethene	(2)	75-135
1,2-Dichloropropane	101	81-121
Bromodichloromethane	102	83-121
Toluene	99	83-127
1,1,2-Trichloroethane	94	77-125
Tetrachloroethene	104	75-143
Dibromochloromethane	89	73-119
Chlorobenzene	99	83-120
Ethylbenzene	100	82-129
Styrene	96	72-133
Bromoform	85	64-119
1,1,2,2-Tetrachloroethane	91	69-121
Acetone	80	16-147
Carbon Disulfide	111	77-155
2-Butanone	92	42-140
trans-1,3-Dichloropropene	89	75-117
cis-1,3-Dichloropropene	95	76-117
4-Methyl-2-pentanone	100	61-126
2-Hexanone	98	48-133
Xylene (Total)	102	82-130

Batch number: Y033292AB Sample number(s): 4169628

Methyl Tertiary Butyl Ether	98	69-134
Chloromethane	102	70-148
Vinyl Chloride	110	64-148

*- Outside of specification
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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 10:47 AM

Group Number: 875901

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Bromomethane	71		52-140						
Chloroethane	77		63-142						
1,1-Dichloroethene	110		78-146						
Methylene Chloride	102		79-133						
trans-1,2-Dichloroethene	105		82-133						
1,1-Dichloroethane	108		85-135						
cis-1,2-Dichloroethene	96		83-126						
Chloroform	105		82-131						
1,1,1-Trichloroethane	111		82-135						
Carbon Tetrachloride	114		73-144						
Benzene	103		83-128						
1,2-Dichloroethane	110		73-136						
Trichloroethene	(2)		75-135						
1,2-Dichloropropane	101		81-121						
Bromodichloromethane	102		83-121						
Toluene	99		83-127						
1,1,2-Trichloroethane	94		77-125						
Tetrachloroethene	104		75-143						
Dibromochloromethane	89		73-119						
Chlorobenzene	99		83-120						
Ethylbenzene	100		82-129						
Styrene	96		72-133						
Bromoform	85		64-119						
1,1,2,2-Tetrachloroethane	91		69-121						
Acetone	80		16-147						
Carbon Disulfide	111		77-155						
2-Butanone	92		42-140						
trans-1,3-Dichloropropene	89		75-117						
cis-1,3-Dichloropropene	95		76-117						
4-Methyl-2-pentanone	100		61-126						
2-Hexanone	98		48-133						
Xylene (Total)	102		82-130						

Surrogate Quality Control

Analysis Name: TCL by 8260 (water)
Batch number: Y033272AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169635	97	92	94	93
4169636	96	91	94	93
4169637	97	92	94	93
4169638	97	92	94	92
4169639	96	90	93	92

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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2425 New Holland Pike
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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Surrogate Quality Control

Blank	96	92	94	93
LCS	95	92	94	94
MS	96	96	94	94
MSD	96	94	94	94
Limits:	81-120	82-112	85-112	83-113

Analysis Name: 8260 Master Scan (water)
Batch number: Y033272AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	95	90	94	93
LCS	95	92	94	94
MS	96	96	94	94
MSD	96	94	94	94
Limits:	81-120	82-112	85-112	83-113

Analysis Name: TCL by 8260 (water)
Batch number: Y033281AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169611	97	91	93	93
4169612	98	93	93	92
4169640	96	91	93	91
4169641	96	91	93	94
4169642	98	92	93	93
4169643	96	94	92	92
4169644	97	92	93	93
4169645	93	94	94	92
4169646	96	91	92	92
4169647	97	93	93	93
4169648	98	93	94	93
4169649	98	94	93	93
4169650	98	93	93	92
Blank	95	90	94	93
LCS	96	92	94	94
LCSD	96	92	94	93
MS	97	94	94	95
Limits:	81-120	82-112	85-112	83-113

Analysis Name: TCL by 8260 (water)
Batch number: Y033291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169613	98	93	94	94
4169614	97	92	93	93
4169615	97	92	94	93
4169616	96	92	93	94
4169617	97	92	93	94

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Surrogate Quality Control

4169618	98	93	94	93
4169619	99	94	94	94
4169620	92	91	94	93
4169621	95	93	93	93
4169622	97	92	93	93
4169623	98	92	94	94
4169624	98	91	94	94
Blank	96	92	94	93
LCS	97	91	94	95
MS	96	92	94	95
MSD	95	91	94	95
Limits:	81-120	82-112	85-112	83-113

Analysis Name: TCL by 8260 (water)
Batch number: Y033291AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169625	98	92	94	94
4169626	97	94	94	94
4169629	97	91	94	92
4169630	92	90	94	94
4169631	98	93	93	93
4169632	99	93	94	94
4169633	98	94	94	95
Blank	98	93	94	94
LCS	97	91	94	95
MS	96	92	94	95
MSD	95	91	94	95
Limits:	81-120	82-112	85-112	83-113

Analysis Name: TCL by 8260 (water)
Batch number: Y033292AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169627	98	92	94	93
4169634	98	91	93	94
Blank	98	93	94	94
LCS	97	94	94	95
LCSD	96	92	94	96
MS	98	95	93	94
Limits:	81-120	82-112	85-112	83-113

Analysis Name: TCL by 8260 (water)
Batch number: Y033292AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169628	98	94	92	94
Blank	98	94	92	94

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875901
Reported: 12/01/03 at 10:47 AM

Surrogate Quality Control

LCS	97	94	94	95
LCSD	96	92	94	96
MS	98	95	93	94
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Acct 10160 # ~~416461-50~~ # 875901 875942 11/24/03

DAIMLERCHRYSLER — Chain-of-Custody

3863 B

Lancaster Laboratories	Project Name: DCX - Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, OH.	Address: 4135 Technology Pkwy	
Lancaster, PA 17601	Site Code:	Sheboygan, WI 43083	
Phone Number: (717) 656-2300	RFA Number: ET 03076	Consultant PM Bob Stenson	
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 920-451-2407	Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(4) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

EPA Region 5 Records Ctr. 349436

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs	Remarks
MWET3D-111803	11/18/03	1435	G	GW	8	X	
MW10S-111803-02	11/18/03	910			3	X	
MWC003-111903	11/19/03	1015			3	X	
MWC003-111903-02		1020			3	X	
MW11S-111903		1000			3	X	
MWB003-111903		1010			3	X	
PZ9D-111903		1130			3	X	
MW B005-111903		1130			3	X	
MW A004-111903		1130			3	X	
MW B006-111903		1240			3	X	

Sampler(s) DD/DH/KZ/BE	Cooler ID # C04759 C07656		Samples Relinquished under Airbill No. 842249102467			Temperature (corrected) 4.8°C
	Relinquished by: D. Decenber	Date: 11/20/03	Time: 1700	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 11-21-03	Time: 0940	Custody Seal Intact? (Yes) No

DaimlerChrysler 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. 3
Created: July 9, 1999

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 875942. Samples arrived at the laboratory on Friday, November 21, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
MWET3D-111803 Matrix Spike Grab Groundwater Sample	4169983
MWET3D-111803 Matrix Spike Dup Grab Groundwater	4169984

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169983

MWET3D-111803 Matrix Spike Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 11:00
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	20.	0.5	ug/l	1
05385	Chloromethane	74-87-3	19.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	27.	1.	ug/l	1
05387	Bromomethane	74-83-9	14.	1.	ug/l	1
05388	Chloroethane	75-00-3	16.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	49.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	23.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	43.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	120.	0.8	ug/l	1
05396	Chloroform	67-66-3	22.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	350.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	23.	1.	ug/l	1
05401	Benzene	71-43-2	21.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	23.	1.	ug/l	1
05403	Trichloroethene	79-01-6	210.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	20.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	20.	1.	ug/l	1
05407	Toluene	108-88-3	20.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	580.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	20.	0.8	ug/l	1
05418	Styrene	100-42-5	19.	1.	ug/l	1
05419	Bromoform	75-25-2	17.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	18.	1.	ug/l	1
06302	Acetone	67-64-1	120.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	22.	1.	ug/l	1
06305	2-Butanone	78-93-3	170.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	100.	3.	ug/l	1
06309	2-Hexanone	591-78-6	100.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169983

MWET3D-111803 Matrix Spike Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 11:00
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	61.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 17:17	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 17:17	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169984

MWET3D-111803 Matrix Spike Dup Grab Groundwater
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 11:00
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	20.	0.5	ug/l	1
05385	Chloromethane	74-87-3	20.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	28.	1.	ug/l	1
05387	Bromomethane	74-83-9	14.	1.	ug/l	1
05388	Chloroethane	75-00-3	16.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	52.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	23.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	45.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	130.	0.8	ug/l	1
05396	Chloroform	67-66-3	22.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	390.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	23.	1.	ug/l	1
05401	Benzene	71-43-2	21.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	23.	1.	ug/l	1
05403	Trichloroethene	79-01-6	220.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	20.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	20.	1.	ug/l	1
05407	Toluene	108-88-3	20.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	650.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	20.	0.8	ug/l	1
05418	Styrene	100-42-5	19.	1.	ug/l	1
05419	Bromoform	75-25-2	17.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	18.	1.	ug/l	1
06302	Acetone	67-64-1	130.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	22.	1.	ug/l	1
06305	2-Butanone	78-93-3	180.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	100.	3.	ug/l	1
06309	2-Hexanone	591-78-6	100.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169984

MWET3D-111803 Matrix Spike Dup Grab Groundwater
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 11:00
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	61.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 17:40	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 17:40	Trent S Sprenkle	n.a.

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/01/03 at 11:00 AM

Group Number: 875942

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y033291AA	Sample number(s): 4169983-4169984							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		77-127		
Chloromethane	N.D.	1.	ug/l	74		69-136		
Vinyl Chloride	N.D.	1.	ug/l	82		71-129		
Bromomethane	N.D.	1.	ug/l	59		46-138		
Chloroethane	N.D.	1.	ug/l	64		59-133		
1,1-Dichloroethene	N.D.	0.8	ug/l	102		79-130		
Methylene Chloride	N.D.	2.	ug/l	100		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	101		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	97		84-117		
Chloroform	N.D.	0.8	ug/l	101		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	103		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	105		77-130		
Benzene	N.D.	0.5	ug/l	99		85-117		
1,2-Dichloroethane	N.D.	1.	ug/l	109		77-132		
Trichloroethene	N.D.	1.	ug/l	98		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	98		80-117		
Bromodichloromethane	N.D.	1.	ug/l	99		83-121		
Toluene	N.D.	0.7	ug/l	95		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	99		82-126		
Dibromochloromethane	N.D.	1.	ug/l	95		78-119		
Chlorobenzene	N.D.	0.8	ug/l	98		85-115		
Ethylbenzene	N.D.	0.8	ug/l	98		82-119		
Styrene	N.D.	1.	ug/l	95		84-117		
Bromoform	N.D.	1.	ug/l	94		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	92		72-119		
Acetone	N.D.	6.	ug/l	156		22-179		
Carbon Disulfide	N.D.	1.	ug/l	104		80-139		
2-Butanone	N.D.	3.	ug/l	143		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	96		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	102		65-125		
2-Hexanone	N.D.	3.	ug/l	118		49-141		
Xylene (Total)	N.D.	0.8	ug/l	99		84-120		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y033291AA	Sample number(s): 4169983-4169984								
Methyl Tertiary Butyl Ether	98	99	69-134	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875942
Reported: 12/01/03 at 11:00 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloromethane	97	101	70-148	4	30				
Vinyl Chloride	97	104	64-148	5	30				
Bromomethane	69	71	52-140	3	30				
Chloroethane	70	72	63-142	2	30				
1,1-Dichloroethene	74*	88	78-146	6	30				
Methylene Chloride	102	102	79-133	0	30				
trans-1,2-Dichloroethene	102	104	82-133	1	30				
1,1-Dichloroethane	89	97	85-135	4	30				
cis-1,2-Dichloroethene	(2)	(2)	83-126	7	30				
Chloroform	108	108	82-131	1	30				
1,1,1-Trichloroethane	(2)	(2)	82-135	10	30				
Carbon Tetrachloride	115	116	73-144	1	30				
Benzene	103	104	83-128	1	30				
1,2-Dichloroethane	114	114	73-136	1	30				
Trichloroethene	(2)	(2)	75-135	8	30				
1,2-Dichloropropane	100	101	81-121	1	30				
Bromodichloromethane	100	99	83-121	1	30				
Toluene	99	101	83-127	1	30				
1,1,2-Trichloroethane	95	96	77-125	0	30				
Tetrachloroethene	(2)	(2)	75-143	12	30				
Dibromochloromethane	91	90	73-119	1	30				
Chlorobenzene	100	100	83-120	0	30				
Ethylbenzene	101	101	82-129	0	30				
Styrene	96	95	72-133	0	30				
Bromoform	86	83	64-119	4	30				
1,1,2,2-Tetrachloroethane	90	91	69-121	0	30				
Acetone	80	90	16-147	12	30				
Carbon Disulfide	110	111	77-155	1	30				
2-Butanone	93	95	42-140	2	30				
trans-1,3-Dichloropropene	88	88	75-117	0	30				
cis-1,3-Dichloropropene	94	94	76-117	0	30				
4-Methyl-2-pentanone	101	102	61-126	0	30				
2-Hexanone	101	103	48-133	2	30				
Xylene (Total)	102	102	82-130	0	30				

Surrogate Quality Control

Analysis Name: TCL by 8260 (water)
Batch number: Y033291AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4169983	96	92	94	95
4169984	95	91	94	95
Blank	96	92	94	93

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 875942
Reported: 12/01/03 at 11:00 AM

Surrogate Quality Control

LCS	97	91	94	95
MS	96	92	94	95
MSD	95	91	94	95
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

MEMBER ACIL
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PO Box 12425
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717-656-2300 Fax: 717-656-2681

ITCT 10100 # 416941-50 # 475901

DAIMLERCHRYSLER — Chain-of-Custody

3860 B

Lancaster Laboratories	Project Name: DSX - Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, OH	Address: 4135 Technology Pkwy	
Lancaster, PA 17601	Site Code:	Sheboygan, WI. 43083	
Phone Number: (717) 656-2300	RFA Number: ET 03076	Consultant PM Rob Stenson	
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 920-451-2407 Fax: 920-458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14 calendar days)

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

EPA Region 5 Records Ctr.
349437

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC									Remarks
PZ10I-111803	11/18/03	907	G	GW	3	X									
MW10S-111803		910			3	X									
PZ12D-111803		1520			3	X									
PZ12I-111803		1500			3	X									
MWA006-111803		1500			3	X									
PZ29I-111803		1025			3	X									
PZ29D-111803		1125			3	X									
MW29S-111803		1020			3	X									
MWET3S-111803		1145			3	X									
MWET3I-111803		1205			2	X									

Sampler(s) DD/DH/KZ/BE	Cooler ID # C04759-C07656			Samples Relinquished under Airbill No. 842249102467			Temperature (corrected) 4.2°C
	Relinquished by: D. December	Date: 11/20/03	Time: 1700	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 11-21-03	Time: 0940	Custody Seal Intact? (Yes) No

DaimlerChrysler 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. 3
Created: July 9, 1999

ACCT 10160 # 4164611-50 # 875401

DAIMLERCHRYSLER — Chain-of-Custody

3863 B

Lancaster Laboratories	Project Name: DCX-Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, OH.	Address: 4135 Technology Pkwy	
Lancaster, PA 17601	Site Code:	Sheboygan, WI. 43083	
Phone Number: (717) 656-2300	RFA Number: ET 03076	Consultant PM: Rob Stenson	
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 920-451-2407	Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(4) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
~~ET~~ MWET3D-111803	11/18/03	1435	G	GW	8	X									
MW10S-111803-02	11/18/03	910	↓	↓	3	X									
MWC003-111903	11/19/03	1015	↓	↓	3	X									
MWC003-111903-02	↓	1020	↓	↓	3	X									
MW11S-111903	↓	1000	↓	↓	3	X									
MWB003-111903	↓	1010	↓	↓	3	X									
PZ9D-111903	↓	1130	↓	↓	3	X									
MW B005-111903	↓	1130	↓	↓	3	X									
MW A004-111903	↓	1130	↓	↓	3	X									
MW B006-111903	↓	1240	↓	↓	3	X									

Sampler(s): DP/DH/KZ/BE

Cooler ID #: C04759 C07656

Samples Relinquished under Airbill No. 842249102467

Temperature (corrected): 4.8°C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
D. Decenber	11/20/03	1700				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 11-21-03	Time: 0940	Custody Seal Intact? Yes No

Is RFA sampling complete? Yes No

DaimlerChrysler 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. 3
Created: July 9, 1999

Acct 10160 # 4169611-50 # 875901

DAIMLERCHRYSLER

Chain-of-Custody

3874 **B**

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: DLX - Dayton Thermal Site Location: Dayton, OH. Site Code: RFA Number: ET 03076 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology PKWY Sheboygan, WI. 43083 Consultant PM Rob Stenson Phone: 920-457-2407 Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil SW - Surface Water
GW - Groundwater A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC								Remarks
PZ022I-111903	11/19/03	1435	G	GW	3	X								
PZ022I-111903-02		1435			3	X								
MW ET2S-111903		1155			3	X								
MW ET2I-111903		1230			3	X								
MW ET2D-111903		1325			3	X								
MW ET1S-111903		1540			3	X								
MW ET1I-111903		1620			3	X								
MW ET1D-111903		1645			3	X								
MW8S-111903		845			3	X								
PZ8I-111903		847			3	X								

Sampler(s) DD/DH/KZ/BE

Cooler ID # C04-759-C07656

Samples Relinquished under Airbill No. 842249102467 Temperature (corrected) 4.2 & 4.0

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
D. December	11/20/03	1700				Yes No

Is RFA sampling complete? Yes No

Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			Kathy Binkley	11-21-03	0940	Yes No

DaimlerChrysler 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 3
Created: July 9, 1999

TECH 10140 # 4169611-50 # 875901

DAIMLERCHRYSLER

Chain-of-Custody

3873 B

Lancaster Laboratories	Project Name: Dix-Dayton Thermal	Consultant: Earth Tech
2425 New Holland Pike	Site Location: Dayton, OH	Address: 4135 Technology PKWY
Lancaster, PA 17601	Site Code:	Sheboygan, WI 43083
Phone Number: (717) 656-2300	RFA Number: ET03076	Consultant PM: Rob Stenson
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 920-451-2407 Fax: 920-458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil SW - Surface Water
GW - Groundwater A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC									Remarks
PZ8D-111903	11/19/03	855	G	GW	3	X									
PZ16D-111903	↓	1250	↓	↓	↓	X									
MWA002-111903	↓	1315	↓	↓	↓	X									
MWC002-111903	↓	1600	↓	↓	↓	X									
MWA005-111903	↓	1615	↓	↓	↓	X									
PZ13I-111903	↓	1600	↓	↓	↓	X									
PZ021I-112003	11/20/03	1030	G	GW	3	X									
MWB004-112003	11/20/03	1105	G	GW	3	X									
MWB004-112003-02	11/20/03	1110	G	GW	3	X									

Sampler(s) DD/DH/BE/KZ	Cooler ID # C04759 - C07656			Samples Relinquished under Airbill No. 842249102467			Temperature (corrected) 4.8 & 4.0
	Relinquished by: P. Desember	Date: 11/20/03	Time: 1700	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 11-21-03	Time: 0940	Custody Seal Intact? Yes No

DaimlerChrysler 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. 3
Created: July 9, 1999

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169624

MWC003-111903-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

02FD3 SDG#: DCN91-14FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169624

MWC003-111903-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

02FD3 SDG#: DCN91-14FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 19:35	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 19:35	Trent S Sprenkle	n.a.

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169625

MW11S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

11S19 SDG#: DCN91-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	ug/l	2
05385	Chloromethane	74-87-3	N.D.	2.	ug/l	2
05386	Vinyl Chloride	75-01-4	N.D.	2.	ug/l	2
05387	Bromomethane	74-83-9	N.D.	2.	ug/l	2
05388	Chloroethane	75-00-3	N.D.	2.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	2. J	2.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.	4.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	3. J	2.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	5. J	2.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	110.	2.	ug/l	2
05396	Chloroform	67-66-3	N.D.	2.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	28.	2.	ug/l	2
05399	Carbon Tetrachloride	56-23-5	N.D.	2.	ug/l	2
05401	Benzene	71-43-2	N.D.	1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	2
05403	Trichloroethene	79-01-6	1,400.	20.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.	2.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.	2.	ug/l	2
05407	Toluene	108-88-3	N.D.	1.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.	2.	ug/l	2
05409	Tetrachloroethene	127-18-4	N.D.	2.	ug/l	2
05411	Dibromochloromethane	124-48-1	N.D.	2.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.	2.	ug/l	2
05415	Ethylbenzene	100-41-4	N.D.	2.	ug/l	2
05418	Styrene	100-42-5	N.D.	2.	ug/l	2
05419	Bromoform	75-25-2	N.D.	2.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.	ug/l	2
06302	Acetone	67-64-1	N.D.	12.	ug/l	2
06303	Carbon Disulfide	75-15-0	N.D.	2.	ug/l	2
06305	2-Butanone	78-93-3	N.D.	6.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.	ug/l	2
06308	4-Methyl-2-pentanone	108-10-1	N.D.	6.	ug/l	2
06309	2-Hexanone	591-78-6	N.D.	6.	ug/l	2

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Lancaster Laboratories Sample No. WW 4169625

MW11S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

11S19 SDG#: DCN91-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	2.	ug/l	2

Due to the level of trichloroethene, the reporting limits for all GC/MS volatile compounds were raised.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 22:44	Elizabeth M Taylor	2
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 23:07	Elizabeth M Taylor	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 22:44	Elizabeth M Taylor	n.a.

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Lancaster Laboratories Sample No. WW 4169626

MWB003-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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00311 SDG#: DCN91-16

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		3.	ug/l	5
05385	Chloromethane	74-87-3	N.D.		5.	ug/l	5
05386	Vinyl Chloride	75-01-4	16.	J	5.	ug/l	5
05387	Bromomethane	74-83-9	N.D.		5.	ug/l	5
05388	Chloroethane	75-00-3	N.D.		5.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	76.		4.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.		10.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	59.		4.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	65.		5.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	1,900.		40.	ug/l	50
05396	Chloroform	67-66-3	13.	J	4.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	320.		4.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.		5.	ug/l	5
05401	Benzene	71-43-2	3.	J	3.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	65.		5.	ug/l	5
05403	Trichloroethene	79-01-6	4,800.		50.	ug/l	50
05404	1,2-Dichloropropane	78-87-5	N.D.		5.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.		5.	ug/l	5
05407	Toluene	108-88-3	N.D.		4.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.		4.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.		4.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.		5.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.		4.	ug/l	5
05415	Ethylbenzene	100-41-4	N.D.		4.	ug/l	5
05418	Styrene	100-42-5	N.D.		5.	ug/l	5
05419	Bromoform	75-25-2	N.D.		5.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		5.	ug/l	5
06302	Acetone	67-64-1	N.D.		30.	ug/l	5
06303	Carbon Disulfide	75-15-0	N.D.		5.	ug/l	5
06305	2-Butanone	78-93-3	N.D.		15.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		5.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		5.	ug/l	5
06308	4-Methyl-2-pentanone	108-10-1	N.D.		15.	ug/l	5
06309	2-Hexanone	591-78-6	N.D.		15.	ug/l	5

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169626

MWB003-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

00311 SDG#: DCN91-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	4.	ug/l	5

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 23:30	Elizabeth M Taylor	5
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 23:53	Elizabeth M Taylor	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 23:30	Elizabeth M Taylor	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169627

PZ9D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

9D11- SDG#: DCN91-17

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	2.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	0.9	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	13.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	33.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	810.		10.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169627

PZ9D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

9D11- SDG#: DCN91-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Matrix QC was performed on this sample for the GCMS volatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

Since this sample was used for matrix QC, the dilution for trichloroethene was performed from a vial with headspace.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 00:16	Elizabeth M Taylor	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 08:47	Elizabeth M Taylor	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 00:16	Elizabeth M Taylor	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169628

MWB005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

0051- SDG#: DCN91-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169628

MWB005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

0051- SDG#: DCN91-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 10:36	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 10:36	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169629

MWA004-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

004-- SDG#: DCN91-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		5.	ug/l	10
05385	Chloromethane	74-87-3	N.D.		10.	ug/l	10
05386	Vinyl Chloride	75-01-4	420.		10.	ug/l	10
05387	Bromomethane	74-83-9	N.D.		10.	ug/l	10
05388	Chloroethane	75-00-3	N.D.		10.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	24.	J	8.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.		20.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	39.	J	8.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	59.		10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	2,700.		8.	ug/l	10
05396	Chloroform	67-66-3	N.D.		8.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	45.	J	8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		10.	ug/l	10
05401	Benzene	71-43-2	N.D.		5.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.		10.	ug/l	10
05403	Trichloroethene	79-01-6	20,000.		100.	ug/l	100
05404	1,2-Dichloropropane	78-87-5	N.D.		10.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.		10.	ug/l	10
05407	Toluene	108-88-3	N.D.		7.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.		8.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.		8.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.		10.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.		8.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.		8.	ug/l	10
05418	Styrene	100-42-5	N.D.		10.	ug/l	10
05419	Bromoform	75-25-2	N.D.		10.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10.	ug/l	10
06302	Acetone	67-64-1	N.D.		60.	ug/l	10
06303	Carbon Disulfide	75-15-0	N.D.		10.	ug/l	10
06305	2-Butanone	78-93-3	N.D.		30.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		10.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		10.	ug/l	10
06308	4-Methyl-2-pentanone	108-10-1	N.D.		30.	ug/l	10
06309	2-Hexanone	591-78-6	N.D.		30.	ug/l	10

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169629

MWA004-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

004-- SDG#: DCN91-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	8.	ug/l	10

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 01:25	Elizabeth M Taylor	10
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 01:48	Elizabeth M Taylor	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 01:25	Elizabeth M Taylor	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169630

MWB006-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:40 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

006-- SDG#: DCN91-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	17.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	120.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	15.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	290.	10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	180.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	1,000.	8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	2. J	1.	ug/l	1
05403	Trichloroethene	79-01-6	850.	10.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169630

MWB006-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:40 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

006-- SDG#: DCN91-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 02:11	Elizabeth M Taylor	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 02:34	Elizabeth M Taylor	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 02:11	Elizabeth M Taylor	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169631

PZ022I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

22I0- SDG#: DCN91-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	11.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169631

PZ022I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

22I0- SDG#: DCN91-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 02:57	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 02:57	Elizabeth M Taylor	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169632

PZ022I-111903-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

22I-- SDG#: DCN91-22FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	11.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169632

PZ022I-111903-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

22I-- SDG#: DCN91-22FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 03:20	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 03:20	Elizabeth M Taylor	n.a.

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Lancaster Laboratories Sample No. WW 4169633

MWET2S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:55 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET2S- SDG#: DCN91-23

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	25.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	3.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	27.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	180.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	130.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	33.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	46.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169633

MWET2S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 11:55 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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ET2S- SDG#: DCN91-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 03:43	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 03:43	Elizabeth M Taylor	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169634

MWET2I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET2I- SDG#: DCN91-24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	3.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3.	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	6.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	17.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	63.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	3.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	240.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4169634

MWET2I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET2I- SDG#: DCN91-24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/26/2003 04:05	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2003 04:05	Elizabeth M Taylor	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169635

MWET2D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

2DETM SDG#: DCN91-25

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	1.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	7.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	2.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	20.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	33.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	75.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	62.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169635

MWET2D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

2DETM SDG#: DCN91-25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 06:40	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 06:40	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169636

MWET1S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 15:40 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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ET1S- SDG#: DCN91-26

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3.	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	13.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	96.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	19.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	29.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	4.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4169636

MWET1S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 15:40 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

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PO Box 537933
Livonia MI 48153-7933

ET1S- SDG#: DCN91-26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 07:03	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 07:03	Trent S Sprenkle	n.a.

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Lancaster Laboratories Sample No. WW 4169637

MWET1I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

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ET1I- SDG#: DCN91-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	10.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3. J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	17.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	14.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	8.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	10.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169637

MWET1I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

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PO Box 537933
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ET1I- SDG#: DCN91-27

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 07:26	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 07:26	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169638

MWET1D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET1D- SDG#: DCN91-28

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	1.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3.	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	6.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	15.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	59.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	9.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	68.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169638

MWET1D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET1D- SDG#: DCN91-28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 07:49	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 07:49	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169639

MW8S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8S111 SDG#: DCN91-29

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	6.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	160.		0.8	ug/l	1
05396	Chloroform	67-66-3	1.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	5.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	330.		3.	ug/l	2.5
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	300.		2.	ug/l	2.5
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	6.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169639

MW8S-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8S111 SDG#: DCN91-29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 08:12	Trent S Sprenkle	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 18:55	Elizabeth M Taylor	2.5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 08:12	Trent S Sprenkle	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/24/2003 18:55	Elizabeth M Taylor	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169640

PZ8I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:47 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8IXXX SDG#: DCN91-30

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		5.	ug/l	10
05385	Chloromethane	74-87-3	N.D.		10.	ug/l	10
05386	Vinyl Chloride	75-01-4	68.		10.	ug/l	10
05387	Bromomethane	74-83-9	N.D.		10.	ug/l	10
05388	Chloroethane	75-00-3	N.D.		10.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	8.	J	8.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.		20.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	9.	J	8.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	43.	J	10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	280.		8.	ug/l	10
05396	Chloroform	67-66-3	N.D.		8.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	76.		8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		10.	ug/l	10
05401	Benzene	71-43-2	N.D.		5.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.		10.	ug/l	10
05403	Trichloroethene	79-01-6	7,700.		100.	ug/l	100
05404	1,2-Dichloropropane	78-87-5	N.D.		10.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.		10.	ug/l	10
05407	Toluene	108-88-3	N.D.		7.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.		8.	ug/l	10
05409	Tetrachloroethene	127-18-4	9,900.		80.	ug/l	100
05411	Dibromochloromethane	124-48-1	N.D.		10.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.		8.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.		8.	ug/l	10
05418	Styrene	100-42-5	N.D.		10.	ug/l	10
05419	Bromoform	75-25-2	N.D.		10.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10.	ug/l	10
06302	Acetone	67-64-1	N.D.		60.	ug/l	10
06303	Carbon Disulfide	75-15-0	N.D.		10.	ug/l	10
06305	2-Butanone	78-93-3	N.D.		30.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		10.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		10.	ug/l	10
06308	4-Methyl-2-pentanone	108-10-1	N.D.		30.	ug/l	10
06309	2-Hexanone	591-78-6	N.D.		30.	ug/l	10

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169640

PZ8I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:47 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8IXXX SDG#: DCN91-30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	8.	ug/l	10

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 21:18	Elizabeth M Taylor	10
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 21:41	Elizabeth M Taylor	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 21:18	Elizabeth M Taylor	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169641

PZ8D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:55 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8D119 SDG#: DCN91-31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	1. J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169641

PZ8D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 08:55 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

8D119 SDG#: DCN91-31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 18:31	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 18:31	Elizabeth M Taylor	n.a.

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169642

PZ16D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:50 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

16DPZ SDG#: DCN91-32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	11.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2. J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	6.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	13.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	170.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169642

PZ16D-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 12:50 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

16DPZ SDG#: DCN91-32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 22:27	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 22:27	Elizabeth M Taylor	n.a.

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717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169643

MWA002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:15 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

002A- SDG#: DCN91-33

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1.	ug/l	2
05385	Chloromethane	74-87-3	N.D.		2.	ug/l	2
05386	Vinyl Chloride	75-01-4	6.	J	2.	ug/l	2
05387	Bromomethane	74-83-9	N.D.		2.	ug/l	2
05388	Chloroethane	75-00-3	N.D.		2.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	3.	J	2.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.		4.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	3.	J	2.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	17.		2.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	300.		2.	ug/l	2
05396	Chloroform	67-66-3	N.D.		2.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	100.		2.	ug/l	2
05399	Carbon Tetrachloride	56-23-5	N.D.		2.	ug/l	2
05401	Benzene	71-43-2	N.D.		1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.		2.	ug/l	2
05403	Trichloroethene	79-01-6	48.		2.	ug/l	2
05404	1,2-Dichloropropane	78-87-5	N.D.		2.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.		2.	ug/l	2
05407	Toluene	108-88-3	N.D.		1.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.		2.	ug/l	2
05409	Tetrachloroethene	127-18-4	870.		16.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.		2.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.		2.	ug/l	2
05415	Ethylbenzene	100-41-4	N.D.		2.	ug/l	2
05418	Styrene	100-42-5	N.D.		2.	ug/l	2
05419	Bromoform	75-25-2	N.D.		2.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.	ug/l	2
06302	Acetone	67-64-1	N.D.		12.	ug/l	2
06303	Carbon Disulfide	75-15-0	N.D.		2.	ug/l	2
06305	2-Butanone	78-93-3	N.D.		6.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.	ug/l	2
06308	4-Methyl-2-pentanone	108-10-1	N.D.		6.	ug/l	2
06309	2-Hexanone	591-78-6	N.D.		6.	ug/l	2

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169643

MWA002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 13:15 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

002A- SDG#: DCN91-33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	2.	ug/l	2

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the level of tetrachloroethene, the reporting limits for all GC/MS volatile compounds were raised.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 22:50	Elizabeth M Taylor	2
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 23:13	Elizabeth M Taylor	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 22:50	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169644

MWC002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

002C- SDG#: DCN91-34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169644

MWC002-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

002C- SDG#: DCN91-34

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 23:36	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 23:36	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169645

MWA005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:15 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

005A- SDG#: DCN91-35

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1.	ug/l	2
05385	Chloromethane	74-87-3	N.D.		2.	ug/l	2
05386	Vinyl Chloride	75-01-4	N.D.		2.	ug/l	2
05387	Bromomethane	74-83-9	N.D.		2.	ug/l	2
05388	Chloroethane	75-00-3	N.D.		2.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	340.		2.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.		4.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	6.	J	2.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	120.		2.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	160.		2.	ug/l	2
05396	Chloroform	67-66-3	2.	J	2.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	1,700.		16.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.		2.	ug/l	2
05401	Benzene	71-43-2	N.D.		1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	5.	J	2.	ug/l	2
05403	Trichloroethene	79-01-6	1,700.		20.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.		2.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.		2.	ug/l	2
05407	Toluene	108-88-3	N.D.		1.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.		2.	ug/l	2
05409	Tetrachloroethene	127-18-4	20.		2.	ug/l	2
05411	Dibromochloromethane	124-48-1	N.D.		2.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.		2.	ug/l	2
05415	Ethylbenzene	100-41-4	N.D.		2.	ug/l	2
05418	Styrene	100-42-5	N.D.		2.	ug/l	2
05419	Bromoform	75-25-2	N.D.		2.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.	ug/l	2
06302	Acetone	67-64-1	N.D.		12.	ug/l	2
06303	Carbon Disulfide	75-15-0	N.D.		2.	ug/l	2
06305	2-Butanone	78-93-3	N.D.		6.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.	ug/l	2
06308	4-Methyl-2-pentanone	108-10-1	N.D.		6.	ug/l	2
06309	2-Hexanone	591-78-6	N.D.		6.	ug/l	2

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169645

MWA005-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:15 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

005A- SDG#: DCN91-35

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	2.	ug/l	2

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/24/2003 23:59	Elizabeth M Taylor	2
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 00:22	Elizabeth M Taylor	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2003 23:59	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169646

PZ13I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

13IPZ SDG#: DCN91-36

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1.	ug/l	2
05385	Chloromethane	74-87-3	N.D.		2.	ug/l	2
05386	Vinyl Chloride	75-01-4	N.D.		2.	ug/l	2
05387	Bromomethane	74-83-9	N.D.		2.	ug/l	2
05388	Chloroethane	75-00-3	N.D.		2.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	21.		2.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.		4.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	2.	J	2.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	16.		2.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	63.		2.	ug/l	2
05396	Chloroform	67-66-3	N.D.		2.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	320.		2.	ug/l	2
05399	Carbon Tetrachloride	56-23-5	N.D.		2.	ug/l	2
05401	Benzene	71-43-2	N.D.		1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.		2.	ug/l	2
05403	Trichloroethene	79-01-6	170.		2.	ug/l	2
05404	1,2-Dichloropropane	78-87-5	N.D.		2.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.		2.	ug/l	2
05407	Toluene	108-88-3	N.D.		1.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.		2.	ug/l	2
05409	Tetrachloroethene	127-18-4	1,200.		16.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.		2.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.		2.	ug/l	2
05415	Ethylbenzene	100-41-4	N.D.		2.	ug/l	2
05418	Styrene	100-42-5	N.D.		2.	ug/l	2
05419	Bromoform	75-25-2	N.D.		2.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.	ug/l	2
06302	Acetone	67-64-1	N.D.		12.	ug/l	2
06303	Carbon Disulfide	75-15-0	N.D.		2.	ug/l	2
06305	2-Butanone	78-93-3	N.D.		6.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.	ug/l	2
06308	4-Methyl-2-pentanone	108-10-1	N.D.		6.	ug/l	2
06309	2-Hexanone	591-78-6	N.D.		6.	ug/l	2

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169646

PZ13I-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 16:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

13IPZ SDG#: DCN91-36

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	2.	ug/l	2

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the level of tetrachloroethene, the reporting limits for all GC/MS volatile compounds were raised.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 00:47	Elizabeth M Taylor	2
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 01:10	Elizabeth M Taylor	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 00:47	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169647

PZ021I-112003 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 10:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ021 SDG#: DCN91-37

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	3.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	7.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169647

PZ021I-112003 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 10:30 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ021 SDG#: DCN91-37

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 01:33	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 01:33	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169648

MWB004-112003 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 11:05 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

004BW SDG#: DCN91-38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	7.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169648

MWB004-112003 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 11:05 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

004BW SDG#: DCN91-38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 01:56	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 01:56	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169649

MWB004-112003-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 11:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

00402 SDG#: DCN91-39FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	7.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169649

MWB004-112003-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/20/2003 11:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

00402 SDG#: DCN91-39FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 02:19	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 02:19	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169650

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

DAYTB SDG#: DCN91-40TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169650

Trip_Blank Water Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected: n.a.

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:47
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

DAYTB SDG#: DCN91-40TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 02:42	Elizabeth M Taylor	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 02:42	Elizabeth M Taylor	n.a.

Lancaster Laboratories

PZ8I-111903 Grab Groundwater Sample	4169640
PZ8D-111903 Grab Groundwater Sample	4169641
PZ16D-111903 Grab Groundwater Sample	4169642
MWA002-111903 Grab Groundwater Sample	4169643
MWC002-111903 Grab Groundwater Sample	4169644
MWA005-111903 Grab Groundwater Sample	4169645
PZ13I-111903 Grab Groundwater Sample	4169646
PZ021I-112003 Grab Groundwater Sample	4169647
MWB004-112003 Grab Groundwater Sample	4169648
MWB004-112003-02 Grab Groundwater Sample	4169649
Trip_Blank Water Sample	4169650

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

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

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169611

PZ10I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:07 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:45
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ101 SDG#: DCN91-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		5.	ug/l	10
05385	Chloromethane	74-87-3	N.D.		10.	ug/l	10
05386	Vinyl Chloride	75-01-4	N.D.		10.	ug/l	10
05387	Bromomethane	74-83-9	N.D.		10.	ug/l	10
05388	Chloroethane	75-00-3	N.D.		10.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	11.	J	8.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.		20.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	69.		8.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	N.D.		10.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	2,400.		8.	ug/l	10
05396	Chloroform	67-66-3	N.D.		8.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	N.D.		8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		10.	ug/l	10
05401	Benzene	71-43-2	N.D.		5.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.		10.	ug/l	10
05403	Trichloroethene	79-01-6	8,300.		100.	ug/l	100
05404	1,2-Dichloropropane	78-87-5	N.D.		10.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.		10.	ug/l	10
05407	Toluene	108-88-3	N.D.		7.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.		8.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.		8.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.		10.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.		8.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.		8.	ug/l	10
05418	Styrene	100-42-5	N.D.		10.	ug/l	10
05419	Bromoform	75-25-2	N.D.		10.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10.	ug/l	10
06302	Acetone	67-64-1	N.D.		60.	ug/l	10
06303	Carbon Disulfide	75-15-0	N.D.		10.	ug/l	10
06305	2-Butanone	78-93-3	N.D.		30.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		10.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		10.	ug/l	10
06308	4-Methyl-2-pentanone	108-10-1	N.D.		30.	ug/l	10
06309	2-Hexanone	591-78-6	N.D.		30.	ug/l	10

MEMBER ACIL
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169611

PZ10I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:07 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:45
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ101 SDG#: DCN91-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	8.	ug/l	10

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 03:04	Elizabeth M Taylor	10
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 03:27	Elizabeth M Taylor	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 03:04	Elizabeth M Taylor	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169612

MW10S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:45
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MW10S SDG#: DCN91-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	13.	ug/l	25
05385	Chloromethane	74-87-3	N.D.	25.	ug/l	25
05386	Vinyl Chloride	75-01-4	N.D.	25.	ug/l	25
05387	Bromomethane	74-83-9	N.D.	25.	ug/l	25
05388	Chloroethane	75-00-3	N.D.	25.	ug/l	25
05390	1,1-Dichloroethene	75-35-4	140.	20.	ug/l	25
05391	Methylene Chloride	75-09-2	N.D.	50.	ug/l	25
05392	trans-1,2-Dichloroethene	156-60-5	26. J	20.	ug/l	25
05393	1,1-Dichloroethane	75-34-3	340.	25.	ug/l	25
05395	cis-1,2-Dichloroethene	156-59-2	1,700.	20.	ug/l	25
05396	Chloroform	67-66-3	N.D.	20.	ug/l	25
05398	1,1,1-Trichloroethane	71-55-6	510.	20.	ug/l	25
05399	Carbon Tetrachloride	56-23-5	N.D.	25.	ug/l	25
05401	Benzene	71-43-2	N.D.	13.	ug/l	25
05402	1,2-Dichloroethane	107-06-2	N.D.	25.	ug/l	25
05403	Trichloroethene	79-01-6	17,000.	250.	ug/l	250
05404	1,2-Dichloropropane	78-87-5	N.D.	25.	ug/l	25
05406	Bromodichloromethane	75-27-4	N.D.	25.	ug/l	25
05407	Toluene	108-88-3	N.D.	18.	ug/l	25
05408	1,1,2-Trichloroethane	79-00-5	N.D.	20.	ug/l	25
05409	Tetrachloroethene	127-18-4	N.D.	20.	ug/l	25
05411	Dibromochloromethane	124-48-1	N.D.	25.	ug/l	25
05413	Chlorobenzene	108-90-7	N.D.	20.	ug/l	25
05415	Ethylbenzene	100-41-4	N.D.	20.	ug/l	25
05418	Styrene	100-42-5	N.D.	25.	ug/l	25
05419	Bromoform	75-25-2	N.D.	25.	ug/l	25
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	25.	ug/l	25
06302	Acetone	67-64-1	N.D.	150.	ug/l	25
06303	Carbon Disulfide	75-15-0	N.D.	25.	ug/l	25
06305	2-Butanone	78-93-3	N.D.	75.	ug/l	25
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	25.	ug/l	25
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	25.	ug/l	25
06308	4-Methyl-2-pentanone	108-10-1	N.D.	75.	ug/l	25
06309	2-Hexanone	591-78-6	N.D.	75.	ug/l	25

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Lancaster Laboratories Sample No. WW 4169612

MW10S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:45
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MW10S SDG#: DCN91-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	20.	ug/l	25

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 03:50	Elizabeth M Taylor	25
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 04:13	Elizabeth M Taylor	250
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 03:50	Elizabeth M Taylor	n.a.

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169613

PZ12D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
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Livonia MI 48153-7933

PZ12D SDG#: DCN91-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	1. J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169613

PZ12D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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PZ12D SDG#: DCN91-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 12:58	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 12:58	Trent S Sprenkle	n.a.

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Lancaster Laboratories Sample No. WW 4169614

PZ12I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
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PZ12I SDG#: DCN91-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	1.	J	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	5.	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3.	J	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	380.		4.	ug/l	5
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	3.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	190.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4169614

PZ12I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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Livonia MI 48153-7933

PZ12I SDG#: DCN91-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 10:16	Trent S Sprenkle	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 20:21	Trent S Sprenkle	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 10:16	Trent S Sprenkle	n.a.

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Lancaster Laboratories Sample No. WW 4169615

MWA006-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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006HM SDG#: DCN91-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1.	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	4.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	3.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	31.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	7.	J	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169615

MWA006-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 15:00 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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PO Box 537933
Livonia MI 48153-7933

006HM SDG#: DCN91-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 10:39	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 10:39	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW. 4169616

PZ29I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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29IPZ SDG#: DCN91-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	35.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	11.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	150.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	2. J	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169616

PZ29I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

29IPZ SDG#: DCN91-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 11:02	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 11:02	Trent S Sprenkle	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169617

PZ29D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
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PZ9D- SDG#: DCN91-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4169617

PZ29D-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:25 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ9D- SDG#: DCN91-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 11:25	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 11:25	Trent S Sprenkle	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169618

MW29S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

29SMW SDG#: DCN91-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10.	ug/l	20
05385	Chloromethane	74-87-3	N.D.	20.	ug/l	20
05386	Vinyl Chloride	75-01-4	730.	20.	ug/l	20
05387	Bromomethane	74-83-9	N.D.	20.	ug/l	20
05388	Chloroethane	75-00-3	N.D.	20.	ug/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	16.	ug/l	20
05391	Methylene Chloride	75-09-2	N.D.	40.	ug/l	20
05392	trans-1,2-Dichloroethene	156-60-5	29. J	16.	ug/l	20
05393	1,1-Dichloroethane	75-34-3	N.D.	20.	ug/l	20
05395	cis-1,2-Dichloroethene	156-59-2	3,800.	16.	ug/l	20
05396	Chloroform	67-66-3	N.D.	16.	ug/l	20
05398	1,1,1-Trichloroethane	71-55-6	N.D.	16.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	20.	ug/l	20
05401	Benzene	71-43-2	N.D.	10.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	20.	ug/l	20
05403	Trichloroethene	79-01-6	16,000.	200.	ug/l	200
05404	1,2-Dichloropropane	78-87-5	N.D.	20.	ug/l	20
05406	Bromodichloromethane	75-27-4	N.D.	20.	ug/l	20
05407	Toluene	108-88-3	N.D.	14.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.	16.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.	16.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.	20.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.	16.	ug/l	20
05415	Ethylbenzene	100-41-4	N.D.	16.	ug/l	20
05418	Styrene	100-42-5	N.D.	20.	ug/l	20
05419	Bromoform	75-25-2	N.D.	20.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	20.	ug/l	20
06302	Acetone	67-64-1	N.D.	120.	ug/l	20
06303	Carbon Disulfide	75-15-0	N.D.	20.	ug/l	20
06305	2-Butanone	78-93-3	N.D.	60.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	20.	ug/l	20
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	20.	ug/l	20
06308	4-Methyl-2-pentanone	108-10-1	N.D.	60.	ug/l	20
06309	2-Hexanone	591-78-6	N.D.	60.	ug/l	20

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169618

MW29S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 10:20 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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29SMW SDG#: DCN91-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	16.	ug/l	20

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 11:48	Trent S Sprenkle	20
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 12:12	Trent S Sprenkle	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 11:48	Trent S Sprenkle	n.a.

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169619

MWET3S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
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ET3S- SDG#: DCN91-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	52.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	5.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	110.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	170.		0.8	ug/l	1
05396	Chloroform	67-66-3	0.9	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	76.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	2.	J	1.	ug/l	1
05403	Trichloroethene	79-01-6	97.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	3.	J	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	1,300.		15.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169619

MWET3S-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 11:45 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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ET3S- SDG#: DCN91-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 12:35	Trent S Sprenkle	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 16:31	Trent S Sprenkle	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 12:35	Trent S Sprenkle	n.a.

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Lancaster Laboratories Sample No. WW 4169620

MWET3I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 12:05 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

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ET3I1 SDG#: DCN91-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	81.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	2.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	40.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	64.		0.8	ug/l	1
05396	Chloroform	67-66-3	2.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	840.		8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	1.	J	1.	ug/l	1
05403	Trichloroethene	79-01-6	580.		10.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	5.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169620

MWET3I-111803 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 12:05 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3I1 SDG#: DCN91-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 13:50	Trent S Sprenkle	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 16:54	Trent S Sprenkle	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 13:50	Trent S Sprenkle	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169621

MWET3D-111803 Unspiked Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11BKG

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	8.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	1.	J	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	34.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	3.	J	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	25.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	120.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	320.		8.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	240.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	710.		8.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	35.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169621

MWET3D-111803 Unspiked Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 14:35 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

ET3D1 SDG#: DCN91-11BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Matrix QC was performed on this sample for the GCMS volatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 15:01	Trent S Sprenkle	1
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 18:03	Trent S Sprenkle	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 15:01	Trent S Sprenkle	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169622

MW10S-111803-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

10S11 SDG#: DCN91-12FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		10.	ug/l	20
05385	Chloromethane	74-87-3	N.D.		20.	ug/l	20
05386	Vinyl Chloride	75-01-4	N.D.		20.	ug/l	20
05387	Bromomethane	74-83-9	N.D.		20.	ug/l	20
05388	Chloroethane	75-00-3	N.D.		20.	ug/l	20
05390	1,1-Dichloroethene	75-35-4	140.		16.	ug/l	20
05391	Methylene Chloride	75-09-2	N.D.		40.	ug/l	20
05392	trans-1,2-Dichloroethene	156-60-5	24.	J	16.	ug/l	20
05393	1,1-Dichloroethane	75-34-3	330.		20.	ug/l	20
05395	cis-1,2-Dichloroethene	156-59-2	1,600.		16.	ug/l	20
05396	Chloroform	67-66-3	N.D.		16.	ug/l	20
05398	1,1,1-Trichloroethane	71-55-6	490.		16.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.		20.	ug/l	20
05401	Benzene	71-43-2	N.D.		10.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.		20.	ug/l	20
05403	Trichloroethene	79-01-6	17,000.		200.	ug/l	200
05404	1,2-Dichloropropane	78-87-5	N.D.		20.	ug/l	20
05406	Bromodichloromethane	75-27-4	N.D.		20.	ug/l	20
05407	Toluene	108-88-3	N.D.		14.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.		16.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.		16.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.		20.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.		16.	ug/l	20
05415	Ethylbenzene	100-41-4	N.D.		16.	ug/l	20
05418	Styrene	100-42-5	N.D.		20.	ug/l	20
05419	Bromoform	75-25-2	N.D.		20.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		20.	ug/l	20
06302	Acetone	67-64-1	N.D.		120.	ug/l	20
06303	Carbon Disulfide	75-15-0	N.D.		20.	ug/l	20
06305	2-Butanone	78-93-3	N.D.		60.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		20.	ug/l	20
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		20.	ug/l	20
06308	4-Methyl-2-pentanone	108-10-1	N.D.		60.	ug/l	20
06309	2-Hexanone	591-78-6	N.D.		60.	ug/l	20

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

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169622

MW10S-111803-02 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/18/2003 09:10 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

10S11 SDG#: DCN91-12FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	16.	ug/l	20

The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 18:26	Trent S Sprenkle	20
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 18:49	Trent S Sprenkle	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 18:26	Trent S Sprenkle	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4169623

MWC003-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
Dayton Thermal/Dayton, OH
Collected:11/19/2003 10:15 by DD

Account Number: 10160

Submitted: 11/21/2003 09:40
Reported: 12/01/2003 at 10:46
Discard: 01/31/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

003CC SDG#: DCN91-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

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Lancaster Laboratories Sample No. WW 4169623

MWC003-111903 Grab Groundwater Sample
Site Code: SC001 RFA# ET03076
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Collected:11/19/2003 10:15 by DD

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DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

003CC SDG#: DCN91-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/25/2003 19:12	Trent S Sprenkle	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/25/2003 19:12	Trent S Sprenkle	n.a.

CHRONOLOGY OF EVENTS
DAYTON THERMAL PRODUCTS PLANT, DAYTON, OH

DATE	COMMENT
8/22/96	Initial cost estimate for project transfer and data review submitted to Chrysler.
9/4/96	Revised cost estimate for project transfer and data review submitted to Chrysler.
10/22/96	Revised cost estimate for project transfer and data review submitted to Chrysler.
11/13/96	LBG and Gary Stanczuk discuss when initial P.O. will be issued.
12/4/96	Revised cost estimate for site mapping and work plan submitted to Chrysler.
4/17/97	Revised cost estimate for initial site mapping and work plan prep. submitted to Chrysler.
4/29/97	75% PO issued for site mapping and work plan prep.
5/23/97	Phone message to OEPA for file review request.
5/27/97	Phone message to OEPA for file review request.
5/29/97	Phone message to OEPA for file review request.
5/30/97	Letter request to OEPA for file review.
6/2/97	LBG requests wellfield data from city
6/2/97	OEPA informs LBG they have no comprehensive list of site files, we have to request sites by name.
6/13/97	LBG requests files from Clean Tech.
6/13/97	Remaining 25% of PO issued for site mapping and work plan prep.
6/16/97	Cost estimate for expedited ground-water and soil investigation submitted to Chrysler.
6/17/97	LBG sends certified letter to Clean Tech consultants requesting file info on Dayton site.
7/1/97	Limited info received from OEPA.
7/7/97	LBG speaks with OEPA re: additional info needs.
7/7/97	LBG contacts city of Dayton re: drilling requirements on city property
7/15/97	LBG speaks with OEPA re: regulatory contact person.
7/15/97	OEPA asked to provide files for review.
7/17/97	Speak with OEPA re: requested files.
7/28/97	Speak with OEPA re: requested files.
7/29/97	Revised cost estimate for expedited ground-water and soil investigation submitted to Chrysler.
8/5/97	OEPA notifies LBG that requested files are available for review.
8/7/97	OEPA contacted re: well construction specs., haz. waste, certified labs, and professionals.
8/11/97	Ohio Utilities Protection Service contacted re: offsite drilling.
8/26/97	LBG tabulates well construction details for both onsite and offsite wells.
9/10/97	Drillers pre-bid resheduled for 9/18/97
9/19/97	POC issued for GW investigation/well drilling
9/24/97	Conference call with Gary Stanczuk, Doug Orf, and Marvin Neargarder to discuss press foundations.
	Silicate line to be 150' x 80' x 8' deep. Construction to BEGIN end of October with prep. work.
9/29/97	LBG possibly to write spec. for December press foundation construction?
9/29/97	Project meeting at plant with Marvin Neargarder, Ken Vogel, Gary Stanczuk, Doug Orf, Mike Bratrud.
	Marvin requests that LBG provide him with a list of union contractors for press foundation work.
	Marvin requests that LBG write the bid specifications for his project. Marvin will provide schedule and soil spec.
	First presses to arrive in April 1998.
9/29/97	Well drilling bid meeting at Dayton Plant
9/30/97	Call with Marvin Neargarder. Soil testing must be done by mid-December 1997, wants union bidders.
	The plant should be out of Bldg. 40B by end of 1997. LBG to write specs. for plant.
10/14/97	Discuss well drilling bids with Gary Stanczuk, wants revised costs and scope, OK to call Marvin Neargarder.
	LBG requests that the Plant approve and clear drilling locations.
10/24/97	LBG sends Marvin Neargarder a list of possible contractors for press foundation work.
	LBG requests construction schedule, union requirements, contract arrangements, sampling requirements.
10/27/97	Gary informs LBG that Marvin's press project is up in the air and that Marvin will call in 2 to 3 weeks
10/27/97	Spoke with Gary re: lack of response from Marvin Neargarder in approving proposed well locations.
10/28/97	Conference call with Marvin Neargarder, Doug Orf re: well drilling.
10/30/97	LBG provides Marvin Neargarder with LBG personnel names for phone account and notifies him
	of planned utility meet at plant on 11/10/97 with drilling to start on 11/11/97.
11/1/97	Health and Safety Plan completed.
11/1/97	Discuss 1998 forecast:possibility of sampling soil piles with Gary Stanczuk and shipping soils to Stickney.
11/4/97	LBG submits revised monitor well and pz costs to Gary Stanczuk
11/10/97	Monitor well and piezometer installation begins
11/13/97	Gary Stanczuk requests LBG to meet at Dayton to identify new drilling locations in Bldg. 40B
11/18/97	LBG field personnel meet with Marvin Neargarder to discuss press foundation installation. Silicate drain
	decks not yet designed, anticipated maximum depth is 7 feet. All utilities are overhead except roof drains.
	DTPP wants foundation work done ASAP, before the end of the year.

EPA Region 5 Records Ctr.
349438

11/20/97	OEPA contacted regarding general air permit requirements.
11/23/97	Fluid levels measured in selected wells.
11/26/97	Monitor well and piezometer installation completed.
11/28/97	Cost estimate for Building 40B investigation and pilot testing submitted to Chrysler.
12/2/97	LBG orders equipment for SVE/AS pilot test.
12/3/97	Revised cost estimate for Building 40B investigation and pilot testing submitted to Chrysler.
12/4/97	Well development.
12/5/97	Draft SVE/AS pilot test work plan submitted to Gary Stanczuk for review.
12/5/97	LBG receives Bowser-Morner cost estimate for geotechnical.
12/9/97	Revised Bowser-Morner quote received for geotechnical analysis.
12/12/97	LBG sends contract to Carlo for drilling inside Bldg. 40B
12/12/97	Test borings drilled in Bldg. 40B.
12/22/97	POC issued for waste characterization and SVE/AS pilot testing
12/23/97	LBG spoke with Joe Whitlock re: well development water. Joe doesn't want to deal with it until January.
1/1/98	All wells and pz's are sampled.
1/14/98	Blue Letter funding memorandum submitted to Chrysler, including soil pile sampling.
1/14/98	Well survey info completed for onsite well elevations and locations.
1/14/98	LBG submits Bowser-Morner geotechnical report
1/16/98	LJB reports revised bearing load requirements for press foundations.
1/20/98	Ground-wate sampling begins from onsite wells and piezometers.
1/20/98	Fluid levels measured in all wells.
1/23/98	Meeting at plant to discuss press excavation schedule. LBG reports 1 week pilot test, 1 week of operation, 3 weeks to report results, 4 weeks to design (total of 9 weeks)
1/28/98	Marvin Neargarder OK's LBG to contact LJB.
2/2/98	LBG recommends characterization sampling of large soil piles if there are plans to remove the soil.
2/2/98	Marvin Neargarder provides LBG with names of local plant contractors for specifications.
2/5/98	LBG sends waste approval request to Joe Whitlock for signature
2/5/98	Cost estimate for LBG oversite of press foundation installation submitted to Chrysler.
2/10/98	Press foundation bid meeting at Dayton Plant.
2/12/98	LBG requests break down of trans vs. cis DCE from Quanterra.
2/23/98	Press foundation bids due.
2/27/98	Marvin Neargarder questions foundation pricing from contractors.
2/27/98	LBG informed by Gary Stanczuk that press excavation on hold this week due to high bid costs.
2/27/98	Marvin Neargarder OKs date of 3/2/98 to begin drilling.
3/2/98	Conference call re: bids received for press foundation excavation, delay OK - plant won't pay premium.
3/2/98	Marvin Neargarder refuses to OK drilling locations, unhappy with being asked to do so.
3/3/98	SVE/AS pilot test well drilling begins.
3/10/98	Joe Whitlock provides basic info on backup plant supply well #2
3/16/98	Draft Environmental Summary Memo
3/16/98	Meet at Chrysler to discuss site issues, LBG recommends remediation of Bldg. 40B
3/17/98	Marvin Neargarder informs LBG that likely press foundation excavation to start on April 6.
3/18/98	Cost estimate for hydro research submitted to Chrysler
3/19/98	Miami wellfield study and modflow model received from city of Dayton
3/20/98	LBG calculates cost for ground-water flow model.
3/20/98	POC issued for press foundation oversite and source area drilling
3/26/98	LBG file memo re: ERIIS database results.
3/26/98	Revised cost estimate for hydro research submitted to Chrysler
4/1/98	Revised cost estimate for hydro investigation submitted to Chrysler.
4/9/98	LBG file memo re: data needed for ground-water flow model.
4/10/98	Air permit applications requested from OEPA by LBG
4/13/98	LBG contacts USGS re: data files for ground-water model.
4/15/98	LBG contacts Ohio Division of Waters re: data request for ground-water model.
4/16/98	Flood plain profiles received from city of Dayton
4/20/98	Press foundation installation project begins.
4/20/98	LBG speaks with USGS again requesting info for ground-water model.
4/20/98	LBG requests well info from city
4/20/98	POC issued for hydro research
4/20/98	POC issued for records review, additional hydro investigation, modeling, air permitting.
4/21/98	Unknown sewer pipe broken during press foundation excavation, pipe is pumped out and sampled.
4/23/98	LBG speaks with USGS again requesting info for ground-water model.
4/23/98	LBG file memo re: information obtained from Joe Whitlock's files.

4/24/98	LBG file memo re: regional Dayton issues.
4/30/98	Memo to Gary Stanczuk re: current or upcoming activities at DTPP. LBG estimates 4 months to remediate
4/30/98	Send analytical results of broken sewer line contents to Carlo.
5/1/98	Draft air permit package submitted to Chrysler for review.
5/4/98	Select field trailer
5/4/98	Send contract to Freedom Electric
5/4/98	Landfill wants statement re: F-listed not applicable to soils due to methylene chloride.
5/5/98	Gary Stanczuk speaks with Carlo. Soil will be disposed as construction debris. Gary requests ESI to look lab data indicating the presence of methylene chloride.
5/6/98	Lester Dupes with ESI says methylene chloride is not a problem in east and west pits, needs data for TB-3.
5/7/98	Informed Gary Stanczuk that the plant OK'd LBG's proposed field trailer location
5/7/98	LBG requests cost estimates for electricians and plumbers for SVE system.
5/7/98	LBG speaks with Carlo re: soil disposal. Carlo still doesn't have east and west pit results.
5/8/98	LBG receives bid for SVE plumbing.
5/8/98	LBG prepares preliminary cost estimates for SVE system.
5/11/98	Phone message to Denny Morrow re: status of O/W separator south of Bldg. 40B
5/13/98	Preliminary ground-water flow model results.
5/15/98	Carlo informs LBG they are ready to excavate.
5/15/98	ESI memo re: methylene chloride fro east and west press foundation pits.
5/18/98	SVE well drilling cost estimate submitted to Chrysler.
5/18/98	LBG discusses possible locations for SVE skid at DTPP.
5/18/98	Unknown sewers encountered during press excavation, contain black tarry substance.
5/18/98	Carlo plugs sewers, Marvin shuts down job because Carlo isn't using pipefitters for drain line installation.
5/19/98	Another unknown sewer line is discovered.
5/19/98	LBG completes press foundation oversite.
5/20/98	LBG informed that we can't hook up our field trailer until plant moves in their trailer.
5/26/98	LBG file memo assumes 6 month SVE operation time frame.
5/26/98	Sewer contractor list prepared by LBG.
5/27/98	Meet at plant with plant mgr., silicate line construction to begin in September or October 1998.
5/28/98	Meet with OEPA in Columbus, OH to discuss VAP
5/28/98	Update of ground-water flow model.
5/29/98	DTPP approves 4 SVE well locations, notified LBG that column-support dimensions are unknown, and approved a long-term location for LBG's field trailer. Discuss proposed location of SVE skid south of 40B.
5/29/98	Gary Stanczuk memo to Belvidere releasing skid to LBG
6/1/98	LBG requests cost estimate for soil cuttings drum disposal at Stony Hill Landfill.
6/1/98	SVE well drilling begins in Bldg. 40B.
6/2/98	Belvidere skid shipped for refurbishment
6/3/98	Revised SVE system cost estimates prepared by LBG.
6/3/98	LBG receives sewer cleaning info from Philips, Hi-Po and AquaTech.
6/3/98	LBG requests cost estimate for soil cuttings drum disposal from BFI.
6/4/98	POC issued for SVE well drilling.
6/4/98	SVE well drilling is completed.
6/4/98	Sewer cleaning bids received.
6/5/98	Project Status Update #1 - silicate line construction is anticipated to begin during 4th Qtr. 1998. Some pre-construction site preparation activities may occur as early as Sept/Oct. 1998. Schedule included.
6/5/98	LBG receives cost estimate for soil cuttings drum disposal from Stony Hill Landfill.
6/11/98	Project Status Update #2 - Silicate line construction is anticipated in 4th Qtr. 1998. Mtg. has been set at the plant for 6/17 or 6/18/98 to discuss silicate line construction.
6/12/98	LBG completes bid specs. for sump/sewer line cleanout.
6/24/98	Meet at plant to discuss silicate line construction scheduled for mid-Sept., some SVE wells to be affected.
6/24/98	Meet with City of Dayton Environmental (Jim Shoemaker) to discuss Gore Sorber survey permit.
6/25/98	Meet at plant with subcontractors to walk over SVE construction plans.
6/25/98	Meet with City of Dayton Engineers to discuss Gore Sorber survey permit.
6/25/98	Sewer cleanout pre-bid meeting at Dayton Plant. LBG is informed of sewer "blowing oil" in south parking lot. Joe Whitlock will sample oil and transmit results to LBG. Marvin Neargarder will communicate schedule.
6/30/98	Project Status Report #3 distributed.
6/30/98	SVE system construction begins
7/1/98	Plant conducts asbestos and lead paint abatement during sewer cleanout and SVE construction.
7/1/98	LBG forced to stop work in abatement areas until plant completes work.
7/2/98	Sewer cleanout bids to Rick Armbruster
7/2/98	Sewer cleaning cost estimate submitted to Chrysler

7/6/98	Gore Sorber cost estimate to Chrysler.
7/9/98	Contact city of Dayton re: street right-of-way setbacks.
7/9/98	LBG receives SVE equipment cost estimate.
7/13/98	Sewer cleanout begins
7/14/98	Contact Utility Locator Service for utility info for Gore Sorber survey.
7/15/98	DTPP sends request for payment for field trailer to LBG.
7/21/98	LBG calls OEPA to check on status of air permit exemption request.
7/23/98	Air permit exemption request resubmitted to OEPA.
7/26/98	LBG calculated volume of waste produced by sewer cleaning.
7/27/98	Air permit exemption granted from OEPA
7/27/98	Receive TCLP results from O/W separators #1 and #2
7/28/98	Dick Beck of DTPP wants soil drums removed from plant by Friday.
7/29/98	SVE system construction completed.
7/29/98	Sewer cleanout completed.
7/29/98	Cost for soil cuttings disposal received by LBG.
7/29/98	Memo re: plant asphalting over some existing monitoring wells.
7/29/98	POC issued for SVE construction, SVE O&M, Gore Sorber survey, sewer cleaning, GW sampling.
7/30/98	Concrete and soil debris from press foundation project shipped offsite.
7/31/98	Chrysler OKs well repair from asphalt coverage.
8/1/98	LBG makes repeated inquiries re: location of utilities for Gore Sorber survey planning.
8/3/98	LBG calculates volume of concrete cut during sewer cleaning.
8/5/98	Request sewer line info from city of Dayton.
8/13/98	Initial analytical from contents of Bldg. 40B sewers transmitted to Joe Whitlock.
8/13/98	Receive partial sewer line info from city of Dayton.
8/14/98	Request additional sewer line info from city of Dayton.
8/14/98	SVE system start-up.
8/14/98	Cost estimate for additional Bldg. 40B remediation costs submitted to Chrysler.
8/20/98	LBG prepares Gore Sorber permit application package and send to Chrysler for signature.
8/31/98	Silicate line cost clarification meeting at plant.
9/1/98	Permit application submitted to city of Dayton for Gore Sorber survey.
9/2/98	Chrysler PP&R receives billing info for silicate line construction from plant.
9/4/98	Requisition is written and sent to DTPP for signature and approval.
9/10/98	Signed requisition is received from DTPP.
9/11/98	Carlo receives copy of signed requisition.
9/14/98	Carlo orders silicate line equipment.
9/23/98	Plant calls requests soil conditions in areas K 5&6 so they can instal additional equipment.

REQUEST FOR BID FOR DRILLING SERVICES FOR INSTALLATION OF SVE WELLS AT THE DAYTON THERMAL PRODUCTS

PART 1 GENERAL

INVITATION TO BID

Your firm is hereby requested to submit a proposal for performing the complete work as described in the Contract Documents consisting of these specifications, the bid form, and included drawings and sketches.

Information regarding existing conditions at the job site are believed to be reasonably correct, but Leggette, Brashears & Graham, Inc. (LBG) cannot guarantee its completeness or accuracy. The Contractor will be held to have examined the Contract Documents, the premises and the job site and to have satisfied himself as to the scope of work and field conditions before the delivery of his proposal.

1.1) BIDS AND PRICES

A. Contractor's base bid must be in accordance with the Specifications. Contractor may, at its option, offer alternate bids in addition to the base bid. Each alternate bid must be clearly identified as an alternate and must identify all exceptions taken to the Specifications, listing each item separately and the reason for the exception. Contractor must submit to LBG any alternate price, unit price and separate price that LBG may require. All prices quoted will be firm and with no provision for escalation, unless otherwise specified in writing when the Contract is awarded. Prices must include all applicable taxes.

B. When the Specifications provide for a specific item or its equal, Contractor must calculate the price of the make or type specified. If Contractor prefers to use a substitute material or method that Contractor believes to be of equal or greater value than the specified item, Contractor must state in its bid proposal the price difference to be added to or deducted from the bid price if the specified item were replaced by the substitute. If substitute materials include regulated substances, Contractor must submit a completed "Supplier Regulated Substances Certification Report" to DaimlerChrysler.

C. If a choice of more than one make or type of article or material is specified and Contractor requires an adjustment in the bid price because of the alternatives specified, Contractor must state in its bid proposal the make or type upon which the bid proposal is based and the amount to be added to or deducted from the bid price if other makes or types named in the Specifications are selected. If that type of statement is not in Contractor's proposal, LBG may select any specified make or type without incurring a change in the price. In any event, whenever LBG has a choice of alternate materials, the final selection is LBG's.

1.2 SCOPE OF WORK

A. LBG is soliciting cost proposals for drilling, soil sampling, well installation, and well development at DaimlerChrysler Corporation's Dayton Thermal Products in Dayton, Ohio (figure 1). **Thirty-nine (39) borings with two (2) nested SVE wells per boring, and three (3) borings with a SVE well and monitor well per boring will be installed in the interior of an active manufacturing facility (figures 2 and 3). Most drilling activities are anticipated to be conducted in limited access, potentially high-traffic areas of the facility. As a result, contractor's proposed drilling rig must be capable of drilling under these conditions (figure 4).**

B. All boring locations must be inspected by the Contractor to verify that the rig will clear any access limitations. Approximately 1 foot of concrete flooring exists at all drilling locations. Contractor will be responsible for drilling or providing union coring contractor to cut through the concrete flooring.

C. Thirty-nine (39) of the borings shall be drilled to approximately 25 feet and three of the borings shall be installed to approximately 35 feet below-grade level (bgl). Boreholes shall have a minimum diameter of 6¼-inches. Soils shall be sampled at 5-foot depth intervals, or as directed by the on-site LBG representative. Contractor shall containerize all drill cuttings and store in an on-site location designated by Owner. All wells shall meet the specifications recorded in this Request for Bid, and be in accordance with the Ohio EPA guidance document titled "Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring."

D. The Contractor shall provide a portable steam cleaner or pressure washer and other necessary equipment and supplies necessary to decontaminate all drilling equipment. All decontamination fluids shall be containerized and stored at an on-site location designated by Owner.

E. **Contractor shall provide trade-specific union labor, signatory to the terms of the National Maintenance Agreement, the local collective bargaining agreement, and/or as required by the Owner.** There is no specific bid item number provided for this provision. Include costs associated with this provision in the bid items given.

F. The Contractor shall provide all services, equipment, material, labor, tools, taxes, and any other resources, in good working order, required for the completion of the Work specified in this Request for Bid.

1.3 DEFINED TERMS

A. Certain terms used in this Request for Bid have the meanings indicated below, which are applicable to both the singular and plural thereof.

1. Owner - DaimlerChrysler Corporation.
2. Bidder - one who submits a Bid directly to LBG as distinct from a sub-bidder, who submits a bid to a Bidder. Bidder is synonymous with Contractor.
3. Successful Bidder - the Bidder to whom LBG and Owner make an award.
4. LBG - Leggette, Brashears & Graham, Inc., synonymous with Owner's Representative and Consultant.

1.4 INSTRUCTIONS TO BIDDERS

A. The Contractor shall itemize costs and completely fill out the attached Bid Form, providing unit costs for all activities and materials, as the scope of work for this job is flexible. The Contractor shall be compensated on a unit cost basis for the actual quantities of Work/materials utilized. The cost proposal shall include any project management costs required to perform the Work as well as the cost per hour for down time that is not caused by drilling problems.

B. In addition to the Base Bid Form, if the contractor so chooses, an alternative bid may also be submitted provided the proposed activities meet the intent of this specification. The proposed alternative should benefit the overall project and the contractor shall identify the benefit(s) of the alternative over the base bid scenario. The contractor shall itemize all costs appropriately on the attached Alternative Bid Form. The Contractor shall be compensated on a unit cost basis for the actual quantities of Work/materials utilized. The alternate cost proposal shall include any project management costs required to perform the Work as well as the cost per hour for down time that is not caused by drilling problems.

C. It is a requirement of your proposal, in order to meet the objectives of the DaimlerChrysler S.C.O.R.E. Program, that voluntary cost-saving alternates valued at 6% or more of your bid, be included with your proposal. Base bids must be in accordance with drawings and specifications. Voluntary alternatives are to be spelled out separately and identified by letter or number and by dollar value. Descriptions of these voluntary alternates may, at the bidder's discretion, be withheld until clarification, since it is not LBG's intent in any way to pass these voluntary alternates along to other bidders for consideration.

D. **A mandatory pre-bid meeting and site walkover will be conducted at the facility on Wednesday, May 24, 2000 at 9:00 a.m., Eastern Daylight Savings Time.**

E. Bidders that would like to be considered for the Work outlined in this Request for Bid should fax completed Bid Forms to Kenneth D. Vogel at (651) 490-1006, no later than **noon Central Daylight Savings Time, Thursday, June 1, 2000. Complete bid packages should be received by Kenneth D. Vogel no later than Friday, June 2, 2000.** Bids received after this time may not be accepted. Bids will be opened privately.

F. The proposed rig type and rig dimensions along with an estimate of the time required to complete the Work outlined in this Request for Bid should be submitted with the completed Bid Form.

G. LBG reserves the right to be sole judge of all bids and can reject any and all bids for any reason. If you have any questions or comments in regard to the proposed work, please contact Kenneth D. Vogel at Leggette, Brashears & Graham, Inc., 1210 West County Road E, Suite 700, St. Paul, MN 55112, Phone (651) 490-1405, ext. 202 Fax (651) 490-1006, Email kvogel@lbgmn.com.

H. The selected Contractor shall contract directly with LBG, per the Terms and Conditions of LBG's Standard Form Contract (example attached).

I. All Bids should include a schedule and a discussion of the Contractor's availability and ability to meet the time deadline set forth in the Scheduling section of this Request for Bid for initiation of Work.

J. The quantities provided on the Bid Form are estimates based upon available site data. Actual payment will be based on Work completed.

K. Bidders are encouraged to include Minority Business Enterprise (MBE) firms for subcontracted services and/or supplies, when possible. Such MBE firms must be certified by an Owner-approved national or regional MBE certification council. Bidder shall identify any such proposed MBE sub-contractors in their bid.

1.5 SITE LOCATION AND CONDITIONS

A. Dayton Thermal Products is located at 1600 Webster Street, Dayton, Montgomery County, Ohio.

B. The drilling locations include forty-two (42) locations within the plant (figures 2 and 3). All locations will be in high traffic areas. The Contractor shall provide adequate safety cones, barriers, signs, and/or equipment for drilling in traffic areas of the plant.

C. Coring or drilling through concrete surfaces will be required.

D. The soil at the drilling locations is expected to consist of glacial outwash deposits consisting of sand, gravel, and cobbles with minor quantities of clay. Previous drilling at the site with hollow-stem augers has encountered occasional advancement difficulties due to cobbles and/or other subsurface factors. The depth to ground water is expected to be approximately 27 feet bgl.

1.6 CONTRACTOR USE OF SITE AND PREMISES

A. Stage equipment and materials in location(s) designated by the Owner's Representative in order to minimize interference with Owner's operations.

B. Time restrictions for conducting work: general work hours are limited to 6:30 a.m. to 6:30 p.m. daily. Other plant restrictions may also apply. Evening and weekend access may be permitted.

C. Every precaution shall be taken to minimize disruption to current plant operations. Fugitive dust, noise and/or vapor emissions shall be minimized and contained within the immediate work area.

D. The Contractor shall confine their equipment, storage of materials, and the operations of their workmen to limits indicated by law, ordinances, permits, and directions of the Owner. The Contractor shall enforce the Owner's instructions regarding signs, advertisements, fires and smoking. Smoking on the premises will be permitted only in areas where the Owner's regulations do not forbid the same.

E. The Contractor and all Sub-Contractors and their employees shall be subject to and at all times conform to the Owner's rules and requirements for the protection of the plant, materials, equipment and Owner's employees.

F. Contractor will not unreasonably encumber the job site with materials or equipment and will confine its equipment, materials storage and the operation of its workmen within such areas as DaimlerChrysler may indicate from time to time. Contractor will, at no cost to DaimlerChrysler, move, as directed by DaimlerChrysler, material or equipment temporarily placed on the job site when necessary for performance for the Project.

G. Contractor must not load or permit any part of a structure to be loaded with a weight that will endanger its safety. Contractor will keep the job site and surrounding areas free from accumulation of waste materials or rubbish caused by operations under the Contract. Contractor will

upon completion of the Project leave all buildings broom clean and remove from and around the job site waste materials, rubbish, tools, construction equipment, machinery and surplus materials. If Contractor fails to clean up, DaimlerChrysler may do so at Contractor's expense.

H. Contractor will afford DaimlerChrysler and DaimlerChrysler's other contractors, if any, reasonable opportunity for introducing and storing their materials and equipment and for performing their activities on the job site. Contractor will carry on its work so as not to unduly hinder, delay or interfere with their progress. Contractor will perform any cutting and altering of, and fitting to, its work to make possible other work, including that of trades not covered by the Contract, as indicated on the Drawings even though not specifically stated in the Contract Documents.

I. Contractor and its subcontractors will not disconnect, remove, connect, change or otherwise alter in any way any pipelines, sewers, conduits, cables or other utilities located on DaimlerChrysler's premises without the specific, prior written approval of DaimlerChrysler. Figures 5 and 6 identifies the approximate location of known underground utilities.

J. Contractor will not store or use dynamite or other explosives on DaimlerChrysler's property without the express prior written approval by DaimlerChrysler.

K. If required by DaimlerChrysler, Contractor will furnish its employees and those of its subcontractors with a badge or a card, acceptable to DaimlerChrysler, which will identify them as employees of Contractor or its subcontractors, respectively, and admit them to the job site.

1.7 OWNER OCCUPANCY

A. The Owner will occupy the premises during the contract period.

B. Contractor shall cooperate with Owner to minimize conflict and to facilitate Owner's operations.

C. Contractor shall schedule the Work to accommodate this requirement.

1.8 WORK SEQUENCE

A. Conduct Work to accommodate Owner's occupancy requirement during the Work. Coordinate schedule with Owner's Representative. Conduct Work so inspections and testing can be conducted at a time acceptable to and in the presence of the Owner's Representative.

1.9 REFERENCES

A. Ohio EPA guidance document "Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring" and other relevant regulatory guidance.

1.10 PROJECT RECORD DOCUMENTS

A. Submit, to Owner's Representative, signed copies of well records or other documents required by state, local or federal agencies.

B. ***Submit, to Owner's Representative, prior to initiating work, Certificates of Insurance documenting required insurance coverages and naming Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation as additional insureds.***

C. Submit, to Owner's representative, prior to initiating work, a site-specific Health and Safety Plan for the work.

1.11 REGULATORY REQUIREMENTS

A. Contractor shall conform to applicable code of state and local regulatory authorities.

B. Contractor shall have all state, local or federal licenses necessary to legally conduct the Work described in this Request for Bid.

C. The Contractor shall obtain any and all permits required for the installation of the borings and wells.

D. Conduct Work in accordance with OSHA regulations, State of Ohio, and Owner health and safety protocols applicable to the Work.

1.12 HEALTH AND SAFETY

A. *The project involves soil boring and well installation activities associated with the investigation of soil and ground water potentially impacted by chlorinated and petroleum hydrocarbons, PCBs, and/or metals. All or some of the Work may involve potential or actual exposure to these substances.*

B. Contractor shall have a Health and Safety Plan in place prior to initiation of Work. Level D protection is anticipated for this Work.

C. All site workers shall provide documentation to the on-site drilling supervisor that the field personnel have been trained in the proper use of protective clothing and equipment in accordance with 29 CFR Part 1910.

D. The presence of LBG and/or Owner on the site does not relieve the Contractor's responsibility for complying with all federal, state, and local health and safety guidelines.

1.13 SCHEDULING

A. The anticipated start date for the Work outlined in this specification is the week of June 12, 2000.

B. The Contractor shall notify LBG of any anticipated schedule conflicts or delays a minimum of 5 working days in advance.

C. ***Once Work is initiated, Work shall be conducted on consecutive working days until the scope is completed.***

1.14 LBG RESPONSIBILITIES

A. LBG will obtain permission from Owner to gain access to the site. LBG will provide a full-time drilling supervisor to identify drilling locations and to observe and log soil samples.

B. The presence of LBG on the site does not relieve the Contractor's responsibility for proper workmanship and well construction/installation as required by state codes.

C. LBG will coordinate disposal of soil cuttings.

PART 2 PRODUCTS

2.1 WELL PRODUCTS

All materials shall be new product.

A. Well Casing:

1. 2-inch diameter Schedule-40 PVC pipe with flush joint thread and Buna O-rings for each connection.

B. Bentonite Chips/Pellets/Grout:

1. Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code.

C. Bentonite and/or Cement Seal:
   1. Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code.
D. Filter Pack Sand:
   1. Red Flint No. 30 sand or equivalent sand that is compatible with 10-slot screen.
   2. Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code.
E. SVE Well Nest Screen:
   1. 2-inch diameter, Schedule 40 PVC screen, 10-slot (0.010 inch) openings, and flush joint thread with Buna O-Rings for each connection.
   2. Screens length shall be ten (10) feet.
   3. Screen shall be fitted with a bottom plug.
   4. Screens will be set from 3 to 13 and 15 to 25 feet bgl.
F. SVE/Monitor Well Nest Screen:
   1. 2-inch diameter, Schedule 40 PVC screen, 10-slot (0.010 inch) openings, and flush joint thread with Buna O-Rings for each connection.
   2. Screens length shall be ten (10) and twenty (20) feet.
   3. Screen shall be fitted with a bottom plug.
   4. Screens will be set from 3 to 13 and 15 to 35 feet bgl.
G. Flush-Mounted Well Installation:
   1. All borings shall be constructed as flush-grade wells.
   2. The indoor wells will be completed flush with the floor elevation and the watertight vaults will cemented in place. New concrete will be sealed.
   3. The preferred type of watertight vault is represented by Morrison Fig. 9" 418XAW, New Welded Manhole, available from Morrison Brothers Company, P.O. Box 238, Dubuque, IA 52001, (800) 553-4840, FAX (319) 583-5028, or equivalent. The covers shall be clearly marked with the standard monitoring well warning symbol and labeled "Monitoring Well, Do Not Fill."
   4. Flush-mount wells shall be fitted with watertight, flip-top, compression type, locking well caps provided by the Contractor.
   5. Contractor shall provide necessary materials to insure proper curing of concrete. Should concrete pad(s) crack, split, or otherwise be insufficient, Contractor shall immediately replace the concrete pad at Contractor's sole expense.

2.2 SAMPLING METHODS AND MATERIALS
A. 2-inch diameter split-spoon sampler, or other suitable method approved by Owner.
B. Decontamination equipment and materials.

2.3 PRODUCTS FURNISHED BY OWNER
A. Key-alike locks for SVE/Monitor wells.
B. LBG will help Contractor secure source of power and water from the site.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION
A. Contractor shall verify that site conditions are safe and suitable for all personnel and equipment for conducting the Work.
B. Contractor shall protect structures near the wells from damage.

3.2 LOCATING AND PROTECTING EXISTING UTILITIES
A. Owner will verify utility clearance for drilling locations located on the plant facility.

3.3 DRILLING
A. Drill borehole to diameters and depths specified in this Request for Bid, suitable for viable SVE and monitoring well construction and operation.

3.4 SOIL BORING SPECIFICATIONS
A. The soil borings shall be drilled and sampled in accordance with ASTM D 1586, "Penetration Test and the Split-Barrel Sampling of Soils."
B. Borings shall be advanced as 6¼-inch diameter boreholes.
C. Drilling operations may not create vapor emissions that are discharged to interior of plant. As a result, exhaust fumes may need to be routed to outside of the facility or equipment may be fitted with scrubbers. Exhaust piping runs may be up to 200 feet in length.

3.5 SOIL SAMPLING
A. Soil samples shall be collected starting from just below the concrete flooring and at 5-foot intervals thereafter, to boring termination, and/or as directed by the on-site LBG representative.

3.6 DECONTAMINATION
A. Soil sampling and drilling equipment shall be decontaminated on site.
B. Contractor shall construct a temporary decontamination pad in a location approved by Owner.

3.7 SVE WELL NEST CONSTRUCTION
A. The SVE wells shall have the following characteristics and be constructed per figure 7:
   1. Bore Hole: shall be drilled as a minimum 6¼-inch diameter to depths of approximately 25 feet bgl. Actual depths will be determined on the basis of field conditions and findings.
   2. SVE Well Casings: 2-inch diameter, Schedule 40, PVC.
   3. SVE Well Screen: The on-site LBG representative will determine screen setting depths but they are anticipated to be set from 3 to 13 and 15 to 25 feet bgl.

3.8 SVE WELL NEST INSTALLATION
A. Prior to use, the casings and couplings shall be inspected for cuts, deformations, gouges, deep scratches, damaged ends, and other imperfections. Any casing or coupling having such a defect(s) may not be used. Trim and smooth ends and remove burrs from well casings. Remove any debris or dirt, on inside and outside of casings, before assembly.
B. The well casing and screen assembly shall be constructed during the drilling of the borehole. Place well casing(s) and screen assembly(s) immediately after drilling. Set firmly in place. Allow inspection of casing(s) prior to placement of bentonite. Place sand pack(s) and bentonite seal(s) in accordance with this Request for Bid.
C. Filter pack sand shall be emplaced so as to extend from

bottom of the well to 0.5 foot above the top of the well screen. Contractor shall ensure that the filter pack is installed evenly surrounding the well screen and casing over the proper interval by using a tape measure, measuring rod or similar device. The filter pack sand shall not be allowed to bridge. If bridging occurs, the filter pack sand shall be tamped into place to surround the well screen and/or casing.

D. All wells shall be constructed with an annular space seal designed to achieve a permeability of 1 X 10 -7 centimeters per second or less. The annular space seal for the deep well of the nest shall extend from the filter pack to 0.5 foot below the shallow well bottom plug. The annular seal for the shallow well of the nest shall extend from the filter pack to 2 feet bgl. Sealant materials may not contain additives. Bentonite pellets, bentonite chips or bentonite granules may be used to seal the annular space when there is no standing water in the well above the filter pack and the total well depth is less than 25 feet.

E. Maintain well opening(s) and casing(s) free of contaminated materials. Do not permit cuttings to enter casing(s) when the top is being cut to final elevation.

3.9 SVE/MONITOR WELL NEST CONSTRUCTION

A. The SVE/Monitor wells shall have the following characteristics and be constructed per figure 8:

1. Bore Hole: shall be drilled as a minimum 6¼-inch diameter to depths of approximately 35 feet bgl. Actual depths will be determined on the basis of field conditions and findings.
2. SVE Well Casings: 2-inch diameter, Schedule 40, PVC.
3. SVE Well Screen: The on-site LBG representative will determine screen setting depths but are anticipated to be set from 3 to 13 and 15 to 35 feet bgl.

3.10 SVE/MONITOR WELL NEST INSTALLATION

A. Prior to use, the casings and couplings shall be inspected for cuts, deformations, gouges, deep scratches, damaged ends, and other imperfections. Any casing or coupling having such a defect(s) may not be used. Trim and smooth ends and remove burrs from well casings. Remove any debris or dirt, on inside and outside of casings, before assembly.

B. The well casing and screen assembly shall be constructed during the drilling of the borehole. Place well casing(s) and screen assembly(s) immediately after drilling. Set firmly in place. Allow inspection of casing(s) prior to placement of bentonite. Place sand pack(s) and bentonite seal(s) in accordance with this Request for Bid.

C. Filter pack sand shall be emplaced so as to extend from the bottom of the well to 0.5 foot above the top of the well screen. Contractor shall ensure that the filter pack is installed evenly surrounding the well screen and casing over the proper interval by using a tape measure, measuring rod or similar device. The filter pack sand shall not be allowed to bridge. If bridging occurs, the filter pack sand shall be tamped into place to surround the well screen and/or casing.

D. All wells shall be constructed with an annular space seal designed to achieve a permeability of 1 X 10 -7 centimeters per second or less. The annular space seal for the deep well of the nest shall extend from the filter pack to 0.5 foot below the shallow well bottom plug. The annular seal for the shallow well of the nest shall extend from the filter pack to 2 feet bgl. Sealant materials may not contain additives. Bentonite pellets, bentonite chips or bentonite granules may be used to seal the annular space when there is no standing water in the well above the filter pack and the total well depth is less than 25 feet.

E. Maintain well opening(s) and casing(s) free of contaminated materials. Do not permit cuttings to enter casing(s) when the top is being cut to final elevation.

3.11 WELL COMPLETION

A. All SVE and SVE/Monitor well nests shall be completed as flush grade well installations.

B. Contractor shall properly develop wells and containerize development fluids and store in onsite location designated by Owner.

3.12 SOIL BORING ABANDONMENT

A. All soil borings that are not completed as wells shall be abandoned in accordance with applicable state guidelines. It is not anticipated there will be any borings which will be abandoned.

3.13 DRILL CUTTINGS

A. The Contractor shall collect and containerize all drill cuttings and store them in a location designated by the Owner. LBG will be responsible for sampling and coordinating cuttings disposal.

3.14 SITE CLEANING

A. The Contractor shall be responsible for collecting and disposing of all cement, sand pack and bentonite bags, as well as other refuse and materials, and cleaning up and restoring the areas where drilling has taken place.

B. Clean surfaces impacted by the spray from concrete coring operations.

END OF REQUEST FOR BID

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BASE BID FORM FOR ONSITE SVE WELL INSTALLATION

TO: Mr. Kenneth D. Vogel
Leggette, Brashears & Graham, Inc.
1210 West County Road E, Ste 700
St. Paul, Minnesota 55112

FOR: Drilling and SVE Well Installation Services
DaimlerChrysler Corporation
Dayton Thermal Products
Dayton, Ohio

The undersigned has carefully examined the Request for Bid for Drilling Services and other conditions relative to the work, and has made all evaluations and investigations necessary to gain a full understanding of pertinent site conditions and all regulatory, material, equipment, and labor requirements necessary to successfully and safely complete the work, as well as any reasonable difficulties which may be encountered in performing the work.

BID SCHEDULE

The undersigned hereby proposes and agrees to furnish all labor, materials, equipment, tools, taxes, services and all other items necessary or appropriate for the proper and complete execution of the work for the following estimated amount:

Base Bid Estimate
All work:_____Dollars ($_____).

The undersigned agrees, if this proposal is accepted, to enter into an agreement with Leggette, Brashears & Graham, Inc., per the Terms and Conditions of LBG's Standard Form Contract, for the above unit price-based, estimated Contract Sum.

Unit Prices
This bid estimate is based upon, and all work shall be performed in accordance with, the Unit Prices listed below. Should additions or subtractions to the scope of work be required, adjustment will be made to the Contract Sum at the following Unit Prices, which shall include all associated expenses, including taxes, overhead and profit.

UNIT PRICE TABLE

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
A.	Mobilize and demobilize ___ drilling rig(__), equipment and work crew to/from Dayton, Ohio.	L.S.	1		
B.	Drill 39 boreholes, minimum 6 1/4-inch diameter, to 25 feet.	L. F.	975		
C.	Drill 3 boreholes,minimum 6 1/4-inch diameter, to 35 feet.	L.F.	105		
D.	Soil Sample, 2-inch diameter sampling device at 5-foot intervals.	Each	216		
E.	2-inch SVE well nest installation/construction.	L.F.	1482		
F.	2-inch SVE/Monitor well nest installation/construction	L.F.	144		

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
G.	Flush-grade SVE/Monitor well finishing.	Each	42		
H.	2-inch, flip top, vented, compression well caps.	Each	84		
I.	Containerization of drill cuttings.	L.S.	1		
J.	Decontamination equipment and supplies.	L.S.	1		
K.	Decontamination.	Per Hour			
L.	Standby, non-equipment failure.	Per Hour	0		
M.	Per Diem, entire crew	Per Day			
N.	Level C Personal Protection.	Per Man /Per Day	0		
O.	SCORE SAVINGS PROPOSAL (please attach explanation of proposed savings)				$( )
P.					
Q.					
	TOTAL ESTIMATED BID	--------	------	--------	

L.S. = Lump Sum L.F. = Linear Foot

NOTE: Bidder shall provide estimated quantities for all equipment/materials/services on Unit Price Table for which no estimated quantities are indicated.

Contractor proposes to use _____ (number) drilling rig(s).
Contractor estimates _____days to complete this work.

PROJECT INITIATION

If awarded this contract, the undersigned proposes and agrees to start work as early as June 12, 2000.

ADDENDA RECEIVED (IF REQUIRED)

The undersigned hereby acknowledges receipt of the following Addenda which shall become part of the Contract Documents:

Addendum Number 1 Dated_____ Addendum Number 2 Dated_____

Any Bid Addenda received during the bid process should be acknowledged by the Contractor by transferring the date of the Addenda to the appropriate line above.

BID ACCEPTANCE

In submitting this proposal, it is understood that Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation reserve the right to reject any or all bids, waive any formalities or technicalities in any bid and to make an award in the best interest of Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation. It is further understood and agreed that this proposal may not be withdrawn for a period of sixty (60) calender days after the date set for bid receipt.

Our company **IS**_____, **IS NOT**_____ a Certified Minority Business Enterprise (MBE) firm. If so, please attach certification documentation.

Respectfully Submitted:

_____
Contractor

_____
Signature

_____
Name and Title

_____
Date

(_____)_____
Telephone Number

(_____)_____
Fax Number

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ALTERNATE BID FORM FOR ONSITE SVE WELL INSTALLATION

TO: Mr. Kenneth D. Vogel
Leggette, Brashears & Graham, Inc.
1210 West County Road E, Ste 700
St. Paul, Minnesota 55112

FOR: Drilling and SVE Well
Installation Services
DaimlerChrysler Corporation
Dayton Thermal Products
Dayton, Ohio

The undersigned has carefully examined the Request for Bid for Drilling Services and other conditions relative to the work, and has made all evaluations and investigations necessary to gain a full understanding of pertinent site conditions and all regulatory, material, equipment, and labor requirements necessary to successfully and safely complete the work, as well as any reasonable difficulties which may be encountered in performing the work.

BID SCHEDULE

The undersigned hereby proposes and agrees to furnish all labor, materials, equipment, tools, taxes, services and all other items necessary or appropriate for the proper and complete execution of the work for the following estimated amount:

Alternate Bid Estimate
All work:_____Dollars ($_____)

The undersigned agrees, if this proposal is accepted, to enter into an agreement with Leggette, Brashears & Graham, Inc., per the Terms and Conditions of LBG's Standard Form Contract, for the above unit price-based, estimated Contract Sum.

Unit Prices
This alternate bid estimate is based upon, and all work shall be performed in accordance with, the Unit Prices listed below. Should additions or subtractions to the scope of work be required, adjustment will be made to the Contract Sum at the following Unit Prices, which shall include all associated expenses, including taxes, overhead and profit.

UNIT PRICE TABLE

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
A.	Mobilize and demobilize ___ drilling rig(s), equipment and work crew to/from Dayton, Ohio.	L.S.	1		
B.	Drill___ _ boreholes, minimum ____-inch diameter, to 25 feet.	L. F.			
C.	Drill __ _ boreholes, minimum____-inch diameter, to 35 feet.	L.F.			
D.	Soil Sample, using _____ method				
E.	____ -inch SVE well nest installation/construction.	L.F.			
F.	____ -inch SVE/Monitor well nest installation/construction	L.F.			

I.D.	DESCRIPTION	UNIT	EST. QTY	UNIT COST	TOTAL
G.	Flush-grade SVE/Monitor well finishing.	Each			
H.	2-inch, flip top, vented, compression well caps.	Each			
I.	Containerization of drill cuttings.	L.S.	1		
J.	Decontamination equipment and supplies.	L.S.	1		
K.	Decontamination.	Per Hour			
L.	Standby, non-equipment failure.	Per Hour	0		
M.	Per Diem, entire crew	Per Day			
N.	Level C Personal Protection.	Per Man /Per Day	0		
O.	SCORE SAVINGS PROPOSAL (please attach explanation of proposed savings)				$( )
P.					
Q.					
	TOTAL ESTIMATED ALTERNATE BID	--------	------	--------	

L.S. = Lump Sum L.F. = Linear Foot

NOTE: Bidder shall provide estimated quantities for all equipment/materials/services on Unit Price Table for which no estimated quantities are indicated.

Contractor proposes to use _____ (number) drilling rig(s).
Contractor estimates _____days to complete this work.

PROJECT INITIATION

If awarded this contract, the undersigned proposes and agrees to start work as early as June 12, 2000.

ADDENDA RECEIVED (IF REQUIRED)

The undersigned hereby acknowledges receipt of the following Addenda which shall become part of the Contract Documents:

Addendum Number 1 Dated_____ Addendum Number 2 Dated_____

Any Bid Addenda received during the bid process should be acknowledged by the Contractor by transferring the date of the Addenda to the appropriate line above.

BID ACCEPTANCE

In submitting this proposal, it is understood that Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation reserve the right to reject any or all bids, waive any formalities or technicalities in any bid and to make an award in the best interest of Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation. It is further understood and agreed that this proposal may not be withdrawn for a period of sixty (60) calender days after the date set for bid receipt.

Our company **IS**_____, **IS NOT**_____ a Certified Minority Business Enterprise (MBE) firm. If so, please attach certification documentation.

Respectfully Submitted:

_____
Contractor

_____
Signature

_____
Name and Title

_____
Date

(_____)_____
Telephone Number

(_____)_____
Fax Number

S:\TECH\3CHRY\DAYTON\PROJMGMT\BIDS\ONSITEAL.FRM

Ken Vogel <KVogel@lbgmn.com> on 07/05/2000 11:28:58 AM

To: "Gary Stanczuk (E-mail)" <gms9@daimlerchrysler.com>
cc: Kristin Yahnke <KYahnk@lbgmn.com>

Subject: Dayton Catox

Gary,

Kristin and I met with John Strey and John Robinson of Catalytic Combustion last week to discuss the test results from the Dayton catalyst. Engelhard Corp. tested the catalyst for Freon and none was detected. This result is not too surprising since Freon is very volatile, and (as it has been explained to me) would only be detected under certain ideal circumstances anyway. As a result, we still have no definitive answer re: whether or not Freon is the cause of the catalyst inefficiency. Engelhard subsequently conducted XPS analysis for metals to look for other potential catalyst poisons. A small amount of silicon was detected, and as a result, Engelhard will not warranty a Freon-resistant catalyst should we elect to retro-fit. Apparently, Engelhard's business group made this decision, contrary to one of their chemists (Howard) who reportedly did not believe there was enough silicon present to account for the loss of destruction efficiency of the catalyst.

Catalytic Combustion has reported frustation in initiating effective communications and technical information exhange with Engelhard. Basically, Engelhard doesn't seem to think this issue is very important. Therefore, any assistance DaimlerChrysler could provide in encouraging Engelhard to actively participate in solving this issue, would be greatly appreciated. The Engelhard contact is Mr. Charles M. Patellis (440) 548-5866, FAX = (440) 548-5867.

Regards,
Ken Vogel

****

Kenneth D. Vogel, PG, CHMM
Senior Associate
LEGGETTE, BRASHEARS & GRAHAM, INC.
1210 West County Road E, Suite 700
St. Paul, Minnesota 55112
(651) 490-1405 ext. 202
(651) 490-1006 FAX
email: kvogel@lbgmn.com

A high temperature catalytic oxidizer was purchased from Catalytic Combustion and was installed at our Dayton Thermal Plant to process air from a soil vapor recovery system. The air contains volatile organic compounds (VOC) that consist of chlorinated hydrocarbons. The air is processed through the catalytic oxidizer where 95% or greater destruction of the VOCs occurs. We observed an unusually rapid degradation of the catalytic bed and determined one possible cause was by the introduction of Freon into the system. Catalytic Combustion contacted Engelhard Corporation who is able to provide a Freon resistant catalytic oxidizer.

Engelhard subsequently conducted various tests including XPS analysis for metals on the original catalytic oxidizer to look for other potential catalyst poisons. A small amount of silicon was detected, and as a result, Engelhard will not warrant a Freon-resistant catalyst should we elect to retrofit. Apparently, Engelhard's business group made this decision, contrary to one of their chemists who reportedly did not believe there was enough silicon present to account for the loss of destruction efficiency of the catalyst. We have offered to install a pretreatment filter to capture potential silicon in the influent air stream. However, this was of no interest to Engelhard.

Catalytic Combustion has reported frustration in initiating effective communications and technical information exchange with Engelhard. Basically, Engelhard doesn't seem to think this issue is very important. The subsurface contamination at the Dayton Thermal Plant is of the utmost concern to DaimlerChrysler Corporation.

Therefore, any assistance you or your contacts in Stuttgart could provide in encouraging Engelhard to actively participate in solving this issue would be greatly appreciated. The Engelhard contact is Mr. Charles M. Patellis (440) 548-5866, FAX = (440) 548-5867.

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER
AND ENVIRONMENTAL ENGINEERING SERVICES

1210 WEST COUNTY ROAD E
SAINT PAUL, MN 55112

(651) 490-1405 FAX (651) 490-1006

DATE: 7/5/00

PAGES: 3
(Includes cover page)

TO: Gary Stanczuk

FAX #: (248) 576-7369

COMPANY: DCC

TO:

FAX #:

COMPANY:

TO:

FAX #:

COMPANY:

FROM: Ken Vogel

RE: Dayton Catox Issues/Plan

Gary please review + call to discuss.
Thanks!
KV

Please contact Kathleen Weinrich (651) 490-1405 if transmission is incomplete or can not be read.

fax TRANSMITTAL

Date: July 5, 2000

To: Ken Vogel and Kristin Yahnke, LBG

From: John Strey, John Robinson, CCC

Re: Dayton

Independent Catalyst Performance Evaluation
The initial evaluation of the catalyst was performed by Engelhard Corporation and it was determined that the presence of silicon has caused deactivation of the catalyst and thus the required hydrocarbon destruction cannot be obtained. This independent evaluation will serve as our base line and will allow us to compare these findings to the original catalyst manufacturer's evaluation.

Items to be completed for the DaimlerChrysler Dayton Project:

1. June 30th, CCC forwarded a sample of the failed catalyst to Met Pro for warranty evaluation. Met Pro will receive the sample on Wednesday July 5th. We will then request a timeline for their evaluation.
We are requesting that Met Pro determine the activity level of the catalyst, and to indicate the potential cause of poor field performance.

2. Silicon Evaluation

- **Prepare Catalyst Core Samples**

Week of July 3rd, CCC to prepare (2) catalyst core samples and forward to LBG St. Paul for installation on the exhaust of the SVE system. These samples will be installed on the air discharge side of the existing Soil Vapor Extraction System. The catalyst core samples will consist of aluminum oxide in the form of 1/8" beads, which have a very large surface area. Once these core samples are installed and the process is operated, any contaminants such as silicon, which are present will be adsorbed onto the Aluminum Oxide beads. PIXE labs will then perform an X-Ray elemental analysis of the sample and a known blank for our review. We estimate (5) working days will be required to receive the analytical data from PIXE once they receive.

CCC is reviewing minimum detection limits with PIXE labs to determine the amount of time the process flow must run through the Catalyst Core Sample and will report this information to LBG July 5th or 6th.

- **Collect Air Sample**

An air sample will be collected by LBG when the SVE system is re-started with the aluminum beads in place. The Summa canister sample will be collected ahead of the aluminum beads. Lancaster will analyze the air and a library search will be performed to determine if there are silicone-containing compounds present.

- **Potential Historic Use of Silicone-Containing Compounds**

LBG will visit with DTP personnel to determine if silicone-containing compounds have historically been utilized at the facility. DTP will also be asked to explain known historical operations in the building 40B area. These discussions will occur during the trip when the aluminum beads are installed.

3. Obtaining a Catalyst Warranty
Once all data has been compiled CCC will submit a formal request to Engelhard and petition them to submit a warranty for the catalyst.

4. Next Step (Pilot Test)
If a definitive silicon source cannot be identified then CCC suggests the reinstallation of the catalytic oxidizer with a portion of the Engelhard replacement catalyst along with a catalyst guard bed. This will enable us to evaluate the effectiveness of the Engelhard catalyst and determine if catalyst poisons are a problem without the risk of deactivating the entire catalyst bed.

5. Additional Costs
Aluminum Oxide Sacrificial Guard bed to help protect the Engelhard Catalyst. CCC estimates the cost at $3,000. Future X-Ray analyzing of the guard bed to determine if catalyst poisons are present are estimated at $1,000. If catalyst poisons are found, however only in small quantities, it is possible to replace the guard bed periodically to reduce the deactivation potential of the main catalyst bed.

Should the Pilot test prove successful a CCC field engineer will then travel to the site and install the remaining catalyst required for full scale operation at an estimated cost of $6,000.

MEMORANDUM

TO: Mike Curry, DCX
Gary Stanczuk, DCX

FROM: Ken Vogel, LBG KOV

DATE: February 14, 2000

SUBJECT: Dayton Catox/Freon Issue

As we have previously discussed, the catalytic oxidizer at Dayton has experienced a significant decline in destruction efficiency for target chlorinated hydrocarbons, especially PCE. It is believed that the unexpected occurrence of Freon 113 in the recovered soil vapors is the principal cause of the problem. The introduction of Freon, which contains fluorine, into a catox is known to cause the formation of hydrofluoric acid which physical etches and degrades the silicate-based catalyst bed.

Attached for your review is a summary of Catalytic Combustion's research and recommendations for correcting this problem. CC recommends testing the present catalyst bed for the presence of inhibitors and then reconfiguring the existing catox to accommodate a HF-resistant catalyst provided by Engelhard. Additional technical references are also provided.

The initial cost estimate from CC to conduct the testing and reconfiguration is approximately $90,000. The entire catox will require shipment back to the manufacturer to conduct this work, which should be completed within 4 to 5 weeks. Due to high target compound loading and the presence of vinyl chloride, LBG does not believe that switching back to carbon is a cost-effective alternative.

Due to the historical presence of a Freon degreaser at the site, Freon was identified by LBG as a possible target compound prior to system design. As illustrated on the attached table, LBG initially tested for Freon during the SVE Pilot Testing phase. However, the initial pilot test results were non-detect for Freon, as were four subsequent SVE air-sampling events. As a result, the catox was not designed for Freon and the air analytical compound list was reduced to only those compounds previously detected. If the presence of Freon had been positively documented during the design phase, the cost of the present system would have increased by approximately $50,000.

LBG recommends proceeding with shipment of the catox and scrubber and testing of the catalyst to confirm that physical degradation has occurred. The results of that testing should then be the decision-point for proceeding with new, HF-resistant catalyst.

S:\TECH\3CHRY\DAYTON\FINALDOC\CATOX.MEM

DaimlerChrysler Corporation
Dayton Thermal Products Plant
Dayton, Ohio

Summary of Air Analysis - Freon 113 Testing

Date of Sample	Locations Sampled	Freon 113 Included in Analysis	Reported Level (PPMv)	Laboratory
03/18/1998	SVE Pilot Test Wells	Yes	<0.01	Precision
08/15/1998	System Start-up, All Shallow SVE Wells and SVE System Effluent	Yes	<0.01	Precision
09/09/1998	SVE System Effluent	Yes	<0.01	Precision
11/10/1998	SVE System Effluent	Yes	<0.01	Precision
12/03/1998	SVE System Effluent	Yes	<0.01	Precision
02/10/1999	SVE System Effluent and Operating SVE Wells	No	--	Precision
03/05/1999	SVE System Effluent	No	--	Precision
04/07/1999	SVE System Effluent	No	--	Precision
05/13/1999	SVE System Effluent	No	--	Precision
10/21/1999	SVE System Effluent	No	--	Precision
12/15/1999	SVE System Effluent	Yes	11	Pace
01/13/2000	SVE System Effluent	Yes	2.6	Lancaster
01/13/2000	SVE System Effluent	Yes	Not Received	Pace

PPMv = part per million on volume per volume basis

February 4, 2000

Ms. Kristin Yahnke
Leggette, Brashears & Graham, Inc.
1210 W. County Road E, Suite 700
St. Paul, MN 55112

Phone: 612-490-1405
Fax: 612-490-1006

FEB 08 2000

Re: Daimler Chrysler/Dayton/Catox

Dear Kristin;

The following engineering review of the Cat-ox performance at the Dayton Project is provided for your consideration.

Leggette, Brashears & Gragham (LBG) contracted with Catalytic Combustion Corporation (CCC) to Engineer and Fabricate a Chlorinated Oxidizer and HCl Neutralization system to treat the chlorocarbon off gas from an existing vapor extraction system, which was previously supplied by CCC.

Catalytic Oxidation was chosen as the Best Achievable Control Technology (BACT) for the destruction of the chlorinated solvents due to a proven track record on mixed chlorocarbon fume streams and the total destruction of the hazardous compounds on-site, which decreases site owner liability.

The first Halogenated Destruction Catalyst (HDC) was developed by AlliedSignal in the late 1980's for the destruction of nerve gas for the DOD. This market was never realized and Allied researched markets for other commercial applications.

CCC was an engineering and manufacturing division of Universal Oil Products (UOP) in the 1970's. This past relationship paved the way for many R&D projects over the last 20 years including the first application for the remediation of chlorocarbons at a former Southern California military site in 1989. This first in the nation project was a joint venture between UOP/AlliedSignal, Catalytic Combustion and King Buck Associates.

This system is in operation today and to date has destroyed over 90 tons of TCE.

The benefits of this technology are numerous and two technical papers are attached which provide greater detail to the effectiveness of Catalytic Technology for the destruction of chlorocarbons.

LBG provided initial design data was provided to CCC for the project. The design data indicated a mixed chlorocarbon fume stream typical of most industrial remediation projects. The overall destruction efficiency required for the project is 95%. The catalyst utilized for the Dayton Project was provided by a division of Met-Pro Industries, located in Harleysville Pennsylvania. Met-Pro is one of four companies who now produce a HDC type catalyst.

LBG provided CCC with the dynamic analytical data for the influent and effluent from the catalytic oxidation system after the system was in operation. The data indicated that the system was performing an overall removal efficiency of >95% for the majority of the constituents except for PCE which was 84.17% as illustrated below.

Since 1989 we have manufactured some (60) chlorinated oxidizers and to date we have only missed destruction efficiency on (2) projects, so we were surprised by this performance.

The standard protocol recommended by the catalyst supplier was to increase the average catalyst temperature by 50° F, from 850° to 900° F. Typically this would have shown an increase in destruction of all chlorinated species.

Case 1 The test data obtained @ 900° F showed the following performance patterns:

1,1 DCE and 1,1,1 TCA – 100%
Cis 1,2 DCE and TCE – 95+%
PCE – 84.17%
Overall removal – 91.64%

PCE appears to be the source of the problem in this case. Since all other conversions were as predicted, we were surprised by the low PCE conversion. Our experience and the catalyst manufacturers experience has been that by increasing the temperature slightly would have brought the PCE removal efficiency to acceptable levels. The data suggested that the catalyst was indeed working, however it was falling short of our projected design data for the PCE.

In an effort to verify this trend the temperature was raised 50° F.

Case 2 The system temperature was raised to 950° F and the following performance was obtained:

Vinyl chloride and 1,1 DCE – 100%	Followed the normal trend
Cis 1,2 DCE and TCE – 96.2%	A marginal increase in performance.
1,1,1 TCA – 96.89%	Drop in performance from 100%
PCE – 77.14%	A drop in performance from 84.17%
Overall removal – 81.32%	Uncharacteristic trend

In addition to the constituents shown above, the analytical data collected indicated a level of CFC (Freon 113) @ 11 ppmv, which when converted forms 33 ppmv of Hydroflouric acid.

Like most pollution control oxidation catalyst used today, the HDC catalyst uses an extruded honeycomb cell, monolith, substrate of cordierite, which nominally is about 50% silica.

This substrate is then wash coated with a mixture of Titania, various rare earths and alumina. This maximizes the adsorptive surface area. The wash coat is then impregnated with the catalyst material, typically a combination of Platinum and Palladium.

Hydrogen fluoride, which is used to etch glass will chemically attack the silica in the substrate. Thus the majority component of the catalyst support substrate turns to a vapor (gas) and the substrate disintegrates causing catalyst structural failure. There is little data available as to the amount of fluoride necessary to degrade the catalyst over time, however we do know the catalyst is seriously affected at concentrations over 10 ppmv.

Remarks These results lead us to arrive at the following:

1) The introduction of a CFC into the stream inhibited and altered the catalytic activity even upon increasing the temperature to 950° F. The removal efficiencies were significantly affected and reduced for 1,1,1 TCA and PCE, while showing only a marginal increase for 1,2 DCE and TCE.

2) There is little data available on the allowable concentrations of CFC on catalysts and their effect on the activity and the life of the catalyst The following information is provided to explain this phenomenon.

Inhibition of Chlorinated Catalyst Performance Caused by CFC's

The reaction which occurs on the surface of a catalyst is one where the compound to be destroyed is first absorbed on the catalyst near or on an active site. The molecular structure is broken apart and the individual atoms combine with either oxygen or hydrogen. These reaction products then diffuse off of the surface and the active site is regenerated by the absorption of either oxygen or hydrogen and the process begins again. Under normal operating conditions for a catalyst bed the surface reaction is nearly instantaneous and therefore the rates of diffusion from the flowing air stream and adsorption by the surface are the limiting factors in the performance of the catalyst.

A failure of the catalyst to perform as expected when it is not being effected by poisons or masking agents is called inhibition. Inhibition refers to a decrease in the performance of the catalyst caused by interactions between the compounds being eliminated or by interactions between the compounds and the catalyst itself. A common example is the oxidation of carbon monoxide in the presence of hydrogen sulfide. Carbon monoxide reacts very well across a platinum based catalyst with efficiencies of 99%+ common. However, when hydrogen sulfide is introduced into the air stream the conversion of carbon monoxide quickly drops to the low 70%'s. When the hydrogen sulfide is turned off the performance of the catalyst will slowly return to the 99%+ level.

It has been theorized that the drop in performance is caused by various events. One is that the hydrogen sulfide has a stronger attraction to the catalyst surface so that it competitively crowds out the carbon monoxide. Another is that the adsorption rate is the same but the desorption rate of the reaction product, sulfur dioxide, is slow and therefore the active sites are occupied longer than is tolerable for the given amount of catalyst to be able to perform adequately. Other theories speculate that the steps by which the molecules are broken down and then recombined with oxygen and hydrogen are changed by the presence of an inhibiting compound.

Destruction of chlorinated hydrocarbons is a technology that was developed in the early 1990's. Originally developed for the control of single compounds in air, it has been adapted to applications where there is a mixture of chlorinated compounds. In general the catalyst has performed as expected despite the wide number of chlorinated compounds that can be presented from a remediation site. This has been done by determining which chlorinated compound is the most difficult to eliminate and then modeling the performance of the entire bed on that compound. Fortunately, there are one or two compounds that are so much more difficult to eliminate, as compared to the majority of chlorinated hydrocarbons, that if there are inhibition or competition effects then they are insignificant enough not to be noticeable when evaluating the performance of the catalyst bed.

However, when Chlorofluorocarbons (CFC's) are introduced to the mixture a different situation occurs. In a manner similar to the carbon monoxide/hydrogen sulfide example it is possible that

the CFC's are more strongly attracted to the catalyst and thus compete with the chlorinated compounds for the active sites. Interruption of the normal reaction pathways is possible. Also the interaction between the fluorine and the silicon component of the catalyst substrate (forming silicon hex fluoride) would cause a delay in the regeneration of the active site. The attached graph shows that when a CFC and Perchlorethylene are mixed the resulting performance is lower than that demonstrated by either of the individual compounds. Clearly an inhibition process is taking place. Therefore if an existing chlorinated oxidizer suddenly encounters CFC's the performance of the catalyst for all compounds will be affected.

Most Recent Analytical Data

Compound	Lancaster Analysis Sample Collected 1/13/00			Pace Analysis Sample Collected 1/13/00		
	Catox In PPMv	Catox Out PPMv	Removal Efficiency	Catox In PPMv	Catox Out PPMv	Removal Efficiency
Chloromethane	<0.005	0.31		<0.13	<0.13	
Vinyl Chloride	0.62	0.054	91.29	2	0.14	93.00
1,1-Dichloroethene	0.12	0.022	81.67	0.52	<0.13	
Freon 113	3.6	2.6	27.78	7.5	3.8	49.33
1,1-Dichloroethane	0.37	0.031	91.62	0.96	<0.13	
cis-1,2-Dichloroethene	1.3	0.13	90.00	2.5	0.15	94.00
1,1,1-Trichloroethane	1.2	0.074	93.83	2.5	<0.13	
Benzene	<0.005	0.005		<0.13	<0.13	
Trichloroethene	3.1	0.31	90.00	6.8	0.5	92.65
Toluene	0.006	0.003	50.00	<0.13	<0.13	
Tetrachloroethene	4	1.6	60.00	6.2	1.7	72.58
Ethylbenzene	<0.005	0.001		<0.13	<0.13	
o-Xylene	<0.005	0.001		<0.13	<0.13	
1,2,4-Trimethylbenzene	<0.005	0.002		<0.13	<0.13	
Total VOCs	14.316	5.143	64.08	28.98	6.29	78.30

Research to date

Our Catalyst Director Mr. John Robinson formerly with AlliedSignal and DeGussa has approached Johnson Matthey, Prototech, BASF and Engelhard regarding the data and a possible solution.

Engelhard is the only company, which has any field data/experience with the destruction of CFC's.

Attached is supporting literature for the Engelhard VOCat 360 PFC Oxidation Catalyst

Engelhard catalyst recommendation

Replace the present 2.5 ft3, 400 cell Met-Pro Catalyst with 7.32 ft3, 200 cell (360 PFC) catalyst. The temperature range of the catalyst will remain the same. This catalyst is designed to achieve >95% of the total VOC's including the Freon 113.

Engelhard is also requesting we analyze the current catalyst for any potential poisons or masking agents which may be present before a warranty could be extended on the (360 PFC) catalyst.

Due to the proprietary nature of the catalyst and the lack of commercial applications to date the catalyst is much more capital intense as compared to the existing HDC catalyst.

Engineering review of the Process Equipment

Oxidizer Mechanical Assembly

Due to the increase in catalyst volume the catalyst reactor chamber will require modification. Our preference would be to increase the length of the oxidizer by 12-18", however we can discuss other options if this would create site difficulties. By increasing the catalyst reactor size we will maintain a pressure drop, which will not exceed the current process and combustion air blower requirements.

Scrubber Mechanical Assembly

An additional 4' packed bed section will be added to the scrubber along with a fresh water wash to this section to effectively remove the generated HF.

General Review

We have also reviewed materials of construction compatibility with the fume stream and feel confident the integrity of the system will be maintained, however due to little or no empirical data we can not guarantee long term system integrity.

The following work scope has been compiled along with the projected cost summary for your review. We have also provided for some contingency for material/labor, which may be required.

Cost Summary

Task	Amount
Freight to and from the site	$ 6,000
Catalyst	$49,500
Oxidizer materials	$ 2,000
Scrubber materials	$ 2,700
Shop Labor	$ 8,600
Engineering	$ 5,000
Field Services on site (5 days)	$ 6,000
Analysis of existing catalyst	$ 1,000
Contingency	$ 4,000
	$84,800

Optional construction management for the removal and installation of the system can also be provided upon request.

At the moment we are working on a time line to complete the project requirements and we will forward this information to you on Tuesday February 8th.

Please contact me at 888-285-5940, should you have any questions or require further input.

Regards,

John Strey
Division Manager

Enclosure: Catalyst Information
Technical papers (attached by mail)

Cc: J. Robinson, CCC
G. Brewer, CCC
G. Unke, CCC
R. Corcoran, CCC
M. Ruff, CCC
B. Clifford, AWS

Technology for Air Pollution Control

VOCat® 360 PFC Oxidation Catalyst For Halogenated Hydrocarbons

CHLORINATED/FLUORINATED HYDROCARBONS

Chlorinated and fluorinated hydrocarbons are emitted from a wide variety of industrial processes, as well as many soil remediation and ground water clean-up operations. Engelhard's VOCat 350 HC catalyst has been used successfully for many years to destroy chlorinated hydrocarbons. Engelhard has now developed VOCat 360 PFC catalyst to destroy both fluorinated and chlorinated VOC compounds. Unlike many other catalysts, VOCat 360 PFC provides high activity, excellent selectivity and outstanding stability required for oxidizing fluorinated and chlorinated hydrocarbons.

ACTIVITY

The activity of VOCat 360 PFC is much higher than platinum and transition metal-based catalysts. This activity is exhibited over a wide range of chlorinated and fluorinated hydrocarbons, and especially when both are present in the same process stream. This makes VOCat 360 PFC ideal for most halogenated VOC process streams.

SELECTIVITY

When controlling the emissions of VOC's it is also critical for complete oxidation to prevent the formation of secondary products. VOCat 360 PFC catalyst is very selective over a wide range of chlorinated and fluorinated hydrocarbon species. VOCat 360 PFC catalyst will form primarily CO_2, HCl and HF. The formation of HCl is preferred over Cl_2 because it is easy to scrub, and HF and HCl have a minimal effect on catalyst life.

TYPICAL PROCESS APPLICATIONS

VOCat 360 PFC is ideally suited for a wide variety of applications, including:

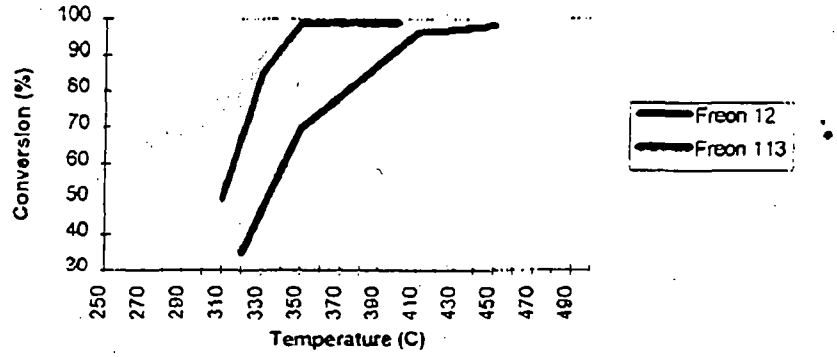
- Chemical processes
- Soil remediation
- Groundwater treatment

TYPICAL OPERATING SPECIFICATIONS

Temperature Range	850°F to 950°F (45°C to 510°C)
Cell Geometry	100 to 400 cpsi
Performance	Up to 99+%

Figure 1

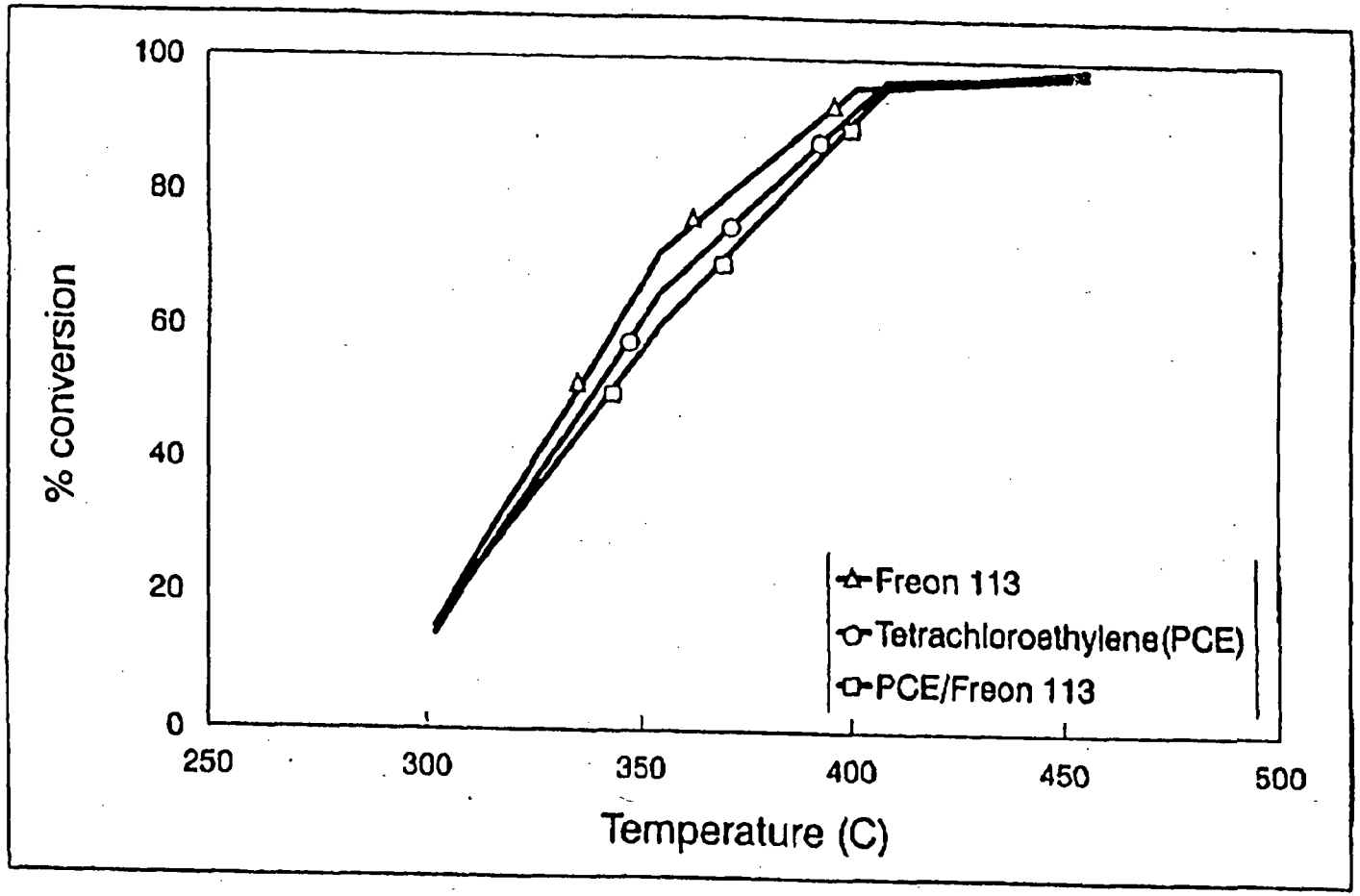
Oxidation Of Fluorohydrocarbons With *VOCat 360 PFC*



ENGELHARD

Change the nature of things.

Effect Of Halocarbons VOCat 350HC



100001/HSV, 250 ppm Freon, 250 ppm PCE, 1.5% water

ENGELHARD
PROCESS EMISSION SYSTEMS

AIR TOXICS

CATALYST TECHNOLOGY UPDATE:

Halocarbon Destruction Catalysts Provide Improved Durability.

Experience Demonstrates Effectiveness of Catalytic Technology.

With the passage of Title III of the Clean Air Act Amendments in 1990, 189 air toxics – hazardous air pollutants that, according to the U.S. EPA, cause 1000 to 3000 cancer deaths per year in the U.S. and that require control – were identified. Of these, 154 compounds can be catlytically oxidized (Table 8) including many that contain halogens, such as chlorine, fluorine or bromine.

TABLE 8
HAZARDOUS VOCs

Acetaldehyde	Chlordane	Dimethyl aminoazobenzene	Ethylidene dichloride (1,1-Dichloroethane)	Methyl isocyanate	Styrene oxide
Acetamide	Chloroacetic acid	3,3-Dimethyl benzidine	Formaldehyde	Methyl methacrylate	2,3,7,8-Tetrachlorodibenzo-p-dioxin
Acetonitrile	2-Chloroacetophenone	Dimethyl carbamoyl chloride	Heptachlor	Methyl tert butyl ether	1,1,2,2-Tetrachloroethane
Acetophenone	Chlorobenzene	Dimethyl formamide	Hexachlorobenzene	4,4-Methylenedianiline	Tetrachloroethylene (Perchloroethylene)
2-Acetylaminofluorene	Chlorobenzilate	1,1-Dimethyl hydrazine	Hexachlorobutadiene	Naphthalene	Toluene
Acrolein	Chloroform	Dimethyl phthalate	Hexachlorocyclopentadiene	Nitrobenzene	2,4-Toluene diamine
Acrylamide	Chloromethyl methyl ether	4,6-Dinitro-o-cresol	Hexachloroethane	4-Nitrobiphenyl	2,4-Toluene diisocyanate
Acrylic acid	Chloroprene	2,4-Dinitrophenol	Hexamethylene-1,6-diisocyanate	4-Nitrophenol	o-Toluidine
Acrylonitrile	Cresols/Cresylic acid (isomers & mixture)	2,4-Dinitrotoluene	Hexane	2-Nitropropane	Toxaphene (chlorinated camphene)
Allyl chloride	o-Cresol	1,4-Dioxane (1,4-Diethyleneoxide)	Hydrazine	N-Nitroso-N-methylurea	1,2,4-Trichlorobenzene
4-Aminobiphenyl	m-Cresol	1,2-Diphenylhydrazine	Hydroquinone	N-Nitrosodim ethylamine	1,1,2-Trichloroethane
Aniline	p-Cresol	Epichlorohydrin (1-Chloro-2,3- epoxypropane)	Isophorone	N-Nitrosomorpholine	Trichloroethylene
o-Anisidine	Cumene	1,2-Epoxybutane	Lindane (all isomers)	Pentachlorophenol	2,4,5-Trichlorophenol
Benzene (including from gasoline)	DDE (Dichlorodiphenyldichloroethylene)	Ethyl acrylate	Maleic anhydride	Phenol	2,4,6-Trichlorophenol
Benzidine	Diazomethane	Ethyl benzene	Methanol	p-Phenylenediamine	Triethylamine
Benzotrichloride	Dibenzofurans	Ethyl carbamate (Urethane)	Methoxychlor	Phosgene	Trifluralin
Benzyl chloride	1,2-Dibromo-3-chloropropane	Ethyl chloride (Chloroethane)	Methyl bromide (Bromomethane)	Phthalic anhydride	2,2,4-Trimethylpentane
Biphenyl	Dibutylphthalate	Ethylene dibromide (Dibromoethane)	Methyl chloride (Chloromethane)	Polychlorinated biphenyls (Aroclors)	Vinyl acetate
Bis(2-ethylhexyl) phthalate(DEHP)	1,4-Dichlorobenzene(p)	Ethylene dichloride (1,2-Dichloroethane)	Methyl chloroform (1,1,1-Trichloroethane)	1,3-Propane sultone	Vinyl bromide
Bis(chloromethyl)ether	3,3-Dichlorobenzidene	Ethylene glycol	Methyl ethyl ketone (2-Butanone)	beta-Propiolactone	Vinyl chloride
Bromoform	Dichloroethyl ether (Bis(2-chloroethyl) ether)	Ethylene imine (Aziridine)	Methyl hydrazine	Propionaldehyde	Vinylidene chloride (1,1-Dichloroethylene)
1,3-Butadiene	1,3-Dichloropropene	Ethylene oxide	Methyl iodide (Iodomethane)	Propoxur (Baygon)	Xylenes (isomers and mixture)
Caprolactam	Dichlorvos	Ethylene thiourea	Methyl isobutyl ketone (Hexone)	Propylene dichloride (1,2-Dichloropropane)	o-Xylenes
Captan	Diethanolamine			Propylene oxide	m-Xylenes
Carbaryl	N,N-Diethyl aniline (N,N-Dimethylaniline)			1,2-Propylenimine (2-Methyl aziridine)	p-Xylenes
Carbon disulfide	3,3-Dimethoxybenzidine			Quinoline	
Carbon tetrachloride				Quinone	
Carbonyl sulfide				Styrene	
Catechol					

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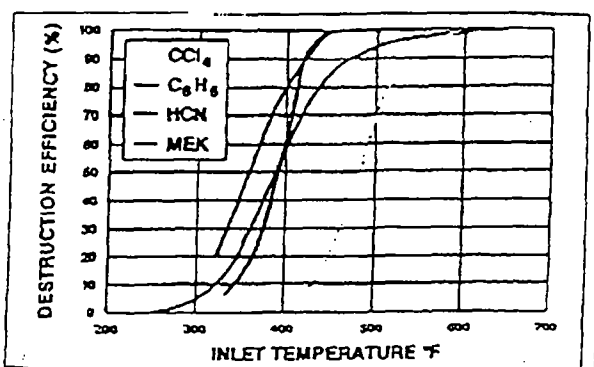
Catalyst technology, unavailable in 1977 when Congress first addressed toxic pollutants, can now be used to destroy organic compounds containing halogens. Older catalysts would be quickly inhibited ("poisoned") by even small halogen concentrations; the new halocarbon destruction catalysts are durable, providing many years of service even in applications where high concentrations of halocarbons are present.

Data Show Greater Efficiency of Catalytic Conversion

The 189 air toxics identified in the 1990 Clean Air Act can be organized into four chemical families: hydrocarbons such as benzene; halocarbons such as carbon tetrachloride; nitrogen compounds such as hydrogen cyanide and amines; and oxygen compounds such as ethylene oxide and ketones. For each of these families, destruction efficiency as high as 99.9% is achievable with catalytic technology. Figure 11 shows destruction efficiency for a representative member of each of the four families, as a function of temperature.

FIGURE 11
DESTRUCTION OF AIR TOXICS



The results are impressive. At about 440°F catalytic oxidation achieves better than 99% destruction of benzene; carbon tetrachloride is destroyed at approximately 610°F. Hydrogen cyanide is destroyed at 480°F and methyl ethyl ketone (MEK) is destroyed at 600°F. By contrast, to achieve comparable levels of destruction efficiency – 99% - using thermal incineration, considerably greater energy would be needed. This is shown in Table 9.

TABLE 9
CATALYTIC vs. THERMAL
Oxidation Temperatures (^{0}F), 99% Destruction

	Catalytic	Thermal
Benzene	440	1460
Carbon TET	610	1430
MEK	600	1780
Cyanide	480	1800

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Thermal incineration would also require much greater residence time. Table 10 illustrates the [illegible] difference. It shows that 0.24 seconds (less than ¼ second) residence time is needed to achieve 99% conversion using catalytic technology: by contrast, thermal incineration of benzene, carbon tetrachloride, and methyl ethyl ketone all take one second residence time, four times as long. This also means that thermal incineration would require a reactor four times the size of a corresponding catalytic converter, with correspondingly higher cost. For thermal incineration of hydrogen cyanide, even greater residence time is needed: 1.5 seconds. A reactor six times the size of a comparable catalytic reactor would be needed to achieve comparable hydrogen cyanide destruction levels, again with comparably higher cost.

TABLE 10

CATALYTIC vs. THERMAL
Residence Time (Seconds), 99% Destruction

	Catalytic	Thermal
Benzene	0.24	1.0
Carbon TET	0.24	1.0
MEK	0.24	1.0
Cyanide	0.24	1.5

Air Toxic Case Studies

STUDY 1:
Cost – Effective Destruction of Trichloroethylene Emission from Soil Venting

Catalytic oxidation has been used with high effectiveness for the destruction of Trichloroethylrne (TCE) at a former military site located in the South Coast Air Quality Management District in Southern California. In this application, the initial TCE concentration from a soil venting unit was 4,000 parts per million by volume.

The catalytic oxidizer, with a 200 SCFM flow rate over a halocarbon destruction catalyst, had a TCE destruction efficiency of greater than 99%. In its first 150 days of operation, 20,000 pounds of TCE was catalytically oxidized. By the end of the first year, 40,000 pounds of TCE had been destroyed.

In this soil venting application, catalytic control proved far less expensive than a possible alternative, carbon adsorption. Estimates indicated that for this alternative, seven pounds of carbon would be required for each pound of TCE adsorbed. At an estimated $2.00 per pound, the carbon material required to adsorb 20,000 pounds of TCE would have cost $280,000. Additional costs would have been required for disposal of the contaminated carbon.

The operating cost for the catalytic destruction of TCE consisted of fuel and neutralizer for the HCL (hydrochloric acid) absorbed. Assuming $5.00 per million BTU, fuel cost for this application was approximately $2,635 – about one percent of the estimated $280,000 cost for the carbon adsorption alternative.

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Thermal incineration for this application would have generated equally dramatic cost differences. [illegible] technology, for example, would be required for a source having an exhaust floe rate of 40,000 SCFM, containing 1000 parts per million by volume of benzene. With 70% heat exchange, the cost for fuel to operate a thermal incinerator for such a source would be $444,000 to provide the necessary 1,460°F for 99% combustion. By comparison, fuel cost to achieve 99% destruction using catalytic oxidation in the same application would be approximately $48,000 per year. Catalyst replacement cost would also be a factor, but for a clean system, the catalyst would last well in excess of three years. Even with periodic catalyst replacement, the total operating cost for catalyst oxidation would be roughly one-fourth the operating cost for thermal incineration.

STUDY 2:
Catalytic Control of the Products of Incomplete Combustion (PICs)

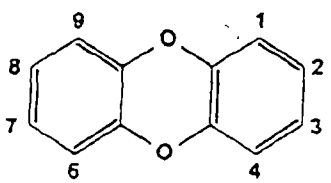
Polychlorinated dioxins and furans are extremely toxic compounds that are formed in thermal incineration processes where chlorinated compounds are present. In municipal solid waste incinerators and medical waste incinerators, dioxins and furans are normally formed and emitted with the exhaust.

Dioxins and furans are part of a larger group of toxins commonly referred to as products of incomplete combustion, or PICs. Because catalytic oxidation occurs at much lower temperatures than thermal incineration, PICs are not created when chlorinated exhaust streams are catalytically oxidized. In fact, catalysts are used to destroy PICs.

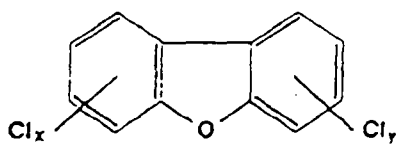
Northern European nation, including Germany and more recently Sweden, Austria and Switzerland, have adopted the world's toughest emission standards for dioxin and furan emissions from incineration processes: 0.1 nanogram toxic equivalents per cubic meter. In order to meet this standard, European municipal and medical waste incinerators may need to install catalytic oxidizers to remove the PIC emissions.

Given the very toxic nature of these compounds, safer substitutes are used for laboratory testing. The chemical structures of polychlorinated dioxins and furans are shown in Figure 12; in essence they are a pair of chlorinated benzene molecules connected by oxygen atoms. In the laboratory, the safer compound commonly used to simulate dioxins and furans is ortho-dichlorobenzene; its structure, shown in Figure 13, shows how ortho-dichlorobenzene is used to represent the right-hand and left-hand portions of the dioxin molecule. The oxygen bonds are the easiest part of the compound to oxidize; if a catalyst can destroy ortho-dichlorobenzene, we may assume it will be able to destroy dioxin.

FIGURE 12
POLYCHLORINATED DIOXINS/FURANS

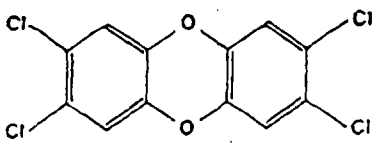


Dibenzo-p-dioxin

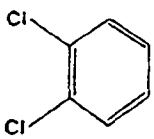


Polychlorodibenzofurans

FIGURE 13
DIOXIN SURROGATE



2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin



o-Dichlorobenzene

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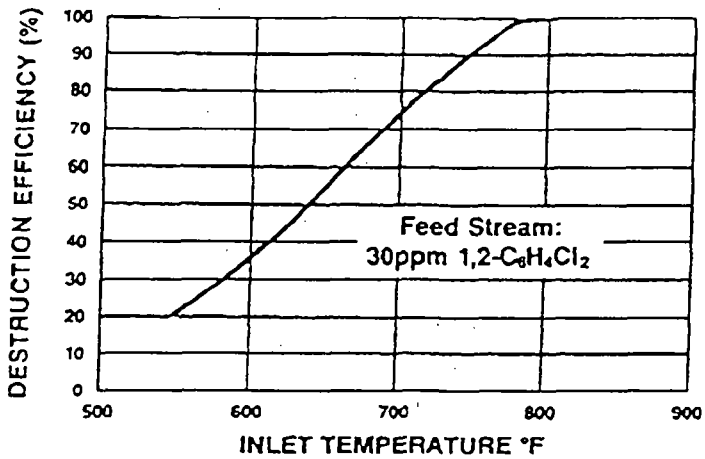
Figure 14 shows that at 750°F, more than 99% of 1, 2 Dichlorobenzene can be destroyed catalytically. An independent test laboratory, chosen to analyze the exhaust from a catalytic oxidation site for [illegible], reported the results shown in Table 11. For an inlet concentration of organic chloride in excess of 12,000 parts per million, actual dioxin and furan concentrations after catalytic removal were measured at one thousand nongram toxic equivalents per cubic meter, or about one-hundredth of the European standard.

FIGURE 14

DESTRUCTION OF DICHLOROBENZENE



Catalytic oxidation technology continues to evolve. We anticipate further improvements in the performance of existing catalysts and discoveries of new materials that will display significant catalytic performance. By comparison with alternative technologies, catalytic oxidation offers significant cost and operational advantages; we expect these, too, to increase as catalytic oxidation technology evolves in the coming years.

TABLE 11

TEST RESULTS - PIC DESTRUCTION

(High Resolution Analysis)

PIC	Emissions ng T.E.M^3
Furans	0.0000038
Dioxins	0.00104
Total Measured	0.00104
European Standard	0.1

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CATALYTIC COMBUSTION CORPORATION

CATALYTIC DESTRUCTION OF CHLORINATED ORGANICS INCLUDING PCDD'S/PCDF'S IN FLUE GAS FROM WASTE INCINERATORS

I. M. Freidel

Tulsa, Oklahoma

ABSTRACT

Advantages of catalytic oxidation over traditional methods for the destruction of halogenated organics are outlined. A family of catalysts was developed for the complete destruction of volatile halogenated organics including PCDD's and PCDF's. Laboratory test results as well as field data illustrating performance and durability of the catalyst under a variety of conditions are presented. Preliminary results of a catalyst specifically developed for dioxin destruction in municipal and hazardous waste incinerators are also presented.

INTRODUCTION

Catalytic oxidation of halogenated organics offers a number of advantages over traditional methods of destruction or removal of these compounds, such as thermal incineration or carbon adsorption. The lower temperatures and shorter residence times required for catalytic oxidation as compared to thermal oxidation translate into lower capital and operating cost, due to smaller reactor size and the use of less expensive operating temperatures. Complete catalytic destruction minimizes the risk of formation of products of incomplete combustion (PIC's), such as carbon monoxide (CO), and the production of nitrogen oxides (NO_x) is much lower at the temperatures required for catalytic oxidation. Catalytic oxidation offers significant cost savings compared to carbon adsorption and eliminates the need to regenerate or dispose of potentially hazardous spent carbon.

The performance of conventional precious metal catalysts is severely inhibited in the presence of halogens, and fluidized bed catalytic oxidizers depend on the continuous attrition of the halogen-laden external catalyst surface.

For the above reasons, a family of halohydrocarbon destruction catalysts (HDC) was developed for the complete destruction of volatile halogenated organic compounds.

CATALYST DESCRIPTION

This proprietary halohydrocarbon destruction catalyst has been prepared and tested in monolithic and pelleted form, and its performance has been compared to base metal catalysts (1).

The monolithic catalysts tested in the laboratory were prepared by washcoating ceramic honeycomb supports with either the HDC formulation or with a state-of-the-art chromia-alumina catalyst powder.

ACTIVITY TEST

The schematic flow diagram of the laboratory activity test apparatus used in the tests is shown in Fig. 1.

The test gas mixture is generated by carefully metering gas streams and saturating some of the streams with water and liquid hydrocarbons. The reactor feed mixture can be analyzed before or after it has passed through the catalytic reactor.

Chlorohydrocarbons are analyzed with a heated flame ionization detector, CO and CO_2 with non-dispersive infrared analyzers. Scrubbers are used to trap inorganic chlorides for titrimetric analysis. The activity test is performed by heating the catalyst to a temperature that results in 99% destruction of the organic. The temperature is then reduced at a rate of 4°C per minute, while the degree of destruction is monitored continuously.

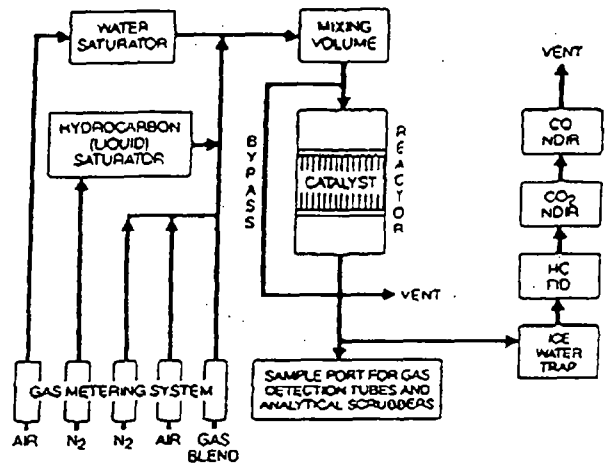

Fig. 1. Schematic diagram of laboratory activity test apparatus.

The reactor is designed to limit temperature gradients across the catalyst bed to less than 5°C. A diagram of the test reactor is shown in Fig. 2.

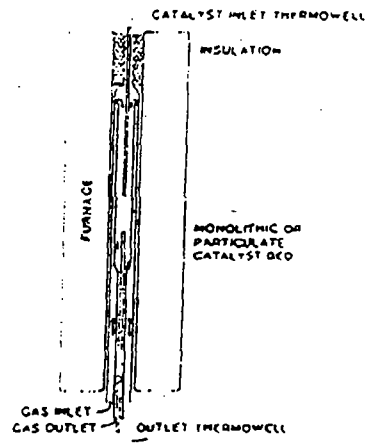

Fig. 2. Diagram of quartz activity test reactor.

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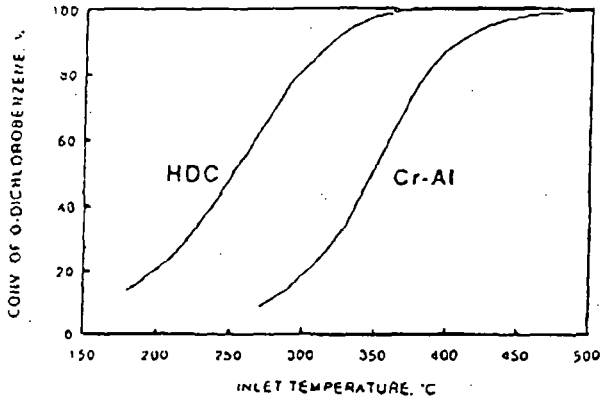


Fig. 7. Destruction of o-Dichlorobenzene over the HDC and over Cr-Al.

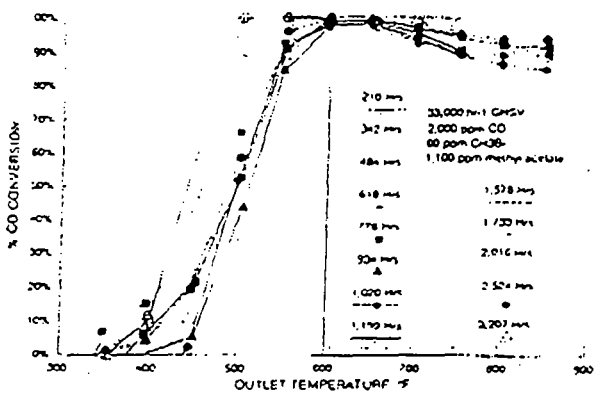
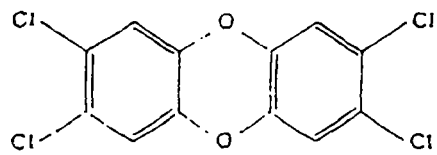


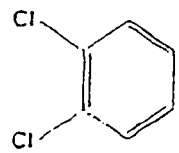
Fig. 8. Aging study HDC-2 catalyst.

to the portion of 2,3,7,8-TCDD that is the most difficult to destroy by catalytic oxidation, and was chosen as a simulant for 2,3,7,8-TCDD in our laboratory tests. Figure 9 shows the structure of 2,3,7,8-TCDD and o-dichlorobenzene.

Based on the excellent results for o-dichlorobenzene (Fig. 7), a dioxin destruction catalyst (DDC) was formulated as a 4.2 mm pitch monolithic catalyst. This geometry was chosen as it is common in SCR catalysts used for NO_x reduction in exhausts from municipal waste incinerators. When tested in the laboratory for durability, the catalyst showed no deactivation through 150 hours of use at 350°C.



2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin



o-Dichlorobenzene

Fig. 9. Dioxin surrogate.

SCR catalyst has been reported to yield reductions on the order of 80% of dioxin emissions from municipal waste incinerators (3). It has not been demonstrated, however, that the dioxins are completely converted to CO_2 and HCl across the SCR catalyst.

When a SCR catalyst and the DDC catalyst were tested for the destruction of o-dichlorobenzene, it was found that the DDC catalyst showed higher efficiency, i.e. 72% vs 42% destruction efficiency at 400°C and 15,000 hr^{-1}. In addition, when CO_2 was measured in the catalyst effluent, the mass balance showed that only about 50% of the carbon present was converted to CO_2 across the SCR catalyst. This compares to virtually 100% conversion across the DDC catalyst. The results from this test are shown in Fig. 10.

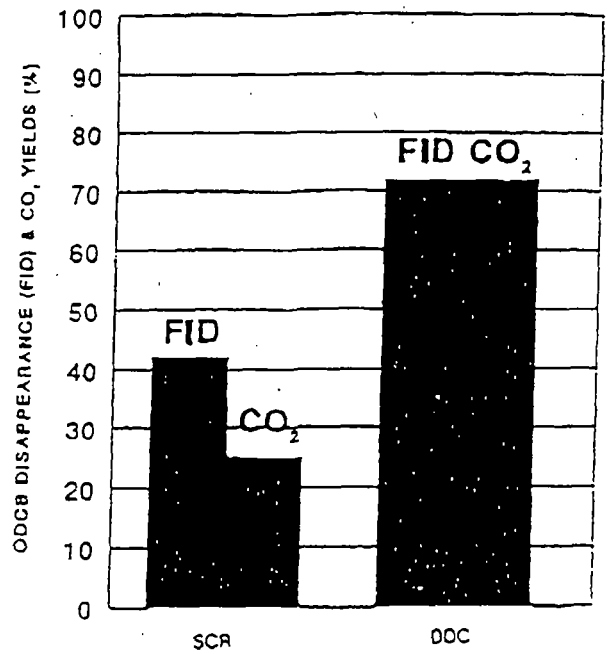


Fig. 10. Comparison of SCR catalyst and DDC for the Destruction of Dichlorobenzene 400°C/30 ppmv ODCB/15,000 GHSV/12% O_2/2.5% H_2O.

These results indicate that potentially hazardous products of incomplete combustion (PIC's) are being formed in significant quantities across the SCR catalyst. Reasons for the difference in performance of the two catalysts are currently being investigated.

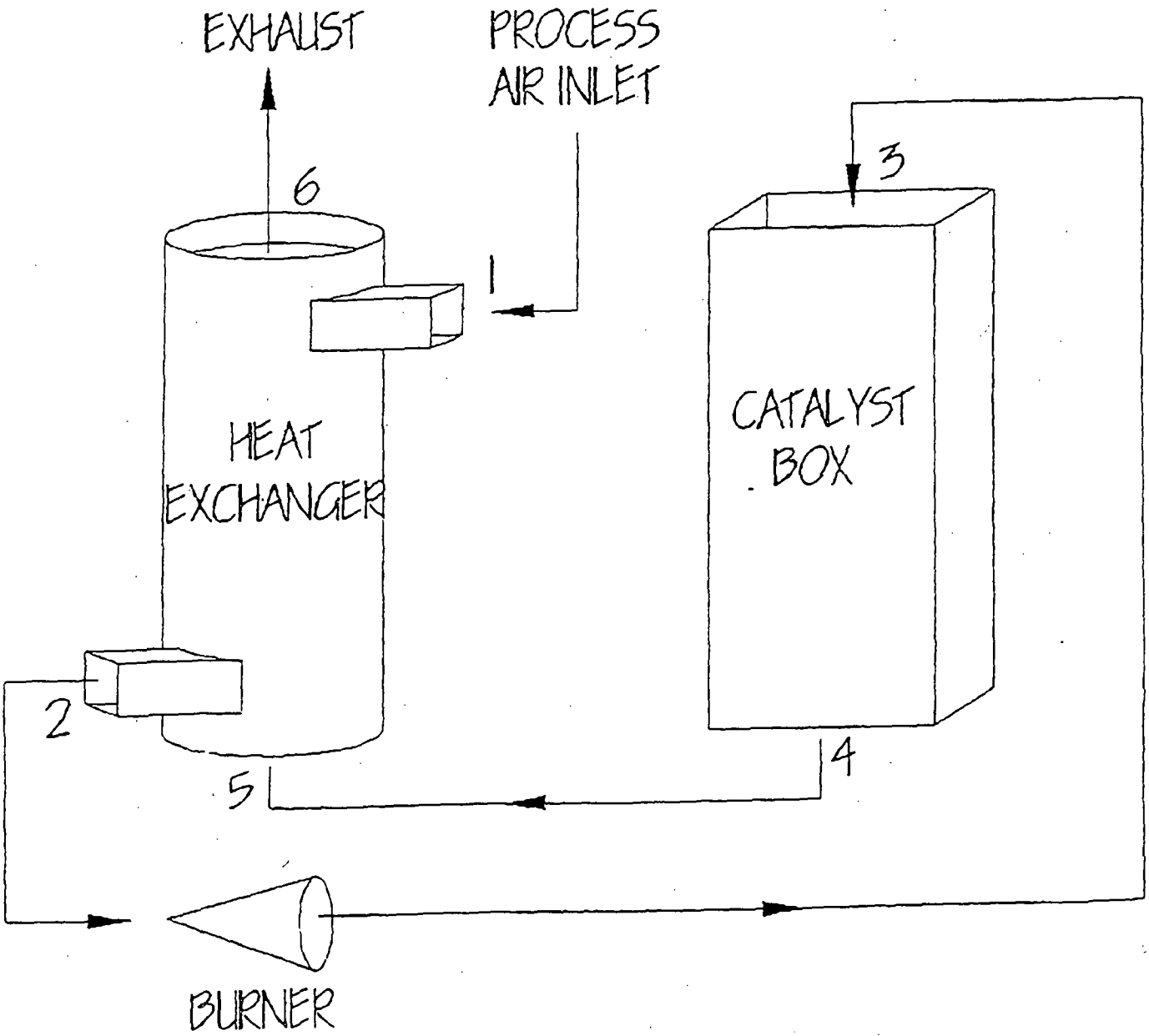
FIELD PERFORMANCE RESULTS

HDC catalyst was first installed in a commercial application in August, 1990 (4). HDC type catalysts have been supplied for several commercial process applications, including soil remediation processes and purification of chemical process exhausts since then. Destruction efficiencies of 95% and better have been achieved continuously.

The catalyst effluent from a soil remediation project designed to destroy trichloroethylene by catalytic oxidation

Self Recuperative Catalytic Oxidizer (SRCO)

Process Representation



DAYTON THERMAL PRODUCTS

Environmental Summary

The Dayton Thermal Products facility is located in a mixed industrial / residential area in Dayton, Ohio. The property was first developed in 1907 as an automobile manufacturing facility. Portions of the current plant site were used for manufacturing by Maxwell Motor Car Company, Incorporated as early as 1915. This site is located on approximately 60 acres and contains over 1.3 million square feet of building space. The subsurface generally consists of sand and gravel to a depth of approximately 85 feet and is underlain by stiff clay (till). Beneath the till is another sand and gravel aquifer.

Historical manufacturing processes at the plant utilized various chemicals and solvents. Previous construction / expansion required special handling of impacted soils removed from areas of excavation. Some soil and ground water issues have been identified and are being addressed.

The facility is considered a large quantity generator (LQG) and operates in compliance with applicable environmental regulations. An industrial waste water treatment facility is operated by the facility with discharges under permit to the City of Dayton sanitary sewer. Non-contact cooling water and storm water is discharged to the Great Miami River under an Ohio NPDES permit.

ENVIRONMENT

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Environment

Portions of the current plant site have been used for manufacturing since Maxwell Motors in 1915.

1985 - ~~An investigation of the~~ historical manufacturing process used at the plant ~~revealed a significant prior use of solvents.~~ utilized various chemicals and solvents.

Construction for a building expansion in 1993 ~~uncovered ground contaminants that required~~ included special on-site ~~decontamination~~ handling of the soil removed from the construction site.

Current excavation for installation of new presses also revealed some soil contamination.

A phase II environmental study including significant core sample testing would be required prior to divestiture to determine base line conditions.

Any buyer would require a Chrysler environmental indemnification as a condition of a sale.

- MIAMI RIVER
- HISTORY

Remediation Site Summary

Site Summary for Dayton Thermal

Site Code: SC001
Project Manager: Gary Stanczuk
Supervisor: Greg M. Rose
Legal Manager: M.W. Grice
Site Address: 1600 Webster Street, P.O. Box 1205
Site City: Dayton **State:** OH **Zip:** 45401

Site Background:

The Dayton Thermal Products facility is located in a mixed industrial/residential area in Dayton, Ohio. The property was first developed in 1907 as an automobile manufacturing facility. Chrysler purchased the property in 1936. This site is located on approximately 60 acres and contains over 1.3 million square feet of building space. The subsurface generally consists of sand and gravel to a depth of approximately 85 feet and is underlain by a stiff clay (till). Beneath the till is another sand and gravel aquifer.

While performing construction activities in Building 40B during November 1987, a liquid began to seep into the excavation. Analysis of the liquid indicated the presence of chlorinated solvents (VOCs). In November 1989, VOCs were detected in an onsite 79-foot deep water-supply well which provides cooling water for the powerhouse equipment. Subsequent plant-wide drilling programs have delineated the vertical extent of impacted soils and ground water beneath the site. No offsite drilling has been conducted, therefore, the horizontal extent of contamination is unknown. One source area is believed to be an old solvent tank which was present along the east wall of Building 40B. The impacted soils and ground water are restricted to the upper 85 feet above the till layer.

Issues:

Building 40B Excavation Oversite

LBG services for planning, bidding, contracting, field supervision, and oversite of the environmental issues related to the excavation and handling of hazardous and non-hazardous soils.

Building 40B Excavation Subcontractor

Includes hazardous waste subcontractor performance of construction excavation, vapor control implementation, handling, storage, and disposal of hazardous and non-hazardous waste.

Building 40B System Design and Installation

This includes LBG services to conduct a focused feasibility study of remedial options (considering the results of the planned SVE/AS pilot test activities), system design, and system installation. It is likely that this will need to be a fast-track task to take advantage of the planned shutdown of this area of the plant for press installation. If the system is not installed during this time frame, future source area remediation would have to be conducted with this area of the plant operational.

Additional Hydrogeological Investigation

Dependent on the results of plant-wide ground-water sampling conducted in January 1998, LBG anticipates that additional hydrogeological investigation activities will be likely. Anticipated activities include detailed review of historical infrastructure and solvent use at the plant, extensive geoprobing to identify the existence and/or location and extent of subsurface source areas, possible onsite and offsite drilling and well installation, legal issues, aquifer testing, surveying, and standard laboratory analytical services, and specialized natural attenuation sampling and analysis.

Individual Source Area Remediations

This is dependent on the actual number, location, size, and magnitude of individual impacted source areas that might be identified during additional investigation activities.

Ground-Water Remediation

Given the size, magnitude, and content of the identified ground-water plume at the plant, LBG anticipates that ground-water remediation system selection, design, and installation are likely. This assumes UVB recirculation wells (or similar systems) will be required to effectively capture and remediate the chlorinated solvent plumes documented to exist at the plant.

Soil Piles

Should the decision be made to remove two large soil piles (40,000 cubic yards or more?) currently at the plant, a systematic sampling and analysis of soil quality would be necessary prior to disposal. Soil and groundwater impact with chlorinated VOC's

Strategy/Goals:

Perform associated tasks outlined in the above "Issues" section.

ASSOCIATED DOCUMENTS

Created By: Sharon Franzen	**Edited By:** Gary M Stanczuk
Date Created: 10/27/95	**Last Edited:** 02/13/98