1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-1RA62

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/20/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKWL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Lab File ID: WG24396-2A62_TC3 Lab Sample ID: WG24396-2

Date Analyzed: 05/21/03 Time Analyzed: 1254

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: 5973HP62

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VWLLCS	WG24396-5	WG24396-5A62	1329
02	M1P-54-25	S2974-9	S2974-9DA62	1357
03	M1P-13-70	S2974-10	S2974-10DA62	1424
04	VIBLKAA	VIBLKAA	CB030521A62	1518
05	M1P-13-70DL	S2974-10	S2974-10D2A6	1613
06	M1P-13-50	S2974-11	S2974-11DA62	1640
07	M1P-13-25	S2974-12	S2974-12DA62	1707
08	M1P-60-60	S2974-13	S2974-13DA62	1734
09	M1P-60-25	S2974-15	S2974-15A62	1829
10	M1P-66-70	S2974-16	S2974-16A62	1856
11	M1P-66-25	S2974-18	S2974-18A62	1951
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV VOA

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWL

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-2A62_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3		U
75-09-2	Methylene Chloride	0.5	0.1	J
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5	0.06	J
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWL

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24396-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24396-2A62_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/21/03

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKWO

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Lab File ID: WG24398-2R73_TC3 Lab Sample ID: WG24398-2

Date Analyzed: 05/22/03 Time Analyzed: 1033

GC Column: ZB-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: 5972HP73

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VWOLCS	WG24398-5	WG24398-5RA7	1152
02	M1P-60-45	S2974-14	S2974-14DA73	1631
03	M1P-66-55	S2974-17	S2974-17RA73	1658
04	M1P-22-69	S2974-19	S2974-19DA73	1724
05	M1P-22-69DUP	S2974-20	S2974-20DA73	1751
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV VOA

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWO

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-2R73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl Chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5		U
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	1	J
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
78-93-3	2-butanone	3		U
67-66-3	Chloroform	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	0.5		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
108-38-3	m,p-Xylene	1		U
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKWO

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: S2974

Matrix: (soil/water) WATER Lab Sample ID: WG24398-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG24398-2R73_TC3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/22/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.5		U
1330-20-7	Xylene (total)	0.5		U

FORM I VOA 8260B

Lancaster Laboratories
Where quality is a science.

EPA Region 5 Records Ctr.
350005

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 817262. Samples arrived at the laboratory on Thursday, August 01, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
11-S Tedlar Bag Grab Air Sample	3869086
J-8/9-S Tedlar Bag Grab Air Sample	3869087
K-6/5-S Tedlar Bag Grab Air Sample	3869088
K-7/6-S Tedlar Bag Grab Air Sample	3869089
K-2/3-S Tedlar Bag Grab Air Sample	3869090
K-7/8-S Tedlar Bag Grab Air Sample	3869091
I-3-S Tedlar Bag Grab Air Sample	3869092
K-6-7 Tedlar Bag Grab Air Sample	3869093
JK-3-S Tedlar Bag Grab Air Sample	3869094
K-6/7-S Tedlar Bag Grab Air Sample	3869095
K-1-S Tedlar Bag Grab Air Sample	3869096
K-8/9-S Tedlar Bag Grab Air Sample	3869097

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

Lancaster Laboratories
Where quality is a science

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

Respectfully Submitted,

Michele M. Turner
Manager

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869086

Collected:07/31/2002 11:50 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
11-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

11-S- SDG#: DCK25-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/02/2002 19:12	George M Main	2.5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 18:29	George M Main	20
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 19:12	George M Main	2.5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: 11-S- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869086 Date Analyzed: 08/02/02 Time Analyzed: 19:12
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\0801008.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.10	7	J D
64-17-5	Ethanol	9.51	37	J D
67-63-0	Isopropyl Alcohol	10.85	44	J D
107-83-5	Pentane, 2-methyl-	11.21	17	J D
	Unknown aliphatic hydrocarbon	20.45	19	J D
	Unknown aliphatic hydrocarbon	21.63	25	J D
127-19-5	Acetamide, N,N-dimethyl-	24.76	6	J D
	Unknown aliphatic hydrocarbon	26.24	6	J D
	Unknown aliphatic hydrocarbon	26.48	18	J D
	Unknown aliphatic hydrocarbon	27.44	13	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 11-S- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869086 Date Analyzed: 08/02/02 Time Analyzed: 19:12
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG02\0801008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	0.6	J D
75-71-8	Dichlorodifluoromethane	4	D
75-45-6	Chlorodifluoromethane	3	U
76-14-2	Freon 114	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-43-4	Dichlorofluoromethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
109-66-0	Pentane	2	J D
107-02-8	Acrolein	5	D
75-35-4	1,1-Dichloroethene	0.5	U
76-13-1	Freon 113	1	U
67-64-1	Acetone	24	D
74-88-4	Methyl Iodide	0.5	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	1	U
107-05-1	3-Chloropropene	1	U
75-09-2	Methylene Chloride	3	D
75-65-0	tert-Butyl Alcohol	0.5	U
107-13-1	Acrylonitrile	1	U
156-60-5	trans-1,2-Dichloroethene	1	J D
1634-04-4	Methyl t-Butyl Ether	0.5	U
110-54-3	Hexane	4	D
75-34-3	1,1-Dichloroethane	1	J D
108-05-4	Vinyl Acetate	0.5	U
156-59-2	cis-1,2-Dichloroethene	31	D
78-93-3	2-Butanone	18	D
141-78-6	Ethyl Acetate	0.5	U
96-33-3	Methyl Acrylate	0.5	U
67-66-3	Chloroform	5	D
71-55-6	1,1,1-Trichloroethane	8	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 11-S- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869086 Date Analyzed: 08/02/02 Time Analyzed: 19:12
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\0801008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	0.9	J D
142-82-5	Heptane	1	J D
79-01-6	Trichloroethene	610	D
140-88-5	Ethyl Acrylate	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
80-62-6	Methyl Methacrylate	0.5	U
74-95-3	Dibromomethane	0.5	U
123-91-1	1,4-Dioxane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-10-1	4-Methyl-2-Pentanone	1	U
108-88-3	Toluene	29	D
111-65-9	Octane	2	J D
10061-02-6	trans-1,3-Dichloropropene	0.5	U
97-63-2	Ethyl Methacrylate	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	880	D
591-78-6	2-Hexanone	1	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	4	D
1330-20-7	m/p-Xylene	16	D
95-47-6	o-Xylene	6	D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	0.5	U
98-82-8	Cumene	0.6	J D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 11-S- Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869086 Date Analyzed 08/02/02 Time Analyzed: 19:12
Injection Volume: 100 cc Nominal Volume· 250 cc Dilution Factor: 2.5
Instrument ID. HP4224 Lab File ID: C.\HPCHEM\1\DATA\AUG02\0801008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	4	D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	6	D
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
100-44-7	Benzyl chloride	0.5	U
95-50-1	1,2-Dichlorobenzene	1	U
67-72-1	Hexachloroethane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869087

Collected:07/31/2002 12:20 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
J-8/9-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

J8-9S SDG#: DCK25-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/02/2002 19:56	George M Main	12
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/02/2002 20:39	George M Main	2
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 19:56	George M Main	12
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 20:39	George M Main	2

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: J8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869087 Date Analyzed: 08/02/02 Time Analyzed: 20:39
Injection Volume: 125 cc Nominal Volume: 250 cc Dilution Factor: 2.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1001010.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
64-17-5	Ethanol	9.51	14	J D
67-63-0	Isopropyl Alcohol	10.84	21	J D
	Unknown aliphatic hydrocarbon	24.30	8	J D
	Unknown siloxane	24.43	7	J D
108-94-1	Cyclohexanone	24.56	10	J D
	Unknown aliphatic hydrocarbon	25.71	7	J D
	Unknown aliphatic hydrocarbon	26.23	21	J D
	Unknown aliphatic hydrocarbon	26.49	14	J D
	Unknown aliphatic hydrocarbon	26.70	16	J D
	Unknown aliphatic hydrocarbon	27.44	9	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: J8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID· 3869087 Date Analyzed 08/02/02 Time Analyzed: 20:39
Injection Volume: 125 cc Nominal Volume 250 cc Dilution Factor: 2.0
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\AUG02\1001010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	3	D
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	60	D
76-14-2	Freon 114	0.4	U
74-87-3	Chloromethane	0.4	U
75-01-4	Vinyl Chloride	0.4	U
106-99-0	1,3-Butadiene	2	U
74-83-9	Bromomethane	0.4	U
75-00-3	Chloroethane	0.4	U
75-43-4	Dichlorofluoromethane	0.4	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	2	J D
107-02-8	Acrolein	5	D
75-35-4	1,1-Dichloroethene	14	D
76-13-1	Freon 113	11	D
67-64-1	Acetone	22	D
74-88-4	Methyl Iodide	0.4	U
75-15-0	Carbon Disulfide	6	D
75-05-8	Acetonitrile	1	U
107-05-1	3-Chloropropene	1	U
75-09-2	Methylene Chloride	3	D
75-65-0	tert-Butyl Alcohol	0.4	U
107-13-1	Acrylonitrile	1	U
156-60-5	trans-1,2-Dichloroethene	7	D
1634-04-4	Methyl t-Butyl Ether	0.4	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	53	D
108-05-4	Vinyl Acetate	0.4	U
156-59-2	cis-1,2-Dichloroethene	85	D
78-93-3	2-Butanone	16	D
141-78-6	Ethyl Acetate	0.4	U
96-33-3	Methyl Acrylate	0.4	U
67-66-3	Chloroform	3	D
71-55-6	1,1,1-Trichloroethane	370	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: J8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID. 3869087 Date Analyzed: 08/02/02 Time Analyzed: 20:39
Injection Volume· 125 cc Nominal Volume: 250 cc Dilution Factor: 2.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1001010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q	
56-23-5	Carbon Tetrachloride	0.4	U	
107-06-2	1,2-Dichloroethane	0.4	U	
71-43-2	Benzene	2		D
540-84-1	Isooctane	0.5	J	D
142-82-5	Heptane	0.6	J	D
79-01-6	Trichloroethene	240		D
140-88-5	Ethyl Acrylate	0.4	U	
78-87-5	1,2-Dichloropropane	0.4	U	
80-62-6	Methyl Methacrylate	0.4	U	
74-95-3	Dibromomethane	0.4	U	
123-91-1	1,4-Dioxane	0.4	U	
75-27-4	Bromodichloromethane	0.4	J	D
10061-01-5	cis-1,3-Dichloropropene	0.4	U	
108-10-1	4-Methyl-2-Pentanone	1	U	
108-88-3	Toluene	24		D
111-65-9	Octane	1	J	D
10061-02-6	trans-1,3-Dichloropropene	0.4	U	
97-63-2	Ethyl Methacrylate	0.4	U	
79-00-5	1,1,2-Trichloroethane	0.4	U	
127-18-4	Tetrachloroethene	350		D
591-78-6	2-Hexanone	1	U	
124-48-1	Dibromochloromethane	0.4	U	
106-93-4	1,2-Dibromoethane	0.4	U	
108-90-7	Chlorobenzene	0.4	U	
630-20-6	1,1,1,2-Tetrachloroethane	0.4	U	
100-41-4	Ethylbenzene	2		D
1330-20-7	m/p-Xylene	8		D
95-47-6	o-Xylene	3		D
100-42-5	Styrene	0.9	J	D
75-25-2	Bromoform	0.4	U	
98-82-8	Cumene	0.4	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.4	U	
96-18-4	1,2,3-Trichloropropane	0.4	U	
108-86-1	Bromobenzene	0.4	U	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: J8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869087 Date Analyzed: 08/02/02 Time Analyzed: 20:39
Injection Volume: 125 cc Nominal Volume: 250 cc Dilution Factor: 2.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1001010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	D
108-67-8	1,3,5-Trimethylbenzene	1	J D
98-83-9	Alpha Methyl Styrene	0.4	U
95-63-6	1,2,4-Trimethylbenzene	4	D
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
100-44-7	Benzyl chloride	0.4	U
95-50-1	1,2-Dichlorobenzene	1	U
67-72-1	Hexachloroethane	0.4	U
120-82-1	1,2,4-Trichlorobenzene	2	U
87-68-3	Hexachlorobutadiene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869088

Collected:07/31/2002 12:45 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
K-6/5-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K6-5S SDG#: DCK25-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/02/2002 22:08	George M Main	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 21:22	George M Main	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 22:08	George M Main	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K6-5S Date Collected. 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869088 Date Analyzed: 08/02/02 Time Analyzed: 22:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID C:\HPCHEM\1\DATA\AUG02\1201012.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.11	100	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.58	30	J D
67-63-0	Isopropyl Alcohol	10.82	30	J D
107-83-5	Pentane, 2-methyl-	11.21	34	J D
	Unknown siloxane	24.43	430	J D
127-19-5	Acetamide, N,N-dimethyl-	24.74	55	J D
	Unknown aliphatic hydrocarbon	26.48	73	J D
	Unknown aliphatic hydrocarbon	27.44	38	J D
	Unknown siloxane	27.93	280	J D
	Unknown siloxane	31.34	25	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869088 Date Analyzed: 08/02/02 Time Analyzed: 22:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1201012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	6	J D
75-45-6	Chlorodifluoromethane	54	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	21	D
107-02-8	Acrolein	10	D
75-35-4	1,1-Dichloroethene	4	J D
76-13-1	Freon 113	58	D
67-64-1	Acetone	76	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	34	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	37	D
75-65-0	tert-Butyl Alcohol	54	D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	8	J D
1634-04-4	Methyl t-Butyl Ether	560	D
110-54-3	Hexane	19	D
75-34-3	1,1-Dichloroethane	67	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	490	D
78-93-3	2-Butanone	42	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	13	D
71-55-6	1,1,1-Trichloroethane	240	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5S Date Collected: 07/31/02 Date Received. 08/01/02
Lab Sample ID: 3869088 Date Analyzed: 08/02/02 Time Analyzed. 22:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID C \HPCHEM\1\DATA\AUG02\1201012 D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	87	D
540-84-1	Isooctane	6	J D
142-82-5	Heptane	2	J D
79-01-6	Trichloroethene	3600	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	620	D
111-65-9	Octane	500	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2100	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	490	D
1330-20-7	m/p-Xylene	850	D
95-47-6	o-Xylene	430	D
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869088 Date Analyzed: 08/02/02 Time Analyzed: 22:08
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1201012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	6	J D
108-67-8	1,3,5-Trimethylbenzene	4	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	8	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869089

Collected:07/31/2002 12:55 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
K-7/6-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K7-6S SDG#: DCK25-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/02/2002 23:37	George M Main	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 22:51	George M Main	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/02/2002 23:37	George M Main	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K7-6S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869089 Date Analyzed· 08/02/02 Time Analyzed: 23:37
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1401014.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.11	79	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.57	54	J D
67-63-0	Isopropyl Alcohol	10.81	68	J D
107-83-5	Pentane, 2-methyl-	11.21	28	J D
	Unknown siloxane	24.43	38	J D
127-19-5	Acetamide, N,N-dimethyl-	24.78	84	J D
	Unknown aliphatic hydrocarbon	26.48	70	J D
	Unknown aliphatic hydrocarbon	27.43	33	J D
	Unknown siloxane	27.93	120	J D
	Unknown siloxane	31.34	31	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869089 Date Analyzed: 08/02/02 Time Analyzed: 23:37
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1401014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	5	J D
75-71-8	Dichlorodifluoromethane	5	J D
75-45-6	Chlorodifluoromethane	99	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	3	J D
109-66-0	Pentane	15	D
107-02-8	Acrolein	11	D
75-35-4	1,1-Dichloroethene	26	D
76-13-1	Freon 113	35	D
67-64-1	Acetone	83	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	18	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	36	D
75-65-0	tert-Butyl Alcohol	38	D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	8	J D
1634-04-4	Methyl t-Butyl Ether	170	D
110-54-3	Hexane	9	J D
75-34-3	1,1-Dichloroethane	80	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	300	D
78-93-3	2-Butanone	41	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	8	J D
71-55-6	1,1,1-Trichloroethane	730	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869089 Date Analyzed. 08/02/02 Time Analyzed: 23:37
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1401014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	25	D
540-84-1	Isooctane	3	J D
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	3300	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	220	D
111-65-9	Octane	160	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	1300	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	160	D
1330-20-7	m/p-Xylene	280	D
95-47-6	o-Xylene	140	D
100-42-5	Styrene	8	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869089 Date Analyzed: 08/02/02 Time Analyzed: 23:37
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG02\1401014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	7	J D
108-67-8	1,3,5-Trimethylbenzene	3	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	8	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869090

Collected:07/31/2002 11:15 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
K-2/3-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K2-3S SDG#: DCK25-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 22:31	George M Main	2.5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 22:31	George M Main	2.5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/11/2002 12:40	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K2-3S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869090 Date Analyzed· 08/05/02 Time Analyzed· 22:31
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG05\2301012.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
64-17-5	Ethanol	9.87	17	J D
67-63-0	Isopropyl Alcohol	11.23	22	J D
	Unknown aliphatic hydrocarbon	20.49	5	J D
	Unknown aliphatic hydrocarbon	21.68	7	J D
	Unknown siloxane	24.48	12	J D
	Unknown aliphatic hydrocarbon	26.27	16	J D
	Unknown aliphatic hydrocarbon	26.52	23	J D
	Unknown aliphatic hydrocarbon	26.73	7	J D
	Unknown aliphatic hydrocarbon	27.48	16	J D
	Unknown siloxane	27.97	11	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869090 Date Analyzed: 08/05/02 Time Analyzed: 22:31
Injection Volume 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	5	D
75-71-8	Dichlorodifluoromethane	4	D
75-45-6	Chlorodifluoromethane	3	U
76-14-2	Freon 114	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-43-4	Dichlorofluoromethane	0.5	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	2	J D
107-02-8	Acrolein	3	D
75-35-4	1,1-Dichloroethene	0.5	J D
76-13-1	Freon 113	15	D
67-64-1	Acetone	20	D
74-88-4	Methyl Iodide	0.5	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	1	U
107-05-1	3-Chloropropene	1	U
75-09-2	Methylene Chloride	6	D
75-65-0	tert-Butyl Alcohol	0.5	U
107-13-1	Acrylonitrile	1	U
156-60-5	trans-1,2-Dichloroethene	4	D
1634-04-4	Methyl t-Butyl Ether	0.5	U
110-54-3	Hexane	2	J D
75-34-3	1,1-Dichloroethane	3	D
108-05-4	Vinyl Acetate	0.5	U
156-59-2	cis-1,2-Dichloroethene	81	D
78-93-3	2-Butanone	12	D
141-78-6	Ethyl Acetate	0.5	U
96-33-3	Methyl Acrylate	0.5	U
67-66-3	Chloroform	0.9	J D
71-55-6	1,1,1-Trichloroethane	16	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869090 Date Analyzed: 08/05/02 Time Analyzed: 22:31
Injection Volume· 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	0.7	J D
142-82-5	Heptane	0.8	J D
79-01-6	Trichloroethene	370	D
140-88-5	Ethyl Acrylate	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
80-62-6	Methyl Methacrylate	0.5	U
74-95-3	Dibromomethane	0.5	U
123-91-1	1,4-Dioxane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-10-1	4-Methyl-2-Pentanone	1	U
108-88-3	Toluene	25	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	0.5	U
97-63-2	Ethyl Methacrylate	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	36	D
591-78-6	2-Hexanone	1	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	4	D
1330-20-7	m/p-Xylene	14	D
95-47-6	o-Xylene	5	D
100-42-5	Styrene	0.8	J D
75-25-2	Bromoform	0.5	U
98-82-8	Cumene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869090 Date Analyzed· 08/05/02 Time Analyzed: 22:31
Injection Volume: 100 cc Nominal Volume 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\AUG05\2301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	5	D
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
100-44-7	Benzyl chloride	0.5	U
95-50-1	1,2-Dichlorobenzene	1	U
67-72-1	Hexachloroethane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869091

Collected:07/31/2002 12:35 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:58
Discard: 10/13/2002
K-7/8-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K7-8S SDG#: DCK25-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 23:13	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 23:13	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/11/2002 13:22	George M Main	25

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K7-8S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID. 3869091 Date Analyzed 08/05/02 Time Analyzed: 23:13
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C.\HPCHEM\1\DATA\AUG05\2401013.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
64-17-5	Ethanol	9.72	44	J D
67-63-0	Isopropyl Alcohol	11.12	45	J D
107-83-5	Pentane, 2-methyl-	11.33	9	J D
109-99-9	Furan, tetrahydro-	15.09	13	J D
	Unknown aliphatic hydrocarbon	20.48	10	J D
	Unknown aliphatic hydrocarbon	21.67	15	J D
108-94-1	Cyclohexanone	24.61	8	J D
	Unknown aliphatic hydrocarbon	26.26	8	J D
	Unknown aliphatic hydrocarbon	26.50	16	J D
	Unknown aliphatic hydrocarbon	27.46	11	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-8S Date Collected. 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869091 Date Analyzed 08/05/02 Time Analyzed: 23:13
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG05\2401013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	2	J D
75-71-8	Dichlorodifluoromethane	1	U
75-45-6	Chlorodifluoromethane	19	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	3	J D
107-02-8	Acrolein	5	J D
75-35-4	1,1-Dichloroethene	19	D
76-13-1	Freon 113	14	D
67-64-1	Acetone	27	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	11	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	J D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	4	J D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	4	J D
75-34-3	1,1-Dichloroethane	26	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	210	D
78-93-3	2-Butanone	19	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	8	D
71-55-6	1,1,1-Trichloroethane	300	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-8S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869091 Date Analyzed: 08/05/02 Time Analyzed 23:13
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2401013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	4	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	J D
79-01-6	Trichloroethene	2300	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	2	J D
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	33	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	190	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	4	J D
1330-20-7	m/p-Xylene	14	D
95-47-6	o-Xylene	5	J D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-8S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869091 Date Analyzed: 08/05/02 Time Analyzed: 23:13
Injection Volume: 50 cc Nominal Volume 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID C \HPCHEM\1\DATA\AUG05\2401013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869092

Collected:07/31/2002 11:57 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
I-3-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1-3-S SDG#: DCK25-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 12:50	George M Main	100
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 13.36	George M Main	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 12:50	George M Main	100
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 13:36	George M Main	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: 1-3-S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869092 Date Analyzed: 08/05/02 Time Analyzed: 13:36
Injection Volume· 500 cc Nominal Volume· 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID. C \HPCHEM\1\DATA\AUG05\1101007.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.14	100	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.61	72	J D
67-63-0	Isopropyl Alcohol	10.85	49	J D
	Unknown siloxane	20.19	50	J D
	Unknown siloxane	24 45	520	J D
	Unknown aliphatic hydrocarbon	26.25	140	J D
	Unknown aliphatic hydrocarbon	26 49	94	J D
	Unknown aliphatic hydrocarbon	26.71	70	J D
	Unknown aliphatic hydrocarbon	27.45	52	J D
	Unknown siloxane	27.94	310	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1-3-S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869092 Date Analyzed: 08/05/02 Time Analyzed: 13:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1101007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	9	J D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	56	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	3	J D
109-66-0	Pentane	27	D
107-02-8	Acrolein	8	J D
75-35-4	1,1-Dichloroethene	32	D
76-13-1	Freon 113	58	D
67-64-1	Acetone	65	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	21	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	25	D
75-65-0	tert-Butyl Alcohol	67	D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	12	D
1634-04-4	Methyl t-Butyl Ether	600	D
110-54-3	Hexane	33	D
75-34-3	1,1-Dichloroethane	190	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	510	D
78-93-3	2-Butanone	32	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	10	D
71-55-6	1,1,1-Trichloroethane	1400	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1-3-S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869092 Date Analyzed: 08/05/02 Time Analyzed: 13:36
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1101007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	130	D
540-84-1	Isooctane	2	J D
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	2200	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	710	D
111-65-9	Octane	720	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	3800	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	630	D
1330-20-7	m/p-Xylene	990	D
95-47-6	o-Xylene	470	D
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 1-3-S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869092 Date Analyzed: 08/05/02 Time Analyzed: 13:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1101007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	5	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869093

Collected:07/31/2002 12:15 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
K-6-7 Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-6-7 SDG#: DCK25-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 15 09	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 14.21	George M Main	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 15:09	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K-6-7 Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869093 Date Analyzed: 08/05/02 Time Analyzed: 15:09
Injection Volume: 500 cc Nominal Volume· 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C·\HPCHEM\1\DATA\AUG05\1301002.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T	ESTIMATED CONCENTRATION	Q
	Unknown siloxane	24.44	12	J D
108-94-1	Cyclohexanone	24.57	26	J D
127-19-5	Acetamide, N,N-dimethyl-	24.84	31	J D
	Unknown alkene	25.57	11	J D
	Unknown aliphatic hydrocarbon	26.25	40	J D
	Unknown aliphatic hydrocarbon	26.49	25	J D
	Unknown aliphatic hydrocarbon	26.71	35	J D
	Unknown aliphatic hydrocarbon	27 45	13	J D
	Unknown siloxane	27 94	36	J D
	Unknown siloxane	31.35	28	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-6-7 Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869093 Date Analyzed: 08/05/02 Time Analyzed: 15:09
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\AUG05\1301002.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	16	D
75-71-8	Dichlorodifluoromethane	3	J D
75-45-6	Chlorodifluoromethane	46	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	8	D
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	6	D
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	9	D
107-02-8	Acrolein	8	D
75-35-4	1,1-Dichloroethene	3	J D
76-13-1	Freon 113	180	D
67-64-1	Acetone	56	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	13	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	15	D
75-65-0	tert-Butyl Alcohol	46	D
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	7	D
1634-04-4	Methyl t-Butyl Ether	460	D
110-54-3	Hexane	12	D
75-34-3	1,1-Dichloroethane	120	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	280	D
78-93-3	2-Butanone	180	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	11	D
71-55-6	1,1,1-Trichloroethane	240	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-6-7 Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869093 Date Analyzed: 08/05/02 Time Analyzed: 15:09
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID C:\HPCHEM\1\DATA\AUG05\1301002.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	46	D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	880	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	360	D
111-65-9	Octane	330	D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1900	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	360	D
1330-20-7	m/p-Xylene	610	D
95-47-6	o-Xylene	300	D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-6-7 Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869093 Date Analyzed: 08/05/02 Time Analyzed: 15:09
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1301002.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	1	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869094

Collected:07/31/2002 11:35 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
JK-3-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

JK-3S SDG#: DCK25-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext List Tedlar	EPA TO14	1	08/05/2002 16.37	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 15·51	George M Main	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 16:37	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: JK-3S Date Collected. 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869094 Date Analyzed: 08/05/02 Time Analyzed: 16:37
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C·\HPCHEM\1\DATA\AUG05\1501004.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.14	26	J D
67-63-0	Isopropyl Alcohol	10.86	16	J D
127-19-5	Acetamide, N,N-dimethyl-	24.80	38	J D
	Unknown aliphatic hydrocarbon	26.25	22	J D
	Unknown aliphatic hydrocarbon	26.49	35	J D
	Unknown aliphatic hydrocarbon	26.72	18	J D
104-76-7	1-Hexanol, 2-ethyl-	27.03	12	J D
	Unknown aliphatic hydrocarbon	27.45	19	J D
	Unknown siloxane	27.94	48	J D
	Unknown siloxane	31.35	24	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: JK-3S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869094 Date Analyzed: 08/05/02 Time Analyzed· 16:37
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\AUG05\1501004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
115-07-1	Propene	2	J D
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	22	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	11	D
107-02-8	Acrolein	8	D
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon 113	9	D
67-64-1	Acetone	53	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	13	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	16	D
75-65-0	tert-Butyl Alcohol	37	D
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl t-Butyl Ether	430	D
110-54-3	Hexane	12	D
75-34-3	1,1-Dichloroethane	17	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	92	D
78-93-3	2-Butanone	29	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	3	J D
71-55-6	1,1,1-Trichloroethane	55	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: JK-3S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869094 Date Analyzed: 08/05/02 Time Analyzed: 16:37
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID. HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1501004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	37	D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	810	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	320	D
111-65-9	Octane	290	D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1300	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	340	D
1330-20-7	m/p-Xylene	560	D
95-47-6	o-Xylene	290	D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: JK-3S Date Collected: 07/31/02 Date Received· 08/01/02
Lab Sample ID: 3869094 Date Analyzed: 08/05/02 Time Analyzed 16:37
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1501004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	4	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	6	D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869095

Collected:07/31/2002 11:02 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
K-6/7-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K6-7S SDG#: DCK25-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 17 17	George M Main	100
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 18 03	George M Main	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 17:17	George M Main	100
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 18:03	George M Main	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K6-7- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869095 Date Analyzed: 08/05/02 Time Analyzed: 18:03
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1701006.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.14	73	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.62	59	J D
67-63-0	Isopropyl Alcohol	10.88	130	J D
107-83-5	Pentane, 2-methyl-	11.25	40	J D
127-19-5	Acetamide, N,N-dimethyl-	24.82	120	J D
	Unknown aliphatic hydrocarbon	26.25	51	J D
	Unknown aliphatic hydrocarbon	26.49	100	J D
	Unknown aliphatic hydrocarbon	27.45	97	J D
	Unknown siloxane	27.94	64	J D
	Unknown siloxane	31.36	33	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7- Date Collected: 07/31/02 Date Received. 08/01/02
Lab Sample ID: 3869095 Date Analyzed: 08/05/02 Time Analyzed. 18:03
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	7	J D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	42	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	12	D
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	4	J D
109-66-0	Pentane	16	D
107-02-8	Acrolein	17	D
75-35-4	1,1-Dichloroethene	78	D
76-13-1	Freon 113	51	D
67-64-1	Acetone	120	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	37	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	30	D
75-65-0	tert-Butyl Alcohol	34	D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	13	D
1634-04-4	Methyl t-Butyl Ether	300	D
110-54-3	Hexane	17	D
75-34-3	1,1-Dichloroethane	180	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	490	D
78-93-3	2-Butanone	22	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	6	J D
71-55-6	1,1,1-Trichloroethane	2500	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869095 Date Analyzed: 08/05/02 Time Analyzed: 18:03
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	29	D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	5300	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	300	D
111-65-9	Octane	230	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	J D
127-18-4	Tetrachloroethene	1500	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	250	D
1330-20-7	m/p-Xylene	460	D
95-47-6	o-Xylene	220	D
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7- Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869095 Date Analyzed: 08/05/02 Time Analyzed: 18:03
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	6	J D
108-67-8	1,3,5-Trimethylbenzene	4	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	10	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	9	J D
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869096

Collected:07/31/2002 11:10 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
K-1-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-1-S SDG#: DCK25-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 19:32	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 18:46	George M Main	167
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 19:32	George M Main	25

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K-1-S Date Collected. 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869096 Date Analyzed: 08/05/02 Time Analyzed: 19:32
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1901008.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.14	120	J D
67-63-0	Isopropyl Alcohol	10.88	270	J D
107-83-5	Pentane, 2-methyl-	11.26	88	J D
127-19-5	Acetamide, N,N-dimethyl-	24.81	430	J D
	Unknown aliphatic hydrocarbon	26.49	370	J D
104-76-7	1-Hexanol, 2-ethyl-	27.03	93	J D
	Unknown aliphatic hydrocarbon	27.45	360	J D
	Unknown aliphatic hydrocarbon	27.57	96	J D
	Unknown siloxane	27.94	280	J D
	Unknown siloxane	31.35	110	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869096 Date Analyzed: 08/05/02 Time Analyzed: 19:32
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C.\HPCHEM\1\DATA\AUG05\1901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
115-07-1	Propene	11	J D
75-71-8	Dichlorodifluoromethane	5	U
75-45-6	Chlorodifluoromethane	70	D
76-14-2	Freon 114	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
106-99-0	1,3-Butadiene	25	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-43-4	Dichlorofluoromethane	5	U
75-69-4	Trichlorofluoromethane	7	J D
109-66-0	Pentane	35	D
107-02-8	Acrolein	42	D
75-35-4	1,1-Dichloroethene	34	D
76-13-1	Freon 113	100	D
67-64-1	Acetone	250	D
74-88-4	Methyl Iodide	5	U
75-15-0	Carbon Disulfide	93	D
75-05-8	Acetonitrile	13	U
107-05-1	3-Chloropropene	13	U
75-09-2	Methylene Chloride	73	D
75-65-0	tert-Butyl Alcohol	58	D
107-13-1	Acrylonitrile	13	U
156-60-5	trans-1,2-Dichloroethene	22	J D
1634-04-4	Methyl t-Butyl Ether	590	D
110-54-3	Hexane	29	D
75-34-3	1,1-Dichloroethane	150	D
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	870	D
78-93-3	2-Butanone	31	D
141-78-6	Ethyl Acetate	5	U
96-33-3	Methyl Acrylate	5	U
67-66-3	Chloroform	10	J D
71-55-6	1,1,1-Trichloroethane	1400	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869096 Date Analyzed: 08/05/02 Time Analyzed: 19:32
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\1901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	54	D
540-84-1	Isooctane	5	U
142-82-5	Heptane	5	U
79-01-6	Trichloroethene	8200	D
140-88-5	Ethyl Acrylate	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	610	D
111-65-9	Octane	430	D
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	1400	D
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	460	D
1330-20-7	m/p-Xylene	830	D
95-47-6	o-Xylene	380	D
100-42-5	Styrene	22	J D
75-25-2	Bromoform	5	U
98-82-8	Cumene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869096 Date Analyzed: 08/05/02 Time Analyzed: 19:32
Injection Volume. 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\AUG05\1901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	16	J D
108-67-8	1,3,5-Trimethylbenzene	10	J D
98-83-9	Alpha Methyl Styrene	5	U
95-63-6	1,2,4-Trimethylbenzene	28	D
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
100-44-7	Benzyl chloride	5	U
95-50-1	1,2-Dichlorobenzene	13	U
67-72-1	Hexachloroethane	5	U
120-82-1	1,2,4-Trichlorobenzene	25	U
87-68-3	Hexachlorobutadiene	13	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3869097

Collected:07/31/2002 11:00 by TB

Account Number: 10160

Submitted: 08/01/2002 09:25
Reported: 08/13/2002 at 15:59
Discard: 10/13/2002
K-8/9-S Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K8-9S SDG#: DCK25-12*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/05/2002 20:53	George M Main	3 3
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 20:13	George M Main	20
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/05/2002 20:53	George M Main	3.3

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K8-9S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869097 Date Analyzed: 08/05/02 Time Analyzed: 20:53
Injection Volume: 75 cc Nominal Volume. 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\AUG05\2101010.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
64-17-5	Ethanol	9.62	44	J D
67-63-0	Isopropyl Alcohol	10.97	59	J D
	Unknown aliphatic hydrocarbon	24.32	200	J D
	Unknown aliphatic hydrocarbon	24.70	24	J D
127-19-5	Acetamide, N,N-dimethyl-	24.86	54	J D
	Unknown aliphatic hydrocarbon	25.20	87	J D
	Unknown aliphatic hydrocarbon	25.66	97	J D
	Unknown aliphatic hydrocarbon	26.26	630	J D
	Unknown aliphatic hydrocarbon	26.53	28	J D
	Unknown aliphatic hydrocarbon	26.72	380	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K8-9S Date Collected 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869097 Date Analyzed. 08/05/02 Time Analyzed: 20:53
Injection Volume: 75 cc Nominal Volume 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
115-07-1	Propene	4	D
75-71-8	Dichlorodifluoromethane	0.8	J D
75-45-6	Chlorodifluoromethane	10	D
76-14-2	Freon 114	0.7	U
74-87-3	Chloromethane	0.7	U
75-01-4	Vinyl Chloride	0.7	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.7	U
75-00-3	Chloroethane	0.7	U
75-43-4	Dichlorofluoromethane	0.7	U
75-69-4	Trichlorofluoromethane	0.7	J D
109-66-0	Pentane	2	J D
107-02-8	Acrolein	4	D
75-35-4	1,1-Dichloroethene	0.7	U
76-13-1	Freon 113	3	D
67-64-1	Acetone	29	D
74-88-4	Methyl Iodide	0.7	U
75-15-0	Carbon Disulfide	10	D
75-05-8	Acetonitrile	2	U
107-05-1	3-Chloropropene	2	U
75-09-2	Methylene Chloride	8	D
75-65-0	tert-Butyl Alcohol	2	J D
107-13-1	Acrylonitrile	2	U
156-60-5	trans-1,2-Dichloroethene	5	D
1634-04-4	Methyl t-Butyl Ether	0.7	U
110-54-3	Hexane	4	D
75-34-3	1,1-Dichloroethane	31	D
108-05-4	Vinyl Acetate	0.7	U
156-59-2	cis-1,2-Dichloroethene	110	D
78-93-3	2-Butanone	23	D
141-78-6	Ethyl Acetate	0.7	U
96-33-3	Methyl Acrylate	0.7	U
67-66-3	Chloroform	3	D
71-55-6	1,1,1-Trichloroethane	53	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869097 Date Analyzed: 08/05/02 Time Analyzed: 20:53
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID C:\HPCHEM\1\DATA\AUG05\2101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.7	U
107-06-2	1,2-Dichloroethane	0.7	U
71-43-2	Benzene	3	J D
540-84-1	Isooctane	0.9	J D
142-82-5	Heptane	1	J D
79-01-6	Trichloroethene	1000	D
140-88-5	Ethyl Acrylate	0.7	U
78-87-5	1,2-Dichloropropane	0.7	U
80-62-6	Methyl Methacrylate	0.7	U
74-95-3	Dibromomethane	0.7	U
123-91-1	1,4-Dioxane	0.7	U
75-27-4	Bromodichloromethane	0.7	U
10061-01-5	cis-1,3-Dichloropropene	0.7	U
108-10-1	4-Methyl-2-Pentanone	2	U
108-88-3	Toluene	30	D
111-65-9	Octane	2	J D
10061-02-6	trans-1,3-Dichloropropene	0.7	U
97-63-2	Ethyl Methacrylate	0.7	U
79-00-5	1,1,2-Trichloroethane	0.7	U
127-18-4	Tetrachloroethene	100	D
591-78-6	2-Hexanone	2	U
124-48-1	Dibromochloromethane	0.7	U
106-93-4	1,2-Dibromoethane	0.7	U
108-90-7	Chlorobenzene	0.7	U
630-20-6	1,1,1,2-Tetrachloroethane	0.7	U
100-41-4	Ethylbenzene	5	D
1330-20-7	m/p-Xylene	19	D
95-47-6	o-Xylene	7	D
100-42-5	Styrene	0.9	J D
75-25-2	Bromoform	0.7	U
98-82-8	Cumene	0.7	U
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U
96-18-4	1,2,3-Trichloropropane	0.7	U
108-86-1	Bromobenzene	0.7	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K8-9S Date Collected: 07/31/02 Date Received: 08/01/02
Lab Sample ID: 3869097 Date Analyzed: 08/05/02 Time Analyzed: 20:53
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\AUG05\2101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	6	D
108-67-8	1,3,5-Trimethylbenzene	3	J D
98-83-9	Alpha Methyl Styrene	0.7	U
95-63-6	1,2,4-Trimethylbenzene	7	D
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
100-44-7	Benzyl chloride	0.7	U
95-50-1	1,2-Dichlorobenzene	2	U
67-72-1	Hexachloroethane	0.7	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where Quality Is Certain

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817262
Reported: 08/13/02 at 04:00 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A022171AA	Sample number(s): 3869086-3869089							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N.D.	.2	ppb(v)					
Chloromethane	N.D.	.2	ppb(v)					
Vinyl Chloride	N.D.	.2	ppb(v)	127		43-158		
1,3-Butadiene	N.D.	1.	ppb(v)					
Bromomethane	N.D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	.2	ppb(v)					
Acrolein	N.D.	.5	ppb(v)					
1,1-Dichloroethene	N.D.	.2	ppb(v)					
Freon 113	N.D.	5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D	.5	ppb(v)					
Methylene Chloride	N.D.	.5	ppb(v)					
Acrylonitrile	N.D	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N.D.	.2	ppb(v)					
Vinyl Acetate	N.D.	.2	ppb(v)					
cis-1,2-Dichloroethene	N.D.	.2	ppb(v)					
2-Butanone	N.D.	.5	ppb(v)					
Ethyl Acetate	N.D.	.2	ppb(v)					
Methyl Acrylate	N.D.	.2	ppb(v)					
Chloroform	N.D.	2	ppb(v)					
1,1,1-Trichloroethane	N.D.	2	ppb(v)	106		54-174		
Carbon Tetrachloride	N.D.	.2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	90		51-163		
Isooctane	N.D.	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	97		56-140		
Ethyl Acrylate	N.D.	2	ppb(v)					
1,2-Dichloropropane	N.D.	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	2	ppb(v)					

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817262
Reported: 08/13/02 at 04:00 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Methyl-2-Pentanone	N.D	.5	ppb(v)					
Toluene	N.D.	2	ppb(v)					
Octane	N.D.	2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N D.	.2	ppb(v)					
Chlorobenzene	N D	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N D.	.2	ppb(v)					
Ethylbenzene	N.D.	.2	ppb(v)	94		49-152		
m/p-Xylene	N.D.	.2	ppb(v)					
o-Xylene	N.D.	2	ppb(v)					
Styrene	N.D.	2	ppb(v)					
Bromoform	N.D.	2	ppb(v)					
Cumene	N.D.	.2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	2	ppb(v)					
1,3-Dichlorobenzene	N.D.	5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					
Batch number: A022171AB	Sample number(s): 3869090-3869097							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N.D.	.2	ppb(v)					
Chloromethane	N D.	.2	ppb(v)					
Vinyl Chloride	N.D.	.2	ppb(v)	127		43-158		
1,3-Butadiene	N.D.	1.	ppb(v)					
Bromomethane	N.D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	.2	ppb(v)					
Acrolein	N D.	.5	ppb(v)					
1,1-Dichloroethene	N.D.	.2	ppb(v)					

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817262
Reported: 08/13/02 at 04:00 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Freon 113	N.D.	.5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N.D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D.	.5	ppb(v)					
Methylene Chloride	N.D.	.5	ppb(v)					
Acrylonitrile	N.D.	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N D	.2	ppb(v)					
Vinyl Acetate	N D	2	ppb(v)					
cis-1,2-Dichloroethene	N D	.2	ppb(v)					
2-Butanone	N D	.5	ppb(v)					
Ethyl Acetate	N D.	2	ppb(v)					
Methyl Acrylate	N.D	.2	ppb(v)					
Chloroform	N D.	.2	ppb(v)					
1,1,1-Trichloroethane	N D	.2	ppb(v)	106		54-174		
Carbon Tetrachloride	N D	.2	ppb(v)					
1,2-Dichloroethane	N D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	90		51-163		
Isooctane	N.D	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	97		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N.D.	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					
4-Methyl-2-Pentanone	N.D.	.5	ppb(v)					
Toluene	N.D.	.2	ppb(v)					
Octane	N.D.	.2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D.	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	.2	ppb(v)					
Ethylbenzene	N.D.	.2	ppb(v)	94		49-152		
m/p-Xylene	N.D.	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817262
Reported: 08/13/02 at 04:00 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cumene	N.D.	2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N.D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N.D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					

*- 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
Where quality is a science.

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 817558. Samples arrived at the laboratory on Saturday, August 03, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
K-6/7-D Tedlar Bag Grab Air Sample	3870889
K-6/5-D Tedlar Bag Grab Air Sample	3870890
K-11-D Tedlar Bag Grab Air Sample	3870891
K-7/6-D Tedlar Bag Grab Air Sample	3870892
I-8/9-D Tedlar Bag Grab Air Sample	3870893
K-8/7-D Tedlar Bag Grab Air Sample	3870894
K-I-3 Tedlar Bag Grab Air Sample	3870895
K-1-D Tedlar Bag Grab Air Sample	3870896
K-8/9-D Tedlar Bag Grab Air Sample	3870897
K-2/3-D Tedlar Bag Grab Air Sample	3870898
K-3-D Tedlar Bag Grab Air Sample	3870899
I-6/7-D Tedlar Bag Grab Air Sample	3870900

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

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Karen L. Baney

KAREN L. BANEY
SENIOR 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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870889

Collected:08/01/2002 10:50 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:48
Discard: 10/15/2002
K-6/7-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K6-7D SDG#: DCK28-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 01:19	George M Main	1
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 01:19	George M Main	1

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870889 Date Analyzed: 08/06/02 Time Analyzed: 01:19
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2601015.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.12	5	J
2213-23-2	Heptane, 2,4-dimethyl-	20.45	8	J
2216-34-4	Octane, 4-methyl-	21.65	13	J
108-94-1	Cyclohexanone	24.58	5	J
	C9H12 aromatic	25.73	5	J
	Unknown aliphatic hydrocarbon	26.50	20	J
104-76-7	1-Hexanol, 2-ethyl-	27.03	6	J
	Unknown aliphatic hydrocarbon	27.46	22	J
	Unknown aliphatic hydrocarbon	27.57	5	J
	Unknown siloxane	27.94	6	J

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870889 Date Analyzed: 08/06/02 Time Analyzed: 01:19
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG05\2601015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	7	
75-71-8	Dichlorodifluoromethane	0.9	J
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.6	J
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	0.5	J
109-66-0	Pentane	9	
107-02-8	Acrolein	6	
75-35-4	1,1-Dichloroethene	0.2	U
76-13-1	Freon 113	0.5	U
67-64-1	Acetone	34	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	7	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	2	
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.2	U
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	5	
75-34-3	1,1-Dichloroethane	0.2	U
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	2	
78-93-3	2-Butanone	25	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	0.2	U
71-55-6	1,1,1-Trichloroethane	1	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870889 Date Analyzed: 08/06/02 Time Analyzed: 01:19
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2601015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	5	
540-84-1	Isooctane	1	
142-82-5	Heptane	1	
79-01-6	Trichloroethene	8	
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	30	
111-65-9	Octane	2	
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	25	
591-78-6	2-Hexanone	0.6	J
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0 2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	5	
1330-20-7	m/p-Xylene	19	
95-47-6	o-Xylene	8	
100-42-5	Styrene	1	
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.5	J
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0 2	U
108-86-1	Bromobenzene	0.2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870889 Date Analyzed: 08/06/02 Time Analyzed: 01:19
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2601015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	8	
108-67-8	1,3,5-Trimethylbenzene	4	
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	11	
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870890

Collected:08/01/2002 13:10 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-6/5-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K6-5D SDG#: DCK28-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 02:02	George M Main	167
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 02:48	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 02:02	George M Main	167
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 02:48	George M Main	25

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K6-5D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870890 Date Analyzed: 08/06/02 Time Analyzed: 02:48
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2801017.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.10	170	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.73	130	J D
107-83-5	Pentane, 2-methyl-	11.23	93	J D
127-19-5	Acetamide, N,N-dimethyl-	24.74	440	J D
	Unknown aliphatic hydrocarbon	26.26	190	J D
	Unknown aliphatic hydrocarbon	26.50	280	J D
	Unknown aliphatic hydrocarbon	26.72	120	J D
	Unknown aliphatic hydrocarbon	27.46	280	J D
	Unknown siloxane	27.95	250	J D
	Unknown siloxane	31.36	180	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870890 Date Analyzed: 08/06/02 Time Analyzed: 02:48
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2801017.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-45-6	Chlorodifluoromethane	78	D
76-14-2	Freon 114	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	22	J D
106-99-0	1,3-Butadiene	25	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-43-4	Dichlorofluoromethane	5	U
75-69-4	Trichlorofluoromethane	5	U
109-66-0	Pentane	42	D
107-02-8	Acrolein	21	J D
75-35-4	1,1-Dichloroethene	5	U
76-13-1	Freon 113	100	D
67-64-1	Acetone	170	D
74-88-4	Methyl Iodide	5	U
75-15-0	Carbon Disulfide	63	D
75-05-8	Acetonitrile	13	U
107-05-1	3-Chloropropene	13	U
75-09-2	Methylene Chloride	58	D
75-65-0	tert-Butyl Alcohol	150	D
107-13-1	Acrylonitrile	13	U
156-60-5	trans-1,2-Dichloroethene	11	J D
1634-04-4	Methyl t-Butyl Ether	3100	D
110-54-3	Hexane	61	D
75-34-3	1,1-Dichloroethane	330	D
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	560	D
78-93-3	2-Butanone	30	D
141-78-6	Ethyl Acetate	5	U
96-33-3	Methyl Acrylate	5	U
67-66-3	Chloroform	34	D
71-55-6	1,1,1-Trichloroethane	160	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870890 Date Analyzed: 08/06/02 Time Analyzed: 02:48
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25 0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2801017.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	270	D
540-84-1	Isooctane	5	U
142-82-5	Heptane	5	U
79-01-6	Trichloroethene	1400	D
140-88-5	Ethyl Acrylate	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	2000	D
111-65-9	Octane	1800	D
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	10000	D
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	2300	D
1330-20-7	m/p-Xylene	4000	D
95-47-6	o-Xylene	2100	D
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Cumene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample
J = Compound was detected, but below the limit of quantitation.
NOTE· Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K6-5D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870890 Date Analyzed: 08/06/02 Time Analyzed: 02:48
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\2801017.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	12	J D
108-67-8	1,3,5-Trimethylbenzene	5	U
98-83-9	Alpha Methyl Styrene	5	U
95-63-6	1,2,4-Trimethylbenzene	16	J D
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
100-44-7	Benzyl chloride	5	U
95-50-1	1,2-Dichlorobenzene	13	U
67-72-1	Hexachloroethane	5	U
120-82-1	1,2,4-Trichlorobenzene	25	U
87-68-3	Hexachlorobutadiene	13	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE· Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870891

Collected:08/01/2002 11:55 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-11-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-11D SDG#: DCK28-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 04:14	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 03:31	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 04:14	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.· K-11D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870891 Date Analyzed: 08/06/02 Time Analyzed· 04 14
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor 5 0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\3001019.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.55	11	J D
78-78-4	Butane, 2-methyl-	8.08	15	J D
67-63-0	Isopropyl Alcohol	10.85	47	J D
	Unknown aliphatic hydrocarbon	24.32	9	J D
	Unknown siloxane	24.45	21	J D
127-19-5	Acetamide, N,N-dimethyl-	24.74	53	J D
	Unknown aliphatic hydrocarbon	25.73	10	J D
	Unknown aliphatic hydrocarbon	26.25	38	J D
	Unknown aliphatic hydrocarbon	26.50	14	J D
	Unknown aliphatic hydrocarbon	26.71	31	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-11D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870891 Date Analyzed: 08/06/02 Time Analyzed: 04:14
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\3001019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	5	D
75-45-6	Chlorodifluoromethane	5	U
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	4	J D
107-02-8	Acrolein	4	J D
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon 113	3	U
67-64-1	Acetone	31	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	13	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	J D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	2	J D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	4	J D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	78	D
78-93-3	2-Butanone	21	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	9	D
71-55-6	1,1,1-Trichloroethane	17	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-11D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870891 Date Analyzed 08/06/02 Time Analyzed: 04:14
Injection Volume: 50 cc Nominal Volume 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG05\3001019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	3	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	1100	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	26	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	960	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	12	D
95-47-6	o-Xylene	5	J D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-11D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870891 Date Analyzed: 08/06/02 Time Analyzed: 04:14
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG05\3001019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	5	D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870892

Collected:08/01/2002 13:00 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-7/6-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K7-6D SDG#: DCK28-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 11:29	George M Main	83
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 12:15	George M Main	12
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 11:29	George M Main	83
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 12:15	George M Main	12

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K7-6D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870892 Date Analyzed: 08/06/02 Time Analyzed: 12:15
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\AUG06\0701006.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.08	52	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.57	81	J D
67-63-0	Isopropyl Alcohol	10.85	180	J D
	Unknown siloxane	24.44	190	J D
127-19-5	Acetamide, N,N-dimethyl-	24.76	55	J D
	Unknown aliphatic hydrocarbon	26.24	120	J D
	Unknown aliphatic hydrocarbon	26.49	120	J D
	Unknown aliphatic hydrocarbon	26.70	58	J D
	Unknown aliphatic hydrocarbon	27.45	120	J D
	Unknown siloxane	27.94	210	J D

B = Compound was found in method blank D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870892 Date Analyzed: 08/06/02 Time Analyzed: 12:15
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	8	J D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	32	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	12	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	2	U
109-66-0	Pentane	15	D
107-02-8	Acrolein	9	J D
75-35-4	1,1-Dichloroethene	33	D
76-13-1	Freon 113	58	D
67-64-1	Acetone	68	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	29	D
75-05-8	Acetonitrile	6	U
107-05-1	3-Chloropropene	6	U
75-09-2	Methylene Chloride	18	D
75-65-0	tert-Butyl Alcohol	130	D
107-13-1	Acrylonitrile	6	U
156-60-5	trans-1,2-Dichloroethene	11	J D
1634-04-4	Methyl t-Butyl Ether	780	D
110-54-3	Hexane	17	D
75-34-3	1,1-Dichloroethane	180	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	480	D
78-93-3	2-Butanone	12	J D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	10	J D
71-55-6	1,1,1-Trichloroethane	1400	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870892 Date Analyzed: 08/06/02 Time Analyzed: 12:15
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	76	D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	2500	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	6	U
108-88-3	Toluene	690	D
111-65-9	Octane	580	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	3900	D
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	720	D
1330-20-7	m/p-Xylene	1300	D
95-47-6	o-Xylene	670	D
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K7-6D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870892 Date Analyzed: 08/06/02 Time Analyzed: 12:15
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	6	J D
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	6	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	12	U
87-68-3	Hexachlorobutadiene	6	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870893

Collected:08/01/2002 12:30 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
I-8/9-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

I8-9D SDG#: DCK28-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 13:43	George M Main	5
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/07/2002 15:24	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 13:43	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/07/2002 15:24	George M Main	25

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: I8-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870893 Date Analyzed: 08/06/02 Time Analyzed: 13:43
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0901008.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.53	17	J D
78-78-4	Butane, 2-methyl-	8.06	8	J D
354-23-4	Ethane, 1-2-dichloro-1,1,2-tri	9.56	12	J D
67-63-0	Isopropyl Alcohol	10.82	32	J D
127-19-5	Acetamide, N,N-dimethyl-	24.75	120	J D
	Unknown aliphatic hydrocarbon	25.72	9	J D
	Unknown aliphatic hydrocarbon	26.24	15	J D
	Unknown aliphatic hydrocarbon	26.49	14	J D
	Unknown aliphatic hydrocarbon	26.70	15	J D
	Unknown aliphatic hydrocarbon	27.45	7	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I8-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870893 Date Analyzed: 08/06/02 Time Analyzed: 13:43
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS· MDL ppb(v)	Q
115-07-1	Propene	18	D
75-71-8	Dichlorodifluoromethane	1	J D
75-45-6	Chlorodifluoromethane	150	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	3	J D
107-02-8	Acrolein	3	J D
75-35-4	1,1-Dichloroethene	44	D
76-13-1	Freon 113	21	D
67-64-1	Acetone	28	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	11	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	J D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	18	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	170	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	240	D
78-93-3	2-Butanone	17	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	5	D
71-55-6	1,1,1-Trichloroethane	1200	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I8-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870893 Date Analyzed. 08/06/02 Time Analyzed: 13:43
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	470	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	23	D
111-65-9	Octane	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1200	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	11	D
95-47-6	o-Xylene	4	J D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I8-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870893 Date Analyzed: 08/06/02 Time Analyzed: 13:43
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\0901008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	5	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

Lancaster Laboratories Sample No. AQ 3870894

Collected:08/01/2002 12:45 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-8/7-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K8-7D SDG#: DCK28-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 16:01	George M Main	25
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 16:42	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 16:01	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 16:42	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K8-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870894 Date Analyzed: 08/06/02 Time Analyzed: 16:42
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1301004.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.53	13	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.58	23	J D
67-63-0	Isopropyl Alcohol	10.83	28	J D
	Unknown aliphatic hydrocarbon	24.30	19	J D
	Unknown aliphatic hydrocarbon	25.64	15	J D
	Unknown aliphatic hydrocarbon	26.23	160	J D
	Unknown aliphatic hydrocarbon	26.49	15	J D
	Unknown aliphatic hydrocarbon	26.70	110	J D
	Unknown aliphatic hydrocarbon	27.10	8	J D
	Unknown aliphatic hydrocarbon	28.87	10	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No. K8-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870894 Date Analyzed: 08/06/02 Time Analyzed: 16:42
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5 0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1301004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	160	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	3	J D
109-66-0	Pentane	3	J D
107-02-8	Acrolein	3	J D
75-35-4	1,1-Dichloroethene	66	D
76-13-1	Freon 113	19	D
67-64-1	Acetone	28	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	10	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	U
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	7	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	92	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	110	D
78-93-3	2-Butanone	16	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	4	J D
71-55-6	1,1,1-Trichloroethane	930	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K8-7D Date Collected: 08/01/02 Date Received. 08/03/02
Lab Sample ID: 3870894 Date Analyzed: 08/06/02 Time Analyzed· 16:42
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1301004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	460	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	25	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	920	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	11	D
95-47-6	o-Xylene	5	J D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE· Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K8-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870894 Date Analyzed: 08/06/02 Time Analyzed: 16:42
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1301004.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870895

Collected:08/01/2002 12:10 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-I-3 Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-I-3 SDG#: DCK28-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 18:08	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 17:22	George M Main	167
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 18.08	George M Main	25

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K-I-3 Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870895 Date Analyzed: 08/06/02 Time Analyzed: 18:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1501006.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8 09	78	J D
67-63-0	Isopropyl Alcohol	10 82	180	J D
107-83-5	Pentane, 2-methyl-	11 22	63	J D
2213-23-2	Heptane, 2,4-dimethyl-	20 46	61	J D
	Unknown aliphatic hydrocarbon	21.65	54	J D
127-19-5	Acetamide, N,N-dimethyl-	24.78	110	J D
	Unknown aliphatic hydrocarbon	26.48	190	J D
	Unknown aliphatic hydrocarbon	27.44	170	J D
	Unknown aliphatic hydrocarbon	27.56	41	J D
	Unknown siloxane	27.94	160	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-I-3 Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870895 Date Analyzed: 08/06/02 Time Analyzed: 18:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\AUG06\1501006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-45-6	Chlorodifluoromethane	53	D
76-14-2	Freon 114	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	32	D
106-99-0	1,3-Butadiene	25	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-43-4	Dichlorofluoromethane	5	U
75-69-4	Trichlorofluoromethane	5	U
109-66-0	Pentane	21	J D
107-02-8	Acrolein	26	D
75-35-4	1,1-Dichloroethene	5	U
76-13-1	Freon 113	27	D
67-64-1	Acetone	150	D
74-88-4	Methyl Iodide	5	U
75-15-0	Carbon Disulfide	49	D
75-05-8	Acetonitrile	13	U
107-05-1	3-Chloropropene	13	U
75-09-2	Methylene Chloride	46	D
75-65-0	tert-Butyl Alcohol	66	D
107-13-1	Acrylonitrile	13	U
156-60-5	trans-1,2-Dichloroethene	7	J D
1634-04-4	Methyl t-Butyl Ether	340	D
110-54-3	Hexane	9	J D
75-34-3	1,1-Dichloroethane	48	D
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	670	D
78-93-3	2-Butanone	14	J D
141-78-6	Ethyl Acetate	5	U
96-33-3	Methyl Acrylate	5	U
67-66-3	Chloroform	11	J D
71-55-6	1,1,1-Trichloroethane	88	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-I-3 Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870895 Date Analyzed: 08/06/02 Time Analyzed: 18:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1501006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	9	J D
540-84-1	Isooctane	5	U
142-82-5	Heptane	5	U
79-01-6	Trichloroethene	1900	D
140-88-5	Ethyl Acrylate	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	230	D
111-65-9	Octane	88	D
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	8100	D
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	370	D
1330-20-7	m/p-Xylene	770	D
95-47-6	o-Xylene	470	D
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Cumene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-I-3 Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870895 Date Analyzed: 08/06/02 Time Analyzed: 18:08
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID C \HPCHEM\1\DATA\AUG06\1501006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	9	J D
108-67-8	1,3,5-Trimethylbenzene	5	U
98-83-9	Alpha Methyl Styrene	5	U
95-63-6	1,2,4-Trimethylbenzene	11	J D
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
100-44-7	Benzyl chloride	5	U
95-50-1	1,2-Dichlorobenzene	13	U
67-72-1	Hexachloroethane	5	U
120-82-1	1,2,4-Trichlorobenzene	25	U
87-68-3	Hexachlorobutadiene	13	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870896

Collected:08/01/2002 11:00 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-1-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-1-D SDG#: DCK28-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 19:34	George M Main	1
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 19:34	George M Main	1

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K-1-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870896 Date Analyzed: 08/06/02 Time Analyzed: 19:34
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1701008.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.10	5	J
67-63-0	Isopropyl Alcohol	10.87	8	J
2213-23-2	Heptane, 2,4-dimethyl-	20 43	3	J
	Unknown aliphatic hydrocarbon	21.63	4	J
127-19-5	Acetamide, N,N-dimethyl-	24.75	11	J
	Unknown aliphatic hydrocarbon	26.49	15	J
	Unknown aliphatic hydrocarbon	26.62	3	J
104-76-7	1-Hexanol, 2-ethyl-	27.02	5	J
	Unknown aliphatic hydrocarbon	27.44	7	J
	Unknown siloxane	27.93	5	J

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870896 Date Analyzed: 08/06/02 Time Analyzed: 19:34
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1701008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	3	
75-71-8	Dichlorodifluoromethane	0.8	J
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.6	J
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	0.5	J
109-66-0	Pentane	4	
107-02-8	Acrolein	5	
75-35-4	1,1-Dichloroethene	0.2	U
76-13-1	Freon 113	0.5	U
67-64-1	Acetone	30	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	7	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	2	
75-65-0	tert-Butyl Alcohol	0.2	J
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.2	U
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	2	
75-34-3	1,1-Dichloroethane	0.2	U
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	0.8	J
78-93-3	2-Butanone	18	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	0.2	U
71-55-6	1,1,1-Trichloroethane	0.6	J

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870896 Date Analyzed: 08/06/02 Time Analyzed: 19:34
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1 0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1701008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	3	
540-84-1	Isooctane	0.7	J
142-82-5	Heptane	0.9	J
79-01-6	Trichloroethene	6	
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	25	
111-65-9	Octane	1	
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	14	
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	3	
1330-20-7	m/p-Xylene	13	
95-47-6	o-Xylene	5	
100-42-5	Styrene	1	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.3	J
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

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

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-1-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870896 Date Analyzed: 08/06/02 Time Analyzed: 19:34
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1701008.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	
108-67-8	1,3,5-Trimethylbenzene	3	
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	7	
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870897

Collected:08/01/2002 10:45 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:49
Discard: 10/15/2002
K-8/9-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K8-9D SDG#: DCK28-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 20:17	George M Main	5
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 21:00	George M Main	1
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 20:17	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 21:00	George M Main	1

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K3-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870897 Date Analyzed: 08/06/02 Time Analyzed: 21:00
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1901010.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown aliphatic hydrocarbon	24.29	9	J
108-94-1	Cyclohexanone	24.55	42	J
	Unknown aliphatic hydrocarbon	25.71	17	J
	Unknown aliphatic hydrocarbon	26.23	25	J
	Unknown aliphatic hydrocarbon	26.48	22	J
	Unknown aliphatic hydrocarbon	26.70	25	J
104-76-7	1-Hexanol, 2-ethyl-	27 01	7	J
	Unknown aliphatic hydrocarbon	27.44	9	J
	Unknown siloxane	27.92	8	J
	Unknown aliphatic hydrocarbon	28.87	7	J

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K3-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870897 Date Analyzed: 08/06/02 Time Analyzed: 21:00
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1901010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	6	
75-71-8	Dichlorodifluoromethane	1	
75-45-6	Chlorodifluoromethane	22	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	2	
75-01-4	Vinyl Chloride	1	
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	1	
109-66-0	Pentane	6	
107-02-8	Acrolein	8	
75-35-4	1,1-Dichloroethene	7	
76-13-1	Freon 113	6	
67-64-1	Acetone	120	D
74-88-4	Methyl Iodide	0 2	U
75-15-0	Carbon Disulfide	22	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	11	
75-65-0	tert-Butyl Alcohol	3	
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	2	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	4	
75-34-3	1,1-Dichloroethane	25	
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	35	
78-93-3	2-Butanone	180	D
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	0.9	J
71-55-6	1,1,1-Trichloroethane	220	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K3-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870897 Date Analyzed: 08/06/02 Time Analyzed: 21:00
Injection Volume 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1901010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	3	
540-84-1	Isooctane	1	
142-82-5	Heptane	1	
79-01-6	Trichloroethene	80	
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.6	J
108-88-3	Toluene	32	
111-65-9	Octane	2	
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	150	D
591-78-6	2-Hexanone	1	
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	7	
1330-20-7	m/p-Xylene	27	
95-47-6	o-Xylene	12	
100-42-5	Styrene	2	
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.7	J
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

U = Compound was undetected at the specified limit of quantitation
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K3-9D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID· 3870897 Date Analyzed· 08/06/02 Time Analyzed: 21·00
Injection Volume 250 cc Nominal Volume: 250 cc Dilution Factor: 1 0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\1901010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	11	
108-67-8	1,3,5-Trimethylbenzene	6	
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	15	
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870898

Collected:08/01/2002 11:12 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:50
Discard: 10/15/2002
K-2/3-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K2-3D SDG#: DCK28-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 21:41	George M Main	25
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 22:23	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 21:41	George M Main	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 22:23	George M Main	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K2-3D Date Collected. 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870898 Date Analyzed: 08/06/02 Time Analyzed: 22:23
Injection Volume: 50 cc Nominal Volume· 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2101012.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown aliphatic hydrocarbon	21.61	5	J D
108-94-1	Cyclohexanone	24.54	61	J D
127-19-5	Acetamide, N,N-dimethyl-	24.79	25	J D
	Unknown	26.24	21	J D
	Unknown aliphatic hydrocarbon	26.47	11	J D
	Unknown aliphatic hydrocarbon	27.43	7	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870898 Date Analyzed: 08/06/02 Time Analyzed: 22:23
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2101012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	3	J D
75-71-8	Dichlorodifluoromethane	1	J D
75-45-6	Chlorodifluoromethane	7	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	3	J D
107-02-8	Acrolein	7	D
75-35-4	1,1-Dichloroethene	8	D
76-13-1	Freon 113	14	D
67-64-1	Acetone	70	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	11	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	U
75-65-0	tert-Butyl Alcohol	3	J D
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	3	J D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	31	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	120	D
78-93-3	2-Butanone	470	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	2	J D
71-55-6	1,1,1-Trichloroethane	200	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870898 Date Analyzed: 08/06/02 Time Analyzed: 22:23
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID C:\HPCHEM\1\DATA\AUG06\2101012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	850	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	30	D
111-65-9	Octane	2	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	380	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	5	D
1330-20-7	m/p-Xylene	17	D
95-47-6	o-Xylene	8	D
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K2-3D Date Collected 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870898 Date Analyzed: 08/06/02 Time Analyzed: 22:23
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2101012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870899

Collected:08/01/2002 11:40 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:50
Discard: 10/15/2002
K-3-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

K-3-D SDG#: DCK28-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/06/2002 23:50	George M Main	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 23:05	George M Main	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/06/2002 23:50	George M Main	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: K-3-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870899 Date Analyzed: 08/06/02 Time Analyzed: 23:50
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2301014.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.08	39	J D
67-63-0	Isopropyl Alcohol	10.81	57	J D
107-83-5	Pentane, 2-methyl-	11.23	130	J D
2213-23-2	Heptane, 2,4-dimethyl-	20.44	82	J D
	Unknown aliphatic hydrocarbon	21.62	80	J D
127-19-5	Acetamide, N,N-dimethyl-	24.71	69	J D
	Unknown aliphatic hydrocarbon	26.47	130	J D
	Unknown aliphatic hydrocarbon	27.43	130	J D
	Unknown siloxane	27.92	49	J D
	Unknown aliphatic hydrocarbon	31.02	38	J D

B = Compound was found in method blank. D = analysis of diluted sample
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-3-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870899 Date Analyzed: 08/06/02 Time Analyzed: 23:50
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2301014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	13	D
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	25	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	5	J D
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	2	U
109-66-0	Pentane	22	D
107-02-8	Acrolein	20	D
75-35-4	1,1-Dichloroethene	4	J D
76-13-1	Freon 113	210	D
67-64-1	Acetone	74	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	23	D
75-05-8	Acetonitrile	75	D
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	22	D
75-65-0	tert-Butyl Alcohol	34	D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	4	J D
1634-04-4	Methyl t-Butyl Ether	210	D
110-54-3	Hexane	23	D
75-34-3	1,1-Dichloroethane	160	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	260	D
78-93-3	2-Butanone	10	J D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	14	D
71-55-6	1,1,1-Trichloroethane	220	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-3-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870899 Date Analyzed: 08/06/02 Time Analyzed: 23:50
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2301014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	28	D
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	6	J D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	800	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	140	D
111-65-9	Octane	81	D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	13	D
127-18-4	Tetrachloroethene	2100	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	190	D
1330-20-7	m/p-Xylene	390	D
95-47-6	o-Xylene	230	D
100-42-5	Styrene	10	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: K-3-D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870899 Date Analyzed: 08/06/02 Time Analyzed: 23:50
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG06\2301014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	2	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3870900

Collected:08/01/2002 12:20 by TB

Account Number: 10160

Submitted: 08/03/2002 10:30
Reported: 08/15/2002 at 17:50
Discard: 10/15/2002
I-6/7-D Tedlar Bag Grab Air Sample
Site Code: SC001 RFA #: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

I6-7D SDG#: DCK28-12*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/07/2002 14:39	George M Main	5
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	08/08/2002 03:44	George M Main	50
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/07/2002 14:39	George M Main	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	08/08/2002 03:44	George M Main	50

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: I6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID. 3870900 Date Analyzed. 08/07/02 Time Analyzed: 14:39
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG07\0601005.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
75-28-5	Isobutane	6.11	42	J D
	Unknown C4H8 isomer	6.53	43	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.58	89	J D
67-63-0	Isopropyl Alcohol	10.83	60	J D
107-83-5	Pentane, 2-methyl-	11.24	20	J D
2213-23-2	Heptane, 2,4-dimethyl-	20.46	15	J D
	Unknown aliphatic hydrocarbon	21.63	19	J D
	Unknown aliphatic hydrocarbon	26.23	14	J D
	Unknown aliphatic hydrocarbon	26.47	19	J D
	Unknown aliphatic hydrocarbon	26.69	24	J D

B = Compound was found in method blank. D = analysis of diluted sample
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I6-7D Date Collected: 08/01/02 Date Received 08/03/02
Lab Sample ID: 3870900 Date Analyzed: 08/07/02 Time Analyzed: 14:39
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID· HP4224 Lab File ID. C:\HPCHEM\1\DATA\AUG07\0601005.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS· MDL ppb(v)	Q
115-07-1	Propene	23	D
75-71-8	Dichlorodifluoromethane	5	D
75-45-6	Chlorodifluoromethane	12	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	8	D
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	16	D
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	5	D
107-02-8	Acrolein	5	J D
75-35-4	1,1-Dichloroethene	6	D
76-13-1	Freon 113	390	D
67-64-1	Acetone	30	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	10	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	4	J D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	10	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	4	J D
75-34-3	1,1-Dichloroethane	310	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	420	D
78-93-3	2-Butanone	19	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	29	D
71-55-6	1,1,1-Trichloroethane	430	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870900 Date Analyzed: 08/07/02 Time Analyzed: 14:39
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5 0
Instrument ID. HP4224 Lab File ID· C.\HPCHEM\1\DATA\AUG07\0601005.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	5	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	1100	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	24	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2600	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	13	D
95-47-6	o-Xylene	5	J D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: I6-7D Date Collected: 08/01/02 Date Received: 08/03/02
Lab Sample ID: 3870900 Date Analyzed: 08/07/02 Time Analyzed: 14:39
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor. 5.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\AUG07\0601005.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	4	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	5	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817558
Reported: 08/15/02 at 05:50 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A022171AB	Sample number(s): 3870889-3870891							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N.D.	.2	ppb(v)					
Chloromethane	N.D.	.2	ppb(v)					
Vinyl Chloride	N.D.	.2	ppb(v)	127		43-158		
1,3-Butadiene	N.D.	1.	ppb(v)					
Bromomethane	N.D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	.2	ppb(v)					
Acrolein	N.D.	.5	ppb(v)					
1,1-Dichloroethene	N.D.	.2	ppb(v)					
Freon 113	N.D.	.5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N.D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D.	.5	ppb(v)					
Methylene Chloride	N.D.	.5	ppb(v)					
Acrylonitrile	N.D.	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N.D.	.2	ppb(v)					
Vinyl Acetate	N.D.	.2	ppb(v)					
cis-1,2-Dichloroethene	N D.	.2	ppb(v)					
2-Butanone	N.D.	.5	ppb(v)					
Ethyl Acetate	N.D.	.2	ppb(v)					
Methyl Acrylate	N.D.	.2	ppb(v)					
Chloroform	N.D.	.2	ppb(v)					
1,1,1-Trichloroethane	N.D.	.2	ppb(v)	106		54-174		
Carbon Tetrachloride	N.D.	.2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	90		51-163		
Isooctane	N.D.	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	97		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N.D.	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817558
Reported: 08/15/02 at 05:50 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Methyl-2-Pentanone	N.D.	.5	ppb(v)					
Toluene	N.D	.2	ppb(v)					
Octane	N.D.	.2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	.2	ppb(v)					
Ethylbenzene	N.D.	.2	ppb(v)	94		49-152		
m/p-Xylene	N.D.	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					
Cumene	N.D.	.2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N.D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N.D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					
Batch number: A022171AD	Sample number(s): 3870892-3870899							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N.D.	.2	ppb(v)					
Chloromethane	N.D.	.2	ppb(v)					
Vinyl Chloride	N.D.	.2	ppb(v)	127		43-158		
1,3-Butadiene	N.D.	1.	ppb(v)					
Bromomethane	N.D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	2	ppb(v)					
Acrolein	N D.	.5	ppb(v)					
1,1-Dichloroethene	N D.	.2	ppb(v)					

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817558
Reported: 08/15/02 at 05:50 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Freon 113	N.D.	.5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N.D.	5	ppb(v)					
Acetonitrile	N.D	5	ppb(v)					
3-Chloropropene	N.D.	5	ppb(v)					
Methylene Chloride	N.D.	5	ppb(v)					
Acrylonitrile	N.D.	5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	2	ppb(v)					
1,1-Dichloroethane	N.D.	2	ppb(v)					
Vinyl Acetate	N.D.	2	ppb(v)					
cis-1,2-Dichloroethene	N.D.	2	ppb(v)					
2-Butanone	N.D.	5	ppb(v)					
Ethyl Acetate	N.D	.2	ppb(v)					
Methyl Acrylate	N.D	.2	ppb(v)					
Chloroform	N.D	2	ppb(v)					
1,1,1-Trichloroethane	N.D.	.2	ppb(v)	106		54-174		
Carbon Tetrachloride	N.D	2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	90		51-163		
Isooctane	N.D.	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	97		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N.D.	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					
4-Methyl-2-Pentanone	N.D	5	ppb(v)					
Toluene	N.D.	.2	ppb(v)					
Octane	N.D.	.2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	2	ppb(v)					
Ethylbenzene	N.D.	2	ppb(v)	94		49-152		
m/p-Xylene	N.D	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 817558
Reported: 08/15/02 at 05:50 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cumene	N.D.	.2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N.D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N.D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					
Batch number. A022171AE	Sample number(s): 3870900							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D	2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N D.	.2	ppb(v)					
Chloromethane	N.D.	2	ppb(v)					
Vinyl Chloride	N.D.	2	ppb(v)	127		43-158		
1,3-Butadiene	N.D.	1.	ppb(v)					
Bromomethane	N.D	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	2	ppb(v)					
Pentane	N.D.	2	ppb(v)					
Acrolein	N.D.	.5	ppb(v)					
1,1-Dichloroethene	N.D.	.2	ppb(v)					
Freon 113	N.D.	5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N.D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D.	5	ppb(v)					
Methylene Chloride	N.D.	5	ppb(v)					
Acrylonitrile	N.D.	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N.D.	.2	ppb(v)					
Vinyl Acetate	N.D.	.2	ppb(v)					
cis-1,2-Dichloroethene	N.D.	2	ppb(v)					
2-Butanone	N.D.	5	ppb(v)					
Ethyl Acetate	N.D.	.2	ppb(v)					
Methyl Acrylate	N.D.	2	ppb(v)					

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 817558
Reported: 08/15/02 at 05:50 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroform	N.D.	.2	ppb(v)					
1,1,1-Trichloroethane	N.D.	.2	ppb(v)	106		54-174		
Carbon Tetrachloride	N.D.	.2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	90		51-163		
Isooctane	N.D.	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	97		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N.D.	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					
4-Methyl-2-Pentanone	N.D.	.5	ppb(v)					
Toluene	N.D.	.2	ppb(v)					
Octane	N.D.	.2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D.	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	.2	ppb(v)					
Ethylbenzene	N.D.	.2	ppb(v)	94		49-152		
m/p-Xylene	N.D.	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					
Cumene	N.D.	.2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 08/15/02 at 05:50 PM

Group Number: 817558

*- 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
Where quality is a science.

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 816691. Samples arrived at the laboratory on Saturday, July 27, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
SVE47 Tedlar Bag Sample	3865289
SVE50E Tedlar Bag Sample	3865290
SVE59N Tedlar Bag Sample	3865291
SVE59NW Tedlar Bag Sample	3865292
SVE40BN Tedlar Bag Sample	3865293
SVE59INE Tedlar Bag Sample	3865294
SVE59INW Tedlar Bag Sample	3865295

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

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

Lancaster Laboratories
Where quality is a science

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865289

Collected:07/24/2002 14:30 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE47 Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE47 SDG#: DCK20-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 18:24	Matthew S Thomas	3.3
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 17:44	Matthew S Thomas	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 18:24	Matthew S Thomas	3.3

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
106-97-8	Butane	6.59	12	J D
75-07-0	Acetaldehyde	7.12	16	J D
78-78-4	Butane, 2-methyl-	8.07	33	J D
	Unknown	9.49	12	J D
67-63-0	Isopropyl Alcohol	10.82	28	J D
107-83-5	Pentane, 2-methyl-	11.21	16	J D
	Unknown aliphatic hydrocarbon	20.45	14	J D
	Unknown aliphatic hydrocarbon	21.64	20	J D
	Unknown aliphatic hydrocarbon	26.49	15	J D
	Unknown aliphatic hydrocarbon	27.45	11	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
115-07-1	Propene	2	J D
75-71-8	Dichlorodifluoromethane	0.8	J D
75-45-6	Chlorodifluoromethane	4	D
76-14-2	Freon 114	0.7	U
74-87-3	Chloromethane	0.7	U
75-01-4	Vinyl Chloride	0.7	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.7	U
75-00-3	Chloroethane	0.7	U
75-43-4	Dichlorofluoromethane	0.7	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	13	D
107-02-8	Acrolein	9	D
75-35-4	1,1-Dichloroethene	2	J D
76-13-1	Freon 113	2	U
67-64-1	Acetone	33	D
74-88-4	Methyl Iodide	0.7	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	3	J D
107-05-1	3-Chloropropene	2	U
75-09-2	Methylene Chloride	5	D
75-65-0	tert-Butyl Alcohol	0.7	U
107-13-1	Acrylonitrile	2	U
156-60-5	trans-1,2-Dichloroethene	1	J D
1634-04-4	Methyl t-Butyl Ether	0.7	U
110-54-3	Hexane	6	D
75-34-3	1,1-Dichloroethane	10	D
108-05-4	Vinyl Acetate	0.7	U
156-59-2	cis-1,2-Dichloroethene	18	D
78-93-3	2-Butanone	16	D
141-78-6	Ethyl Acetate	0.7	U
96-33-3	Methyl Acrylate	0.7	U
67-66-3	Chloroform	0.7	U
71-55-6	1,1,1-Trichloroethane	94	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed: 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.7	U
107-06-2	1,2-Dichloroethane	0.7	U
71-43-2	Benzene	4	D
540-84-1	Isooctane	2	J D
142-82-5	Heptane	2	J D
79-01-6	Trichloroethene	110	D
140-88-5	Ethyl Acrylate	0.7	U
78-87-5	1,2-Dichloropropane	0.7	U
80-62-6	Methyl Methacrylate	0.7	U
74-95-3	Dibromomethane	0.7	U
123-91-1	1,4-Dioxane	0.7	U
75-27-4	Bromodichloromethane	0.7	U
10061-01-5	cis-1,3-Dichloropropene	0.7	U
108-10-1	4-Methyl-2-Pentanone	2	U
108-88-3	Toluene	37	D
111-65-9	Octane	2	J D
10061-02-6	trans-1,3-Dichloropropene	0.7	U
97-63-2	Ethyl Methacrylate	0.7	U
79-00-5	1,1,2-Trichloroethane	0.7	U
127-18-4	Tetrachloroethene	1100	D
591-78-6	2-Hexanone	2	U
124-48-1	Dibromochloromethane	0.7	U
106-93-4	1,2-Dibromoethane	0.7	U
108-90-7	Chlorobenzene	0.7	U
630-20-6	1,1,1,2-Tetrachloroethane	0.7	U
100-41-4	Ethylbenzene	4	D
1330-20-7	m/p-Xylene	15	D
95-47-6	o-Xylene	6	D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	0.7	U
98-82-8	Cumene	0.7	U
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U
96-18-4	1,2,3-Trichloropropane	0.7	U
108-86-1	Bromobenzene	0.7	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE47 Date Collected: 07/24/02 Date Received: 07/27/02
Lab Sample ID: 3865289 Date Analyzed· 07/28/02 Time Analyzed: 18:24
Injection Volume: 75 cc Nominal Volume. 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0701007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	4	D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	0.7	U
95-63-6	1,2,4-Trimethylbenzene	5	D
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
100-44-7	Benzyl chloride	0.7	U
95-50-1	1,2-Dichlorobenzene	2	U
67-72-1	Hexachloroethane	0.7	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

Lancaster Laboratories Sample No. AQ 3865290

Collected:07/25/2002 10:30 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE50E Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SV50E SDG#: DCK20-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 19:53	Matthew S Thomas	2.5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 19:08	Matthew S Thomas	12
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 19:53	Matthew S Thomas	2.5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SV50E Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865290 Date Analyzed: 07/28/02 Time Analyzed: 19:53
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
106-97-8	Butane	6.77	23	J D
	Unknown	7.37	12	J D
78-78-4	Butane, 2-methyl-	8.35	74	J D
	Unknown C5H10 isomer	9.90	8	J D
107-83-5	Pentane, 2-methyl-	11.45	15	J D
96-14-0	Pentane, 3-methyl-	12.05	10	J D
	Unknown aliphatic hydrocarbon	21.76	11	J D
	Unknown siloxane	24.51	14	J D
	Unknown aliphatic hydrocarbon	26.54	12	J D
	Unknown aliphatic hydrocarbon	27.49	10	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865290 Date Analyzed: 07/28/02 Time Analyzed: 19:53
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	0.5	U
75-71-8	Dichlorodifluoromethane	1	J D
75-45-6	Chlorodifluoromethane	3	D
76-14-2	Freon 114	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-43-4	Dichlorofluoromethane	0.5	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	30	D
107-02-8	Acrolein	1	U
75-35-4	1,1-Dichloroethene	3	D
76-13-1	Freon 113	2	J D
67-64-1	Acetone	23	D
74-88-4	Methyl Iodide	0.5	U
75-15-0	Carbon Disulfide	5	D
75-05-8	Acetonitrile	1	U
107-05-1	3-Chloropropene	1	U
75-09-2	Methylene Chloride	3	D
75-65-0	tert-Butyl Alcohol	0.5	U
107-13-1	Acrylonitrile	1	U
156-60-5	trans-1,2-Dichloroethene	3	D
1634-04-4	Methyl t-Butyl Ether	0.5	U
110-54-3	Hexane	9	D
75-34-3	1,1-Dichloroethane	38	D
108-05-4	Vinyl Acetate	0.5	U
156-59-2	cis-1,2-Dichloroethene	160	D
78-93-3	2-Butanone	10	D
141-78-6	Ethyl Acetate	0.5	U
96-33-3	Methyl Acrylate	0.5	U
67-66-3	Chloroform	0.5	U
71-55-6	1,1,1-Trichloroethane	62	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample
J = Compound was detected, but below the limit of quantitation.
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865290 Date Analyzed: 07/28/02 Time Analyzed: 19:53
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	8	D
540-84-1	Isooctane	5	D
142-82-5	Heptane	3	D
79-01-6	Trichloroethene	74	D
140-88-5	Ethyl Acrylate	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
80-62-6	Methyl Methacrylate	0.5	U
74-95-3	Dibromomethane	0.5	U
123-91-1	1,4-Dioxane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-10-1	4-Methyl-2-Pentanone	1	U
108-88-3	Toluene	33	D
111-65-9	Octane	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
97-63-2	Ethyl Methacrylate	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	540	D
591-78-6	2-Hexanone	1	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	4	D
1330-20-7	m/p-Xylene	19	D
95-47-6	o-Xylene	7	D
100-42-5	Styrene	0.8	J D
75-25-2	Bromoform	0.5	U
98-82-8	Cumene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV50E Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865290 Date Analyzed: 07/28/02 Time Analyzed: 19:53
Injection Volume: 100 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\0901009.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	8	D
108-67-8	1,3,5-Trimethylbenzene	3	D
98-83-9	Alpha Methyl Styrene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	9	D
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
100-44-7	Benzyl chloride	0.5	U
95-50-1	1,2-Dichlorobenzene	1	U
67-72-1	Hexachloroethane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865291

Collected:07/25/2002 14:50 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE59N Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SV59N SDG#: DCK20-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 21:29	Matthew S Thomas	100
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 20:39	Matthew S Thomas	667
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 21:29	Matthew S Thomas	100

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SV59N Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865291 Date Analyzed: 07/28/02 Time Analyzed: 21:29
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 100.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown	5.84	520	J D
78-78-4	Butane, 2-methyl-	8.41	1200	J D
107-83-5	Pentane, 2-methyl-	11.45	300	J D
	Unknown aliphatic hydrocarbon	20.58	140	J D
	Unknown siloxane	24.51	210	J D
	Unknown aliphatic hydrocarbon	26.53	460	J D
	Unknown aliphatic hydrocarbon	27.39	140	J D
	Unknown aliphatic hydrocarbon	27.49	330	J D
	Unknown siloxane	27.99	490	J D
	Unknown aliphatic hydrocarbon	31.08	150	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865291 Date Analyzed: 07/28/02 Time Analyzed: 21:29
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 100.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-45-6	Chlorodifluoromethane	640	D
76-14-2	Freon 114	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
106-99-0	1,3-Butadiene	100	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	170	D
75-43-4	Dichlorofluoromethane	20	U
75-69-4	Trichlorofluoromethane	25	J D
109-66-0	Pentane	210	D
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	270	D
76-13-1	Freon 113	50	U
67-64-1	Acetone	600	D
74-88-4	Methyl Iodide	20	U
75-15-0	Carbon Disulfide	120	D
75-05-8	Acetonitrile	50	U
107-05-1	3-Chloropropene	50	U
75-09-2	Methylene Chloride	220	D
75-65-0	tert-Butyl Alcohol	20	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl t-Butyl Ether	20	U
110-54-3	Hexane	73	J D
75-34-3	1,1-Dichloroethane	190	D
108-05-4	Vinyl Acetate	20	U
156-59-2	cis-1,2-Dichloroethene	470	D
78-93-3	2-Butanone	300	D
141-78-6	Ethyl Acetate	20	U
96-33-3	Methyl Acrylate	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	2400	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N Date Collected: 07/25/02 Date Received· 07/27/02
Lab Sample ID: 3865291 Date Analyzed: 07/28/02 Time Analyzed: 21:29
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor. 100.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	20	U
107-06-2	1,2-Dichloroethane	20	U
71-43-2	Benzene	20	U
540-84-1	Isooctane	20	U
142-82-5	Heptane	20	U
79-01-6	Trichloroethene	890	D
140-88-5	Ethyl Acrylate	20	U
78-87-5	1,2-Dichloropropane	20	U
80-62-6	Methyl Methacrylate	20	U
74-95-3	Dibromomethane	20	U
123-91-1	1,4-Dioxane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	480	D
111-65-9	Octane	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
97-63-2	Ethyl Methacrylate	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	19000	D
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
630-20-6	1,1,1,2-Tetrachloroethane	20	U
100-41-4	Ethylbenzene	28	J D
1330-20-7	m/p-Xylene	74	J D
95-47-6	o-Xylene	35	J D
100-42-5	Styrene	23	J D
75-25-2	Bromoform	20	U
98-82-8	Cumene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
96-18-4	1,2,3-Trichloropropane	20	U
108-86-1	Bromobenzene	20	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SV59N Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865291 Date Analyzed: 07/28/02 Time Analyzed: 21:29
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 100.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1101011.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	20	J D
108-67-8	1,3,5-Trimethylbenzene	20	U
98-83-9	Alpha Methyl Styrene	20	U
95-63-6	1,2,4-Trimethylbenzene	35	J D
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
100-44-7	Benzyl chloride	20	U
95-50-1	1,2-Dichlorobenzene	50	U
67-72-1	Hexachloroethane	20	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	50	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865292

Collected:07/25/2002 15:40 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE59NW Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S59NW SDG#: DCK20-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 22:12	Matthew S Thomas	83
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 23:00	Matthew S Thomas	12
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 22:12	Matthew S Thomas	83
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 23:00	Matthew S Thomas	12

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S59NW Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865292 Date Analyzed: 07/28/02 Time Analyzed: 23:00
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1301013.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.30	49	J D
67-63-0	Isopropyl Alcohol	11.15	48	J D
107-83-5	Pentane, 2-methyl-	11.37	53	J D
	Unknown aliphatic hydrocarbon	20.52	79	J D
	Unknown aliphatic hydrocarbon	21.69	80	J D
	Unknown aliphatic hydrocarbon	26.51	110	J D
104-76-7	1-Hexanol, 2-ethyl-	27.06	38	J D
	Unknown aliphatic hydrocarbon	27.48	68	J D
	Unknown siloxane	27.97	100	J D
	Unknown	31.42	42	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59NW Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865292 Date Analyzed: 07/28/02 Time Analyzed: 23:00
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1301013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	9	J D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	230	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	12	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	6	J D
109-66-0	Pentane	14	D
107-02-8	Acrolein	8	J D
75-35-4	1,1-Dichloroethene	600	D
76-13-1	Freon 113	10	J D
67-64-1	Acetone	78	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	17	D
75-05-8	Acetonitrile	6	U
107-05-1	3-Chloropropene	6	U
75-09-2	Methylene Chloride	23	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	6	U
156-60-5	trans-1,2-Dichloroethene	24	D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	17	D
75-34-3	1,1-Dichloroethane	160	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	520	D
78-93-3	2-Butanone	38	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	8	J D
71-55-6	1,1,1-Trichloroethane	3200	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59NW Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865292 Date Analyzed: 07/28/02 Time Analyzed: 23:00
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1301013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	14	D
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	4	J D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	340	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	6	U
108-88-3	Toluene	53	D
111-65-9	Octane	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2900	D
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	10	J D
95-47-6	o-Xylene	4	J D
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59NW Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865292 Date Analyzed: 07/28/02 Time Analyzed: 23:00
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1301013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	5	J D
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	6	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	12	U
87-68-3	Hexachlorobutadiene	6	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865293

Collected:07/25/2002 16:30 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE40BN Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40BN SDG#: DCK20-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/28/2002 23:43	Matthew S Thomas	67
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/29/2002 00:36	Matthew S Thomas	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/28/2002 23:43	Matthew S Thomas	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/29/2002 00:36	Matthew S Thomas	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40BN Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865293 Date Analyzed: 07/29/02 Time Analyzed: 00:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1501015.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.67	39	J D
78-78-4	Butane, 2-methyl-	8.22	180	J D
67-63-0	Isopropyl Alcohol	10.94	110	J D
107-83-5	Pentane, 2-methyl-	11.32	190	J D
	Unknown aliphatic hydrocarbon	20.48	130	J D
	Unknown aliphatic hydrocarbon	21.67	120	J D
	Unknown aliphatic hydrocarbon	26.50	170	J D
	Unknown aliphatic hydrocarbon	27.46	190	J D
	Unknown aliphatic hydrocarbon	27.58	39	J D
	Unknown siloxane	27.96	54	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40BN Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865293 Date Analyzed: 07/29/02 Time Analyzed: 00:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1501015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
115-07-1	Propene	12	D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	630	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	7	J D
109-66-0	Pentane	56	D
107-02-8	Acrolein	17	D
75-35-4	1,1-Dichloroethene	230	D
76-13-1	Freon 113	25	D
67-64-1	Acetone	88	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	30	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	33	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	37	D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	42	D
75-34-3	1,1-Dichloroethane	160	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	640	D
78-93-3	2-Butanone	44	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	2	J D
71-55-6	1,1,1-Trichloroethane	2400	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40BN Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865293 Date Analyzed: 07/29/02 Time Analyzed: 00:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1501015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q	
56-23-5	Carbon Tetrachloride	2	U	
107-06-2	1,2-Dichloroethane	2	U	
71-43-2	Benzene	6	J	D
540-84-1	Isooctane	2	U	
142-82-5	Heptane	3	J	D
79-01-6	Trichloroethene	570		D
140-88-5	Ethyl Acrylate	2	U	
78-87-5	1,2-Dichloropropane	2	U	
80-62-6	Methyl Methacrylate	2	U	
74-95-3	Dibromomethane	2	U	
123-91-1	1,4-Dioxane	2	U	
75-27-4	Bromodichloromethane	2	U	
10061-01-5	cis-1,3-Dichloropropene	2	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	68		D
111-65-9	Octane	2	J	D
10061-02-6	trans-1,3-Dichloropropene	2	U	
97-63-2	Ethyl Methacrylate	2	U	
79-00-5	1,1,2-Trichloroethane	2	U	
127-18-4	Tetrachloroethene	1700		D
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	2	U	
106-93-4	1,2-Dibromoethane	2	U	
108-90-7	Chlorobenzene	2	U	
630-20-6	1,1,1,2-Tetrachloroethane	2	U	
100-41-4	Ethylbenzene	7	J	D
1330-20-7	m/p-Xylene	11		D
95-47-6	o-Xylene	4	J	D
100-42-5	Styrene	3	J	D
75-25-2	Bromoform	2	U	
98-82-8	Cumene	2	U	
79-34-5	1,1,2,2-Tetrachloroethane	2	U	
96-18-4	1,2,3-Trichloropropane	2	U	
108-86-1	Bromobenzene	2	U	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40BN Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865293 Date Analyzed: 07/29/02 Time Analyzed: 00:36
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1501015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	6	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	12	D
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865294

Collected:07/25/2002 18:40 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:13
Discard: 10/01/2002
SVE59INE Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

59INE SDG#: DCK20-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/29/2002 10:10	Matthew S Thomas	1
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/29/2002 01:19	Matthew S Thomas	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/29/2002 10:10	Matthew S Thomas	1

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: 59INE Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865294 Date Analyzed: 07/29/02 Time Analyzed: 10:10
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\2101021.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
75-68-3	Ethane, 1-chloro-1,1-difluoro-	6.23	7	J
75-07-0	Acetaldehyde	7.13	4	J
78-78-4	Butane, 2-methyl-	8.10	3	J
67-63-0	Isopropyl Alcohol	10.81	9	J
	Unknown siloxane	24.44	5	J
127-19-5	Acetamide, N,N-dimethyl-	24.72	10	J
	Unknown	25.71	4	J
	Unknown aliphatic hydrocarbon	26.48	8	J
104-76-7	1-Hexanol, 2-ethyl-	27.02	3	J
	Unknown siloxane	27.94	6	J

B = Compound was found in method blank D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INE Date Collected 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865294 Date Analyzed· 07/29/02 Time Analyzed: 10:10
Injection Volume: 250 cc Nominal Volume· 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\2101021.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	0.4	J
75-71-8	Dichlorodifluoromethane	1	
75-45-6	Chlorodifluoromethane	15	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	3	
109-66-0	Pentane	3	
107-02-8	Acrolein	2	
75-35-4	1,1-Dichloroethene	2	
76-13-1	Freon 113	0.5	U
67-64-1	Acetone	27	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	12	
75-05-8	Acetonitrile	6	
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	3	
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.4	J
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	2	
75-34-3	1,1-Dichloroethane	3	
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	9	
78-93-3	2-Butanone	7	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	0.5	J
71-55-6	1,1,1-Trichloroethane	68	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INE Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865294 Date Analyzed: 07/29/02 Time Analyzed: 10:10
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL28\2101021.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.2	U
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	2	
540-84-1	Isooctane	0.8	J
142-82-5	Heptane	1	
79-01-6	Trichloroethene	150	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.7	J
108-88-3	Toluene	20	
111-65-9	Octane	1	
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	220	D
591-78-6	2-Hexanone	1	
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	4	
1330-20-7	m/p-Xylene	16	
95-47-6	o-Xylene	7	
100-42-5	Styrene	1	
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INE Date Collected: 07/25/02 Date Received: 07/27/02
Lab Sample ID: 3865294 Date Analyzed: 07/29/02 Time Analyzed: 10:10
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\2101021.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	
108-67-8	1,3,5-Trimethylbenzene	2	
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	6	
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3865295

Collected:07/26/2002 11:40 by JE

Account Number: 10160

Submitted: 07/27/2002 10:15
Reported: 08/01/2002 at 13:14
Discard: 10/01/2002
SVE59INW Tedlar Bag Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

59INW SDG#: DCK20-07*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/29/2002 02:46	Matthew S Thomas	67
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/29/2002 03:32	Matthew S Thomas	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/29/2002 02:46	Matthew S Thomas	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/29/2002 03:32	Matthew S Thomas	10

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: 59INW Date Collected: 07/26/02 Date Received: 07/27/02
Lab Sample ID: 3865295 Date Analyzed: 07/29/02 Time Analyzed: 03:32
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1901019.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.11	63	J D
67-63-0	Isopropyl Alcohol	10.83	57	J D
107-83-5	Pentane, 2-methyl-	11.23	20	J D
127-19-5	Acetamide, N,N-dimethyl-	24.83	52	J D
	Unknown aliphatic hydrocarbon	26.50	68	J D
104-76-7	1-Hexanol, 2-ethyl-	27.03	25	J D
	Unknown aliphatic hydrocarbon	27.45	39	J D
	Unknown aliphatic hydrocarbon	27.58	25	J D
	Unknown siloxane	27.95	80	J D
	Unknown	31.36	29	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INW Date Collected: 07/26/02 Date Received: 07/27/02
Lab Sample ID: 3865295 Date Analyzed: 07/29/02 Time Analyzed: 03:32
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1901019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	15	D
75-71-8	Dichlorodifluoromethane	3	J D
75-45-6	Chlorodifluoromethane	64	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	20	D
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	7	J D
109-66-0	Pentane	19	D
107-02-8	Acrolein	13	D
75-35-4	1,1-Dichloroethene	150	D
76-13-1	Freon 113	7	J D
67-64-1	Acetone	100	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	32	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	40	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	3	J D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	10	D
75-34-3	1,1-Dichloroethane	53	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	150	D
78-93-3	2-Butanone	42	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	1200	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INW Date Collected: 07/26/02 Date Received: 07/27/02
Lab Sample ID: 3865295 Date Analyzed: 07/29/02 Time Analyzed: 03:32
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1901019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q	
56-23-5	Carbon Tetrachloride	2	U	
107-06-2	1,2-Dichloroethane	2	U	
71-43-2	Benzene	5	J	D
540-84-1	Isooctane	2	U	
142-82-5	Heptane	2	J	D
79-01-6	Trichloroethene	390		D
140-88-5	Ethyl Acrylate	2	U	
78-87-5	1,2-Dichloropropane	2	U	
80-62-6	Methyl Methacrylate	2	U	
74-95-3	Dibromomethane	2	U	
123-91-1	1,4-Dioxane	2	U	
75-27-4	Bromodichloromethane	2	U	
10061-01-5	cis-1,3-Dichloropropene	2	U	
108-10-1	4-Methyl-2-Pentanone	5	U	
108-88-3	Toluene	78		D
111-65-9	Octane	3	J	D
10061-02-6	trans-1,3-Dichloropropene	2	U	
97-63-2	Ethyl Methacrylate	2	U	
79-00-5	1,1,2-Trichloroethane	2	U	
127-18-4	Tetrachloroethene	2700		D
591-78-6	2-Hexanone	5	U	
124-48-1	Dibromochloromethane	2	U	
106-93-4	1,2-Dibromoethane	2	U	
108-90-7	Chlorobenzene	2	U	
630-20-6	1,1,1,2-Tetrachloroethane	2	U	
100-41-4	Ethylbenzene	6	J	D
1330-20-7	m/p-Xylene	20		D
95-47-6	o-Xylene	8	J	D
100-42-5	Styrene	4	J	D
75-25-2	Bromoform	2	U	
98-82-8	Cumene	2	U	
79-34-5	1,1,2,2-Tetrachloroethane	2	U	
96-18-4	1,2,3-Trichloropropane	2	U	
108-86-1	Bromobenzene	2	U	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: 59INW Date Collected: 07/26/02 Date Received: 07/27/02
Lab Sample ID: 3865295 Date Analyzed: 07/29/02 Time Analyzed: 03:32
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL28\1901019.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	5	J D
108-67-8	1,3,5-Trimethylbenzene	3	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	8	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 816691
Reported: 08/01/02 at 01:14 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A022101AA	Sample number(s): 3865289-3865295							
tert-Butyl Alcohol	N.D.	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N.D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N.D.	.2	ppb(v)					
Chloromethane	N.D.	.2	ppb(v)					
Vinyl Chloride	N.D.	.2	ppb(v)	135		43-158		
1,3-Butadiene	N.D.	1	ppb(v)					
Bromomethane	N D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	.2	ppb(v)					
Acrolein	N.D.	.5	ppb(v)					
1,1-Dichloroethene	N.D.	.2	ppb(v)					
Freon 113	N.D.	.5	ppb(v)					
Acetone	N.D.	1.	ppb(v)					
Methyl Iodide	N.D.	.2	ppb(v)					
Carbon Disulfide	N.D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D.	.5	ppb(v)					
Methylene Chloride	N.D.	.5	ppb(v)					
Acrylonitrile	N.D.	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N.D.	.2	ppb(v)					
Vinyl Acetate	N.D.	.2	ppb(v)					
cis-1,2-Dichloroethene	N.D.	.2	ppb(v)					
2-Butanone	N.D.	.5	ppb(v)					
Ethyl Acetate	N.D.	.2	ppb(v)					
Methyl Acrylate	N.D.	.2	ppb(v)					
Chloroform	N.D.	.2	ppb(v)					
1,1,1-Trichloroethane	N.D.	.2	ppb(v)	117		54-174		
Carbon Tetrachloride	N D.	.2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	2	ppb(v)	113		51-163		
Isooctane	N.D.	2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	2	ppb(v)	105		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N D.	2	ppb(v)					
Methyl Methacrylate	N.D	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 816691
Reported: 08/01/02 at 01:14 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Methyl-2-Pentanone	N.D.	.5	ppb(v)					
Toluene	N.D.	.2	ppb(v)					
Octane	N.D.	.2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	.2	ppb(v)					
2-Hexanone	N.D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D.	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	.2	ppb(v)					
Ethylbenzene	N.D.	.2	ppb(v)	95		49-152		
m/p-Xylene	N.D.	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					
Cumene	N.D.	2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D.	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	.2	ppb(v)					
Alpha Methyl Styrene	N.D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N.D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	66		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					

*- 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
Where quality is a science.

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 816875. Samples arrived at the laboratory on Tuesday, July 30, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
SVE-53 Grab Tedlar Bag Air Sample	3866919
SVE-40-NE Grab Tedlar Bag Air Sample	3866920
SVE-40-AN Grab Tedlar Bag Air Sample	3866921
SVE-40-NW Grab Tedlar Bag Air Sample	3866922
SVE-40-S Grab Tedlar Bag Air Sample	3866923
SVE-3A Grab Tedlar Bag Air Sample	3866924
SVE-59-IS Grab Tedlar Bag Air Sample	3866925
SVE-40-C Grab Tedlar Bag Air Sample	3866926
SVE-40A-S Grab Tedlar Bag Air Sample	3866927
SVE-59I-C Grab Tedlar Bag Air Sample	3866928

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

Lancaster Laboratories

Where quality is a science.

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

Respectfully Submitted,

Michele M. Turner

Michele M. Turner
Manager

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866919

Collected:07/26/2002 09:30 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:45
Discard: 10/07/2002
SVE-53 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE53 SDG#: DCK22-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilutic Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 16:16	Matthew S Thomas	167
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 17:02	Matthew S Thomas	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 17:02	Matthew S Thomas	25

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SVE53 Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866919 Date Analyzed: 07/30/02 Time Analyzed: 17:02
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0701006.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.56	57	J D
78-78-4	Butane, 2-methyl-	8.11	200	J D
67-63-0	Isopropyl Alcohol	10.82	200	J D
107-83-5	Pentane, 2-methyl-	11 23	82	J D
2213-23-2	Heptane, 2,4-dimethyl-	20.45	49	J D
	Unknown siloxane	24.46	47	J D
	Unknown aliphatic hydrocarbon	26.50	160	J D
104-76-7	1-Hexanol, 2-ethyl-	27.04	47	J D
	Unknown aliphatic hydrocarbon	27.46	86	J D
	Unknown siloxane	27.95	200	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE53 Date Collected: 07/26/02 Date Received. 07/30/02
Lab Sample ID: 3866919 Date Analyzed· 07/30/02 Time Analyzed: 17:02
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C.\HPCHEM\1\DATA\JUL30\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	12	J D
75-71-8	Dichlorodifluoromethane	5	U
75-45-6	Chlorodifluoromethane	460	D
76-14-2	Freon 114	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
106-99-0	1,3-Butadiene	25	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-43-4	Dichlorofluoromethane	5	U
75-69-4	Trichlorofluoromethane	5	U
109-66-0	Pentane	43	D
107-02-8	Acrolein	13	U
75-35-4	1,1-Dichloroethene	26	D
76-13-1	Freon 113	37	D
67-64-1	Acetone	110	D
74-88-4	Methyl Iodide	5	U
75-15-0	Carbon Disulfide	31	D
75-05-8	Acetonitrile	13	U
107-05-1	3-Chloropropene	13	U
75-09-2	Methylene Chloride	54	D
75-65-0	tert-Butyl Alcohol	5	U
107-13-1	Acrylonitrile	13	U
156-60-5	trans-1,2-Dichloroethene	95	D
1634-04-4	Methyl t-Butyl Ether	5	U
110-54-3	Hexane	13	J D
75-34-3	1,1-Dichloroethane	770	D
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	8000	D
78-93-3	2-Butanone	51	D
141-78-6	Ethyl Acetate	5	U
96-33-3	Methyl Acrylate	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	1100	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE53 Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866919 Date Analyzed: 07/30/02 Time Analyzed: 17:02
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	51	D
540-84-1	Isooctane	5	U
142-82-5	Heptane	5	U
79-01-6	Trichloroethene	210	D
140-88-5	Ethyl Acrylate	5	U
78-87-5	1,2-Dichloropropane	5	U
80-62-6	Methyl Methacrylate	5	U
74-95-3	Dibromomethane	5	U
123-91-1	1,4-Dioxane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	87	D
111-65-9	Octane	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	2000	D
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	J D
1330-20-7	m/p-Xylene	17	J D
95-47-6	o-Xylene	6	J D
100-42-5	Styrene	5	J D
75-25-2	Bromoform	5	U
98-82-8	Cumene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
108-86-1	Bromobenzene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE53 Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866919 Date Analyzed: 07/30/02 Time Analyzed· 17:02
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 25.0
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\JUL30\0701006.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	7	J D
108-67-8	1,3,5-Trimethylbenzene	5	U
98-83-9	Alpha Methyl Styrene	5	U
95-63-6	1,2,4-Trimethylbenzene	13	J D
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
100-44-7	Benzyl chloride	5	U
95-50-1	1,2-Dichlorobenzene	13	U
67-72-1	Hexachloroethane	5	U
120-82-1	1,2,4-Trichlorobenzene	25	U
87-68-3	Hexachlorobutadiene	13	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866920

Collected:07/26/2002 07:55 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:45
Discard: 10/07/2002
SVE-40-NE Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40NE SDG#: DCK22-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 20:04	Matthew S Thomas	10
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 19:18	Matthew S Thomas	67
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 20:04	Matthew S Thomas	10

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40NE Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866920 Date Analyzed: 07/30/02 Time Analyzed: 20:04
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1101010.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
75-28-5	Isobutane	6.13	41	J D
	Unknown C4H8 isomer	6.58	210	J D
78-78-4	Butane, 2-methyl-	8.14	120	J D
67-63-0	Isopropyl Alcohol	10.85	51	J D
107-83-5	Pentane, 2-methyl-	11.26	42	J D
108-87-2	Cyclohexane, methyl-	17.59	34	J D
127-19-5	Acetamide, N,N-dimethyl-	24.75	34	J D
	Unknown aliphatic hydrocarbon	26.50	84	J D
	Unknown C4H8 isomer	27.45	41	J D
	Unknown siloxane	27.95	68	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NE Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866920 Date Analyzed· 07/30/02 Time Analyzed: 20:04
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID. C \HPCHEM\1\DATA\JUL30\1101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
115-07-1	Propene	41	D
75-71-8	Dichlorodifluoromethane	9	J D
75-45-6	Chlorodifluoromethane	82	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	210	D
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	17	D
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	3	J D
109-66-0	Pentane	31	D
107-02-8	Acrolein	9	J D
75-35-4	1,1-Dichloroethene	12	D
76-13-1	Freon 113	31	D
67-64-1	Acetone	71	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	22	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	35	D
75-65-0	tert-Butyl Alcohol	9	J D
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	6	J D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	7	J D
75-34-3	1,1-Dichloroethane	660	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	360	D
78-93-3	2-Butanone	33	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	4	J D
71-55-6	1,1,1-Trichloroethane	560	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NE Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866920 Date Analyzed: 07/30/02 Time Analyzed: 20:04
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10 0
Instrument ID. HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	4	J D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	J D
79-01-6	Trichloroethene	410	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	48	D
111-65-9.	Octane	4	J D
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	3600	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	4	J D
1330-20-7	m/p-Xylene	10	D
95-47-6	o-Xylene	4	J D
100-42-5	Styrene	3	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NE Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866920 Date Analyzed 07/30/02 Time Analyzed: 20:04
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL30\1101010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	6	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866921

Collected:07/26/2002 08:55 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:45
Discard: 10/07/2002
SVE-40-AN Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40AN SDG#: DCK22-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 20:44	Matthew S Thomas	33
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 21:31	Matthew S Thomas	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 20:44	Matthew S Thomas	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 21:31	Matthew S Thomas	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40AN Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866921 Date Analyzed: 07/30/02 Time Analyzed: 21:31
Injection Volume: 500 cc Nominal Volume. 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID. C.\HPCHEM\1\DATA\JUL30\1301012.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.58	12	J D
78-78-4	Butane, 2-methyl-	8.15	66	J D
67-63-0	Isopropyl Alcohol	10.88	46	J D
107-83-5	Pentane, 2-methyl-	11.27	15	J D
	Unknown siloxane	24.45	130	J D
127-19-5	Acetamide, N,N-dimethyl-	24.87	29	J D
	Unknown aliphatic hydrocarbon	26.50	39	J D
	Unknown aliphatic hydrocarbon	27.45	24	J D
	Unknown siloxane	27.95	150	J D
	Unknown	31.36	20	J D

B = Compound was found in method blank D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40AN Date Collected: 07/26/02 Date Received 07/30/02
Lab Sample ID: 3866921 Date Analyzed: 07/30/02 Time Analyzed: 21:31
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	3	J D
75-71-8	Dichlorodifluoromethane	1	U
75-45-6	Chlorodifluoromethane	54	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	12	D
107-02-8	Acrolein	7	D
75-35-4	1,1-Dichloroethene	7	D
76-13-1	Freon 113	5	J D
67-64-1	Acetone	46	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	13	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	18	D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	22	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	3	J D
75-34-3	1,1-Dichloroethane	160	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	1000	D
78-93-3	2-Butanone	24	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	2	J D
71-55-6	1,1,1-Trichloroethane	410	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40AN Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866921 Date Analyzed: 07/30/02 Time Analyzed: 21:31
Injection Volume 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	130	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	38	D
111-65-9	Octane	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1300	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	J D
1330-20-7	m/p-Xylene	4	J D
95-47-6	o-Xylene	2	J D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No. S40AN Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866921 Date Analyzed: 07/30/02 Time Analyzed: 21:31
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL30\1301012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	1	J D
108-67-8	1,3,5-Trimethylbenzene	1	U
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	2	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866922

Collected:07/26/2002 08:30 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:45
Discard: 10/07/2002
SVE-40-NW Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40NW SDG#: DCK22-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext List Tedlar	EPA TO14	1	07/30/2002 22:13	Matthew S Thomas	33
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 22:59	Matthew S Thomas	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 22:13	Matthew S Thomas	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 22:59	Matthew S Thomas	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40NW Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866922 Date Analyzed 07/30/02 Time Analyzed: 22:59
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1501014.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
79-38-9	Ethene, chlorotrifluoro-	5.62	59	J D
78-78-4	Butane, 2-methyl-	8.14	68	J D
	Unknown	9.62	17	J D
67-63-0	Isopropyl Alcohol	10.86	41	J D
107-83-5	Pentane, 2-methyl-	11.26	20	J D
127-19-5	Acetamide, N,N-dimethyl-	24.72	30	J D
	Unknown aliphatic hydrocarbon	26.49	38	J D
	Unknown aliphatic hydrocarbon	27.45	21	J D
	Unknown siloxane	27.95	36	J D
	Unknown	31.35	13	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NW Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866922 Date Analyzed: 07/30/02 Time Analyzed: 22:59
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1501014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	11	D
75-71-8	Dichlorodifluoromethane	1	U
75-45-6	Chlorodifluoromethane	310	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	15	D
107-02-8	Acrolein	7	D
75-35-4	1,1-Dichloroethene	1	J D
76-13-1	Freon 113	970	D
67-64-1	Acetone	50	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	13	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	15	D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	4	J D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	5	J D
75-34-3	1,1-Dichloroethane	3	J D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	32	D
78-93-3	2-Butanone	29	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	17	D
71-55-6	1,1,1-Trichloroethane	110	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NW Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866922 Date Analyzed: 07/30/02 Time Analyzed: 22:59
Injection Volume 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1501014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	3	J D
540-84-1	Isooctane	1	J D
142-82-5	Heptane	1	J D
79-01-6	Trichloroethene	1900	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	42	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1300	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	2	J D
1330-20-7	m/p-Xylene	7	D
95-47-6	o-Xylene	3	J D
100-42-5	Styrene	2	J D
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample
J = Compound was detected, but below the limit of quantitation.
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40NW Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID· 3866922 Date Analyzed: 07/30/02 Time Analyzed: 22:59
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID. HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1501014 D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	2	J D
108-67-8	1,3,5-Trimethylbenzene	1	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866923

Collected:07/26/2002 07:30 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-40-S Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40-S SDG#: DCK22-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/31/2002 01:25	Matthew S Thomas	3.3
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 23:41	Matthew S Thomas	25
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 01:25	Matthew S Thomas	3.3

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40-S Date Collected: 07/26/02 Date Received. 07/30/02
Lab Sample ID: 3866923 Date Analyzed: 07/31/02 Time Analyzed: 01.25
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID· HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL30\1701016.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.13	7	J D
	Unknown	8.74	5	J D
67-63-0	Isopropyl Alcohol	10.85	49	J D
	Unknown aliphatic hydrocarbon	21.65	3	J D
127-19-5	Acetamide, N,N-dimethyl-	24.75	14	J D
	Unknown aliphatic hydrocarbon	26.49	13	J D
104-76-7	1-Hexanol, 2-ethyl-	27.03	4	J D
	Unknown aliphatic hydrocarbon	27.45	6	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40-S Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866923 Date Analyzed: 07/31/02 Time Analyzed: 01·25
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor 3.3
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1701016 D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	0.7	U
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	23	D
76-14-2	Freon 114	0.7	U
74-87-3	Chloromethane	0.7	U
75-01-4	Vinyl Chloride	0.7	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.7	U
75-00-3	Chloroethane	0.7	U
75-43-4	Dichlorofluoromethane	0.7	U
75-69-4	Trichlorofluoromethane	0.8	J D
109-66-0	Pentane	5	D
107-02-8	Acrolein	3	J D
75-35-4	1,1-Dichloroethene	1	J D
76-13-1	Freon 113	48	D
67-64-1	Acetone	23	D
74-88-4	Methyl Iodide	0 7	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	2	U
107-05-1	3-Chloropropene	2	U
75-09-2	Methylene Chloride	6	D
75-65-0	tert-Butyl Alcohol	0.7	U
107-13-1	Acrylonitrile	2	U
156-60-5	trans-1,2-Dichloroethene	0.7	U
1634-04-4	Methyl t-Butyl Ether	0.7	U
110-54-3	Hexane	0.7	U
75-34-3	1,1-Dichloroethane	3	D
108-05-4	Vinyl Acetate	0.7	U
156-59-2	cis-1,2-Dichloroethene	6	D
78-93-3	2-Butanone	12	D
141-78-6	Ethyl Acetate	0.7	U
96-33-3	Methyl Acrylate	0.7	U
67-66-3	Chloroform	6	D
71-55-6	1,1,1-Trichloroethane	320	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No : S40-S Date Collected: 07/26/02 Date Received 07/30/02
Lab Sample ID: 3866923 Date Analyzed: 07/31/02 Time Analyzed. 01:25
Injection Volume 75 cc Nominal Volume: 250 cc Dilution Factor: 3 3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1701016.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.7	U
107-06-2	1,2-Dichloroethane	0.7	U
71-43-2	Benzene	1	J D
540-84-1	Isooctane	0.7	U
142-82-5	Heptane	0.7	U
79-01-6	Trichloroethene	700	D
140-88-5	Ethyl Acrylate	0.7	U
78-87-5	1,2-Dichloropropane	0.7	U
80-62-6	Methyl Methacrylate	0.7	U
74-95-3	Dibromomethane	0.7	U
123-91-1	1,4-Dioxane	0.7	U
75-27-4	Bromodichloromethane	0.7	U
10061-01-5	cis-1,3-Dichloropropene	0.7	U
108-10-1	4-Methyl-2-Pentanone	2	U
108-88-3	Toluene	17	D
111-65-9	Octane	0.7	U
10061-02-6	trans-1,3-Dichloropropene	0.7	U
97-63-2	Ethyl Methacrylate	0.7	U
79-00-5	1,1,2-Trichloroethane	0.7	U
127-18-4	Tetrachloroethene	850	D
591-78-6	2-Hexanone	2	U
124-48-1	Dibromochloromethane	0.7	U
106-93-4	1,2-Dibromoethane	0.7	U
108-90-7	Chlorobenzene	0.7	U
630-20-6	1,1,1,2-Tetrachloroethane	0.7	U
100-41-4	Ethylbenzene	2	J D
1330-20-7	m/p-Xylene	5	D
95-47-6	o-Xylene	2	J D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	0.7	U
98-82-8	Cumene	0.7	U
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U
96-18-4	1,2,3-Trichloropropane	0.7	U
108-86-1	Bromobenzene	0.7	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40-S Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866923 Date Analyzed: 07/31/02 Time Analyzed: 01:25
Injection Volume 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID· HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL30\1701016.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	2	J D
108-67-8	1,3,5-Trimethylbenzene	1	J D
98-83-9	Alpha Methyl Styrene	0.7	U
95-63-6	1,2,4-Trimethylbenzene	3	J D
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
100-44-7	Benzyl chloride	0.7	U
95-50-1	1,2-Dichlorobenzene	2	U
67-72-1	Hexachloroethane	0.7	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866924

Collected:07/26/2002 06:00 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-3A Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SVE3A SDG#: DCK22-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext List Tedlar	EPA TO14	1	07/31/2002 02:51	Matthew S Thomas	3.3
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 02:08	Matthew S Thomas	20
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 02:51	Matthew S Thomas	3.3

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: SVE3A Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866924 Date Analyzed: 07/31/02 Time Analyzed: 02:51
Injection Volume 75 cc Nominal Volume 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1901018.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown	5.61	4	J D
78-78-4	Butane, 2-methyl-	8.13	10	J D
	Unknown	8.70	11	J D
67-63-0	Isopropyl Alcohol	10.87	65	J D
	Unknown aliphatic hydrocarbon	26.49	9	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE3A Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866924 Date Analyzed: 07/31/02 Time Analyzed: 02:51
Injection Volume 75 cc Nominal Volume: 250 cc Dilution Factor. 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1901018.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
115-07-1	Propene	0.7	U
75-71-8	Dichlorodifluoromethane	0.9	J D
75-45-6	Chlorodifluoromethane	4	D
76-14-2	Freon 114	0.7	U
74-87-3	Chloromethane	0 7	U
75-01-4	Vinyl Chloride	0.7	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.7	U
75-00-3	Chloroethane	0.7	U
75-43-4	Dichlorofluoromethane	0.7	U
75-69-4	Trichlorofluoromethane	3	J D
109-66-0	Pentane	7	D
107-02-8	Acrolein	3	J D
75-35-4	1,1-Dichloroethene	0.7	U
76-13-1	Freon 113	2	J D
67-64-1	Acetone	23	D
74-88-4	Methyl Iodide	0.7	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	2	U
107-05-1	3-Chloropropene	2	U
75-09-2	Methylene Chloride	6	D
75-65-0	tert-Butyl Alcohol	0.7	U
107-13-1	Acrylonitrile	2	U
156-60-5	trans-1,2-Dichloroethene	0.7	U
1634-04-4	Methyl t-Butyl Ether	0.7	U
110-54-3	Hexane	0.8	J D
75-34-3	1,1-Dichloroethane	0.7	U
108-05-4	Vinyl Acetate	0.7	U
156-59-2	cis-1,2-Dichloroethene	7	D
78-93-3	2-Butanone	11	D
141-78-6	Ethyl Acetate	0.7	U
96-33-3	Methyl Acrylate	0.7	U
67-66-3	Chloroform	1	J D
71-55-6	1,1,1-Trichloroethane	18	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.. SVE3A Date Collected. 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866924 Date Analyzed: 07/31/02 Time Analyzed: 02:51
Injection Volume: 75 cc Nominal Volume 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\JUL30\1901018.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.7	U
107-06-2	1,2-Dichloroethane	0.7	U
71-43-2	Benzene	0.8	J D
540-84-1	Isooctane	0.7	U
142-82-5	Heptane	0.7	U
79-01-6	Trichloroethene	650	D
140-88-5	Ethyl Acrylate	0.7	U
78-87-5	1,2-Dichloropropane	0.7	U
80-62-6	Methyl Methacrylate	0.7	U
74-95-3	Dibromomethane	0.7	U
123-91-1	1,4-Dioxane	0.7	U
75-27-4	Bromodichloromethane	0.7	U
10061-01-5	cis-1,3-Dichloropropene	0.7	U
108-10-1	4-Methyl-2-Pentanone	2	U
108-88-3	Toluene	17	D
111-65-9	Octane	0.7	U
10061-02-6	trans-1,3-Dichloropropene	0.7	U
97-63-2	Ethyl Methacrylate	0.7	U
79-00-5	1,1,2-Trichloroethane	0.7	U
127-18-4	Tetrachloroethene	22	D
591-78-6	2-Hexanone	2	U
124-48-1	Dibromochloromethane	0.7	U
106-93-4	1,2-Dibromoethane	0.7	U
108-90-7	Chlorobenzene	0.7	U
630-20-6	1,1,1,2-Tetrachloroethane	0.7	U
100-41-4	Ethylbenzene	1	J D
1330-20-7	m/p-Xylene	3	J D
95-47-6	o-Xylene	1	J D
100-42-5	Styrene	0.7	J D
75-25-2	Bromoform	0.7	U
98-82-8	Cumene	0.7	U
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U
96-18-4	1,2,3-Trichloropropane	0.7	U
108-86-1	Bromobenzene	0.7	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SVE3A Date Collected: 07/26/02 Date Received· 07/30/02
Lab Sample ID. 3866924 Date Analyzed: 07/31/02 Time Analyzed: 02:51
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 3.3
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\1901018.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	1	J D
108-67-8	1,3,5-Trimethylbenzene	0 7	U
98-83-9	Alpha Methyl Styrene	0.7	U
95-63-6	1,2,4-Trimethylbenzene	2	J D
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
100-44-7	Benzyl chloride	0.7	U
95-50-1	1,2-Dichlorobenzene	2	U
67-72-1	Hexachloroethane	0.7	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	2	U

U = Compound was undetected at the specified limit of quantitation
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE. Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866925

Collected:07/26/2002 05:20 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-59-IS Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S59IS SDG#: DCK22-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/31/2002 04:20	Matthew S Thomas	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 03:34	Matthew S Thomas	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 04:20	Matthew S Thomas	5

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S59IS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866925 Date Analyzed: 07/31/02 Time Analyzed: 04:20
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2101020.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown C4H8 isomer	6.60	46	J D
	Unknown aliphatic hydrocarbon	24.31	25	J D
127-19-5	Acetamide, N,N-dimethyl-	24.84	58	J D
	Unknown aliphatic hydrocarbon	25.73	60	J D
	Unknown aliphatic hydrocarbon	26.25	200	J D
	Unknown aliphatic hydrocarbon	26.50	65	J D
	Unknown aliphatic hydrocarbon	26.72	170	J D
	Unknown aliphatic hydrocarbon	27.11	57	J D
	Unknown aliphatic hydrocarbon	27.45	27	J D
	Unknown siloxane	27.94	30	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866925 Date Analyzed: 07/31/02 Time Analyzed: 04:20
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2101020.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	1	J D
75-45-6	Chlorodifluoromethane	18	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	2	J D
109-66-0	Pentane	9	D
107-02-8	Acrolein	7	D
75-35-4	1,1-Dichloroethene	7	D
76-13-1	Freon 113	3	U
67-64-1	Acetone	48	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	14	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	22	D
75-65-0	tert-Butyl Alcohol	1	J D
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	6	D
75-34-3	1,1-Dichloroethane	11	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	63	D
78-93-3	2-Butanone	23	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	160	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866925 Date Analyzed: 07/31/02 Time Analyzed: 04:20
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2101020.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	2100	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	40	D
111-65-9	Octane	1	J D
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	76	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	9	D
95-47-6	o-Xylene	4	J D
100-42-5	Styrene	2	J D
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866925 Date Analyzed: 07/31/02 Time Analyzed: 04:20
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID C \HPCHEM\1\DATA\JUL30\2101020.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	2	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	5	D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866926

Collected:07/26/2002 07:00 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-40-C Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S-40C SDG#: DCK22-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/31/2002 05:02	Matthew S Thomas	33
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/31/2002 05:49	Matthew S Thomas	5
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 05:02	Matthew S Thomas	33
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 05:49	Matthew S Thomas	5

Lancaster Laboratories
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S-40C Date Collected. 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866926 Date Analyzed: 07/31/02 Time Analyzed: 05:49
Injection Volume: 500 cc Nominal Volume 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C \HPCHEM\1\DATA\JUL30\2301022.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
75-28-5	Isobutane	6.17	13	J D
78-78-4	Butane, 2-methyl-	8.14	53	J D
354-23-4	Ethane, 1,2-dichloro-1,1,2-tri	9.63	38	J D
67-63-0	Isopropyl Alcohol	10.88	53	J D
	Unknown siloxane	24.45	14	J D
127-19-5	Acetamide, N,N-dimethyl-	24.89	40	J D
	Unknown aliphatic hydrocarbon	26.49	36	J D
	Unknown aliphatic hydrocarbon	27.44	16	J D
	Unknown siloxane	27.94	35	J D
	Unknown	31.35	15	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S-40C Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866926 Date Analyzed: 07/31/02 Time Analyzed: 05:49
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2301022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	4	J D
75-45-6	Chlorodifluoromethane	36	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	13	D
107-02-8	Acrolein	8	D
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon 113	30	D
67-64-1	Acetone	59	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	18	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	34	D
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	7	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	4	J D
75-34-3	1,1-Dichloroethane	310	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	130	D
78-93-3	2-Butanone	27	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	31	D
71-55-6	1,1,1-Trichloroethane	580	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S-40C Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866926 Date Analyzed: 07/31/02 Time Analyzed: 05:49
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2301022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q	
56-23-5	Carbon Tetrachloride	1	U	
107-06-2	1,2-Dichloroethane	1	U	
71-43-2	Benzene	4	J	D
540-84-1	Isooctane	1	U	
142-82-5	Heptane	1	U	
79-01-6	Trichloroethene	2300		D
140-88-5	Ethyl Acrylate	1	U	
78-87-5	1,2-Dichloropropane	1	U	
80-62-6	Methyl Methacrylate	1	U	
74-95-3	Dibromomethane	1	U	
123-91-1	1,4-Dioxane	1	U	
75-27-4	Bromodichloromethane	1	U	
10061-01-5	cis-1,3-Dichloropropene	1	U	
108-10-1	4-Methyl-2-Pentanone	3	U	
108-88-3	Toluene	43		D
111-65-9	Octane	1	J	D
10061-02-6	trans-1,3-Dichloropropene	1	U	
97-63-2	Ethyl Methacrylate	1	U	
79-00-5	1,1,2-Trichloroethane	1	U	
127-18-4	Tetrachloroethene	1200		D
591-78-6	2-Hexanone	3	U	
124-48-1	Dibromochloromethane	1	U	
106-93-4	1,2-Dibromoethane	1	U	
108-90-7	Chlorobenzene	1	U	
630-20-6	1,1,1,2-Tetrachloroethane	1	U	
100-41-4	Ethylbenzene	2	J	D
1330-20-7	m/p-Xylene	6		D
95-47-6	o-Xylene	3	J	D
100-42-5	Styrene	2	J	D
75-25-2	Bromoform	1	U	
98-82-8	Cumene	1	U	
79-34-5	1,1,2,2-Tetrachloroethane	1	U	
96-18-4	1,2,3-Trichloropropane	1	U	
108-86-1	Bromobenzene	1	U	

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S-40C Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866926 Date Analyzed: 07/31/02 Time Analyzed: 05:49
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2301022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	2	J D
108-67-8	1,3,5-Trimethylbenzene	1	J D
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	4	J D
541-73-1	1,3-Dichlorobenzene	3	U
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866927

Collected:07/26/2002 06:35 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-40A-S Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S40AS SDG#: DCK22-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/31/2002 07:17	Matthew S Thomas	12
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 06:31	Matthew S Thomas	83
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/31/2002 07:17	Matthew S Thomas	12

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S40AS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866927 Date Analyzed: 07/31/02 Time Analyzed: 07:17
Injection Volume· 500 cc Nominal Volume: 250 cc Dilution Factor: 12 0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2501024.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
78-78-4	Butane, 2-methyl-	8.15	170	J D
67-63-0	Isopropyl Alcohol	10.84	64	J D
107-83-5	Pentane, 2-methyl-	11.25	46	J D
2213-23-2	Heptane, 2,4-dimethyl-	20.46	36	J D
	Unknown siloxane	24.44	36	J D
127-19-5	Acetamide, N,N-dimethyl-	24.79	380	J D
	Unknown aliphatic hydrocarbon	26.49	110	J D
	Unknown aliphatic hydrocarbon	27.45	54	J D
	Unknown siloxane	27.93	88	J D
	Unknown	31.35	38	J D

B = Compound was found in method blank D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40AS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866927 Date Analyzed: 07/31/02 Time Analyzed: 07:17
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID· HP4224 Lab File ID· C:\HPCHEM\1\DATA\JUL30\2501024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	7	J D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	91	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	12	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	4	J D
109-66-0	Pentane	35	D
107-02-8	Acrolein	18	D
75-35-4	1,1-Dichloroethene	2	U
76-13-1	Freon 113	31	D
67-64-1	Acetone	120	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	33	D
75-05-8	Acetonitrile	6	U
107-05-1	3-Chloropropene	6	U
75-09-2	Methylene Chloride	63	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	6	U
156-60-5	trans-1,2-Dichloroethene	2	U
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	11	J D
75-34-3	1,1-Dichloroethane	76	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	71	D
78-93-3	2-Butanone	54	D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	17	D
71-55-6	1,1,1-Trichloroethane	170	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.· S40AS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866927 Date Analyzed: 07/31/02 Time Analyzed: 07:17
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID. HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2501024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	3	J D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	1200	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	6	U
108-88-3	Toluene	89	D
111-65-9	Octane	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	4300	D
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	10	J D
95-47-6	o-Xylene	4	J D
100-42-5	Styrene	4	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S40AS Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866927 Date Analyzed: 07/31/02 Time Analyzed: 07:17
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 12.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\2501024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	4	J D
108-67-8	1,3,5-Trimethylbenzene	2	U
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	7	J D
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	6	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	12	U
87-68-3	Hexachlorobutadiene	6	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation
NOTE Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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
Where quality is a science.

Lancaster Laboratories Sample No. AQ 3866928

Collected:07/26/2002 04:55 by TB

Account Number: 10160

Submitted: 07/30/2002 09:10
Reported: 08/07/2002 at 12:46
Discard: 10/07/2002
SVE-59I-C Grab Tedlar Bag Air Sample
Site Code: SC001 RFA#: ET02031
Dayton Thermal/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

S59IC SDG#: DCK22-10*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA TO14	1	07/30/2002 17:42	Matthew S Thomas	333
07870	TO 14 VOA Ext List cont Tedlar	EPA TO14	1	07/30/2002 17:42	Matthew S Thomas	333

Lancaster Laboratories
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
TENTATIVELY IDENTIFIED COMPOUNDS

Sample No.: S59IC Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866928 Date Analyzed. 07/30/02 Time Analyzed: 17:42
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 333.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0801007.D
UNITS = ppb(v)

CAS RN	COMPOUND NAME	R.T.	ESTIMATED CONCENTRATION	Q
	Unknown	10.82	450	J D
	Unknown siloxane	20.16	770	J D
	Unknown siloxane	24.45	6300	J D
127-19-5	Acetamide, N,N-dimethyl-	24.77	2600	J D
	Unknown siloxane	27.95	560	J D

B = Compound was found in method blank. D = analysis of diluted sample.
J = Estimated concentration assuming identical response factor to that of the internal standard with retention time closest to the TIC.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IC Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866928 Date Analyzed: 07/30/02 Time Analyzed: 17:42
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor: 333.0
Instrument ID· HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0801007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	67	U
75-71-8	Dichlorodifluoromethane	67	U
75-45-6	Chlorodifluoromethane	330	U
76-14-2	Freon 114	67	U
74-87-3	Chloromethane	67	U
75-01-4	Vinyl Chloride	67	U
106-99-0	1,3-Butadiene	330	U
74-83-9	Bromomethane	67	U
75-00-3	Chloroethane	67	U
75-43-4	Dichlorofluoromethane	67	U
75-69-4	Trichlorofluoromethane	67	U
109-66-0	Pentane	67	U
107-02-8	Acrolein	170	U
75-35-4	1,1-Dichloroethene	67	U
76-13-1	Freon 113	170	U
67-64-1	Acetone	330	U
74-88-4	Methyl Iodide	67	U
75-15-0	Carbon Disulfide	170	U
75-05-8	Acetonitrile	170	U
107-05-1	3-Chloropropene	170	U
75-09-2	Methylene Chloride	170	U
75-65-0	tert-Butyl Alcohol	67	U
107-13-1	Acrylonitrile	170	U
156-60-5	trans-1,2-Dichloroethene	67	U
1634-04-4	Methyl t-Butyl Ether	67	U
110-54-3	Hexane	67	U
75-34-3	1,1-Dichloroethane	230	J D
108-05-4	Vinyl Acetate	67	U
156-59-2	cis-1,2-Dichloroethene	2400	D
78-93-3	2-Butanone	170	U
141-78-6	Ethyl Acetate	67	U
96-33-3	Methyl Acrylate	67	U
67-66-3	Chloroform	67	U
71-55-6	1,1,1-Trichloroethane	1700	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IC Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866928 Date Analyzed: 07/30/02 Time Analyzed: 17:42
Injection Volume: 75 cc Nominal Volume: 250 cc Dilution Factor· 333.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0801007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	67	U
107-06-2	1,2-Dichloroethane	67	U
71-43-2	Benzene	67	U
540-84-1	Isooctane	67	U
142-82-5	Heptane	67	U
79-01-6	Trichloroethene	14000	D
140-88-5	Ethyl Acrylate	67	U
78-87-5	1,2-Dichloropropane	67	U
80-62-6	Methyl Methacrylate	67	U
74-95-3	Dibromomethane	67	U
123-91-1	1,4-Dioxane	67	U
75-27-4	Bromodichloromethane	67	U
10061-01-5	cis-1,3-Dichloropropene	67	U
108-10-1	4-Methyl-2-Pentanone	170	U
108-88-3	Toluene	280	J D
111-65-9	Octane	67	U
10061-02-6	trans-1,3-Dichloropropene	67	U
97-63-2	Ethyl Methacrylate	67	U
79-00-5	1,1,2-Trichloroethane	67	U
127-18-4	Tetrachloroethene	170	J D
591-78-6	2-Hexanone	170	U
124-48-1	Dibromochloromethane	67	U
106-93-4	1,2-Dibromoethane	67	U
108-90-7	Chlorobenzene	67	U
630-20-6	1,1,1,2-Tetrachloroethane	67	U
100-41-4	Ethylbenzene	67	U
1330-20-7	m/p-Xylene	67	U
95-47-6	o-Xylene	67	U
100-42-5	Styrene	67	U
75-25-2	Bromoform	67	U
98-82-8	Cumene	67	U
79-34-5	1,1,2,2-Tetrachloroethane	67	U
96-18-4	1,2,3-Trichloropropane	67	U
108-86-1	Bromobenzene	67	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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
Where quality is a science.

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: S59IC Date Collected: 07/26/02 Date Received: 07/30/02
Lab Sample ID: 3866928 Date Analyzed: 07/30/02 Time Analyzed: 17:42
Injection Volume: 75 cc Nominal Volume 250 cc Dilution Factor: 333.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\JUL30\0801007.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS. MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	67	U
108-67-8	1,3,5-Trimethylbenzene	67	U
98-83-9	Alpha Methyl Styrene	67	U
95-63-6	1,2,4-Trimethylbenzene	67	U
541-73-1	1,3-Dichlorobenzene	170	U
106-46-7	1,4-Dichlorobenzene	170	U
100-44-7	Benzyl chloride	67	U
95-50-1	1,2-Dichlorobenzene	170	U
67-72-1	Hexachloroethane	67	U
120-82-1	1,2,4-Trichlorobenzene	330	U
87-68-3	Hexachlorobutadiene	170	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE· Limits of detection were raised due to the high concentration of volatile organic compounds in this sample

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

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 816875
Reported: 08/07/02 at 12:46 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A022121AA	Sample number(s): 3866919-3866928							
tert-Butyl Alcohol	N.D	.2	ppb(v)					
Propene	N.D.	.2	ppb(v)					
Dichlorodifluoromethane	N D.	.2	ppb(v)					
Chlorodifluoromethane	N.D.	1.	ppb(v)					
Freon 114	N D.	.2	ppb(v)					
Chloromethane	N D.	.2	ppb(v)					
Vinyl Chloride	N D.	.2	ppb(v)	127		43-158		
1,3-Butadiene	N D.	1.	ppb(v)					
Bromomethane	N.D.	.2	ppb(v)					
Chloroethane	N.D.	.2	ppb(v)					
Dichlorofluoromethane	N.D.	.2	ppb(v)					
Trichlorofluoromethane	N.D.	.2	ppb(v)					
Pentane	N.D.	.2	ppb(v)					
Acrolein	N.D.	.5	ppb(v)					
1,1-Dichloroethene	N.D	.2	ppb(v)					
Freon 113	N.D.	5	ppb(v)					
Acetone	N.D	1	ppb(v)					
Methyl Iodide	N.D	.2	ppb(v)					
Carbon Disulfide	N.D.	.5	ppb(v)					
Acetonitrile	N.D.	.5	ppb(v)					
3-Chloropropene	N.D.	.5	ppb(v)					
Methylene Chloride	N.D.	.5	ppb(v)					
Acrylonitrile	N.D.	.5	ppb(v)					
trans-1,2-Dichloroethene	N.D.	.2	ppb(v)					
Methyl t-Butyl Ether	N.D.	.2	ppb(v)					
Hexane	N.D.	.2	ppb(v)					
1,1-Dichloroethane	N.D.	.2	ppb(v)					
Vinyl Acetate	N.D.	.2	ppb(v)					
cis-1,2-Dichloroethene	N.D.	.2	ppb(v)					
2-Butanone	N.D.	.5	ppb(v)					
Ethyl Acetate	N.D.	.2	ppb(v)					
Methyl Acrylate	N.D.	.2	ppb(v)					
Chloroform	N.D.	.2	ppb(v)					
1,1,1-Trichloroethane	N.D.	.2	ppb(v)	108		54-174		
Carbon Tetrachloride	N.D.	.2	ppb(v)					
1,2-Dichloroethane	N.D.	.2	ppb(v)					
Benzene	N.D.	.2	ppb(v)	109		51-163		
Isooctane	N.D.	.2	ppb(v)					
Heptane	N.D.	.2	ppb(v)					
Trichloroethene	N.D.	.2	ppb(v)	105		56-140		
Ethyl Acrylate	N.D.	.2	ppb(v)					
1,2-Dichloropropane	N.D	.2	ppb(v)					
Methyl Methacrylate	N.D.	.2	ppb(v)					
Dibromomethane	N.D.	.2	ppb(v)					
1,4-Dioxane	N.D.	.2	ppb(v)					
Bromodichloromethane	N.D.	.2	ppb(v)					
cis-1,3-Dichloropropene	N.D.	.2	ppb(v)					

*- 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
Where Quality is a Science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 816875
Reported: 08/07/02 at 12:46 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
4-Methyl-2-Pentanone	N.D.	.5	ppb(v)					
Toluene	N.D.	.2	ppb(v)					
Octane	N.D.	2	ppb(v)					
trans-1,3-Dichloropropene	N.D.	.2	ppb(v)					
Ethyl Methacrylate	N.D.	.2	ppb(v)					
1,1,2-Trichloroethane	N.D.	.2	ppb(v)					
Tetrachloroethene	N.D.	2	ppb(v)					
2-Hexanone	N D.	.5	ppb(v)					
Dibromochloromethane	N.D.	.2	ppb(v)					
1,2-Dibromoethane	N.D.	.2	ppb(v)					
Chlorobenzene	N.D.	.2	ppb(v)					
1,1,1,2-Tetrachloroethane	N D.	.2	ppb(v)					
Ethylbenzene	N.D.	2	ppb(v)	99		49-152		
m/p-Xylene	N D.	.2	ppb(v)					
o-Xylene	N.D.	.2	ppb(v)					
Styrene	N.D.	.2	ppb(v)					
Bromoform	N.D.	.2	ppb(v)					
Cumene	N D.	2	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	.2	ppb(v)					
1,2,3-Trichloropropane	N.D.	.2	ppb(v)					
Bromobenzene	N.D	.2	ppb(v)					
4-Ethyltoluene	N.D.	.2	ppb(v)					
1,3,5-Trimethylbenzene	N D	.2	ppb(v)					
Alpha Methyl Styrene	N.D.	.2	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	.2	ppb(v)					
1,3-Dichlorobenzene	N.D.	.5	ppb(v)					
1,4-Dichlorobenzene	N.D.	.5	ppb(v)	81		43-127		
Benzyl chloride	N.D.	.2	ppb(v)					
1,2-Dichlorobenzene	N.D.	.5	ppb(v)					
Hexachloroethane	N.D.	.2	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.	ppb(v)					
Hexachlorobutadiene	N.D.	.5	ppb(v)					

*- 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
Where quality is a science.

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 808452. Samples arrived at the laboratory on Wednesday, May 22, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
MWB2-052102-BE Grab Water Sample	3823998
MWB2-052102-BE Filtered Grab Water Sample	3823999
MWBB2-052102-BE Grab Water Sample	3824000
MWBB2-052102-BE Filtered Grab Water Sample	3824001
MW18S-052102-BE Grab Water Sample	3824002
MW18S-052102-BE Filtered Grab Water Sample	3824003
MWC2-052102-BE Grab Water Sample	3824004
MWC2-052102-BE Filtered Grab Water Sample	3824005
MWB1-052102-BE Grab Water Sample	3824006
MWB1-052102-BE Filtered Grab Water Sample	3824007
MWC1-052102-BE Grab Water Sample	3824008
MWC1-052102-BE Filtered Grab Water Sample	3824009
MWA2-052102-BE Grab Water Sample	3824010
MWA2-052102-BE Filtered Grab Water Sample	3824011
PZ16D-052102-BE Grab Water Sample	3824012
PZ16D-052102-BE Filtered Grab Water Sample	3824013
MWA5-052102-BE Grab Water Sample	3824014
MWA5-052102-BE Filtered Grab Water Sample	3824015
PZ13I-052102-BE Grab Water Sample	3824016
PZ13I-052102-BE Filtered Grab Water Sample	3824017
PZ13D-052102-BE Grab Water Sample	3824018
PZ13D-052102-BE Filtered Grab Water Sample	3824019
TB02127 Water Sample	3824020

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

Lancaster Laboratories
Where quality is a science.

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
Where quality is a science

Lancaster Laboratories Sample No. WW 3823998

Collected:05/21/2002 09:25 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:21
Discard: 08/04/2002
MWB2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB2- SDG#: DCJ85-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.65		0.0350	mg/l	1
01758	Manganese	7439-96-5	0.119		0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	446.		0.41	mg/l	1
00216	Total Hardness	471-34-3	559.		4.2	mg/l	10
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.		0.77	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	131.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	11.6	J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	1.95		0.024	mg/L	4
09052	Ferric Iron (Calculation)	n.a.	0.70		0.035	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	05/27/2002 20:57	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 20:57	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:08	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:51	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 22:42	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823998

Collected:05/21/2002 09:25 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:21
Discard: 08/04/2002
MWB2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB2- SDG#: DCJ85-01

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	4
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:00	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 19:40	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823999

Collected:05/21/2002 09:25 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:21
Discard: 08/04/2002
MWB2-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB2F SDG#: DCJ85-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	26.4	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	2	05/31/2002 07:20	Susan A Engle	1

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
Where quality is a science

Lancaster Laboratories Sample No. WW 3824000

Collected:05/21/2002 09:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:21
Discard: 08/04/2002
MWBB2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWBB2 SDG#: DCJ85-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.81	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.121	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	446.	0.41	mg/l	1
00216	Total Hardness	471-34-3	553.	4.2	mg/l	10
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.	0.77	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.	2.7	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	129.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	15.8 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	1.76	0.024	mg/L	4
09052	Ferric Iron (Calculation)	n.a.	1.0	0.035	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	05/27/2002 21:01	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:01	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:10	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:28	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 23:06	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3824000

Collected:05/21/2002 09:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:21
Discard: 08/04/2002
MWBB2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWBB2 SDG#: DCJ85-03

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	4
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:01	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 19:50	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824001

Collected:05/21/2002 09:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWBB2-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MBB2F SDG#: DCJ85-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	30.7	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824002

Collected:05/21/2002 09:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MW18S-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MW18S SDG#: DCJ85-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	N.D.	0 00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	337.	0.41	mg/l	1
00216	Total Hardness	471-34-3	397.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.26	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	0.77	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.	3.1	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	26.3	1.5	mg/l	1
04001	Chemical Oxygen Demand	n.a.	15.8 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0060 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07107	Ethane	74-84-0	87.	1.0	ug/l	1
07108	Ethene	74-85-1	1.2 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	05/27/2002 21:06	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:06	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:13	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:30	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 23:15	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	1
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824002

Collected:05/21/2002 09:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MW18S-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MW18S SDG#: DCJ85-05

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/31/2002 11:42	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 20:01	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824003

Collected:05/21/2002 09:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MW18S-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

M18SF SDG#: DCJ85-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	20.1	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824004

Collected:05/21/2002 10:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC2- SDG#: DCJ85-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.99	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0450	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	279.	0.41	mg/l	1
00216	Total Hardness	471-34-3	446.	4.2	mg/l	10
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.	0.77	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.	1.40 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	72.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	26.4 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	3.2	0.060	mg/L	10
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.060	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	05/27/2002 21:11	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:11	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:15	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:31	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 23:39	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3824004

Collected:05/21/2002 10:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC2- SDG#: DCJ85-07

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:02	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 20:11	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3824005

Collected:05/21/2002 10:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC2-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC2F SDG#: DCJ85-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	20.1	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824006

Collected:05/21/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWB1-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB1- SDG#: DCJ85-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.52	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0841	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	321.	0.41	mg/l	1
00216	Total Hardness	471-34-3	450.	4.2	mg/l	10
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.	0.77	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	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	59.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	15.8 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	1.53	0.030	mg/L	5
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/27/2002 21:16	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:16	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:16	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353 2	1	05/31/2002 16:32	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 23:47	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375 4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410 4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824006

Collected:05/21/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWB1-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB1- SDG#: DCJ85-09

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	2	06/01/2002 06:10	Daniel S Smith	5
09052	Ferric Iron (Calculation)	calculation	1	06/03/2002 14:35	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 20:21	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824007

Collected:05/21/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWB1-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWB1F SDG#: DCJ85-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	13.7	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824008

Collected:05/21/2002 12:00 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC1-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC1- SDG#: DCJ85-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.70	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0538	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	309.	0.41	mg/l	1
00216	Total Hardness	471-34-3	454.	4.2	mg/l	10
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.	0.77	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.	1.72 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	59.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	17.9 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	3.0	0.060	mg/L	10
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.060	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	05/27/2002 21:21	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:21	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:17	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:33	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 23:55	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375 4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824008

Collected:05/21/2002 12:00 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC1-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC1- SDG#: DCJ85-11

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:02	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 20:42	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3824009

Collected:05/21/2002 12:00 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWC1-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWC1F SDG#: DCJ85-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	22.2	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824010

Collected:05/21/2002 14:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWA2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA2- SDG#: DCJ85-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0108	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	294.	0.41	mg/l	1
00216	Total Hardness	471-34-3	397.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.047 J	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	0.77	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	35.3	1.5	mg/l	1
04001	Chemical Oxygen Demand	n.a.	22.2 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/27/2002 21:26	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:26	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:18	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:35	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/29/2002 00:03	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	1
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824010

Collected:05/21/2002 14:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:22
Discard: 08/04/2002
MWA2-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA2- SDG#: DCJ85-13

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:03	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 20:52	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824011

Collected:05/21/2002 14:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
MWA2-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA2F SDG#: DCJ85-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	35.0	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824012

Collected:05/21/2002 14:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ16D-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ16D SDG#: DCJ85-15

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.13		0.0350	mg/l	1
01758	Manganese	7439-96-5	0.116		0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	435.		0.41	mg/l	1
00216	Total Hardness	471-34-3	580.		4.2	mg/l	10
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.		0.77	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	95.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	22.2	J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	2.3		0.060	mg/L	10
09052	Ferric Iron (Calculation)	n.a.	N.D.		0.060	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	05/27/2002 21:41	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:41	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:20	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:36	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/29/2002 00:11	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824012

Collected:05/21/2002 14:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ16D-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ16D SDG#: DCJ85-15

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:04	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 21:03	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824013

Collected:05/21/2002 14:35 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ16D-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z16DF SDG#: DCJ85-16

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	32.8	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824014

Collected:05/21/2002 15:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
MWA5-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA5- SDG#: DCJ85-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0102	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	299.	0.41	mg/l	1
00216	Total Hardness	471-34-3	509.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	3.75	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	0.77	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.	2.8	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	70.	3.0	mg/l	2
04001	Chemical Oxygen Demand	n.a.	35.0 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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

The sample received for the ferric iron analysis was submitted in an unpreserved container.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	05/27/2002 21:46	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:46	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:21	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:37	Venia B McFadden	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824014

Collected:05/21/2002 15:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
MWA5-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA5- SDG#: DCJ85-17

00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/29/2002 03:01	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	2
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:04	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 21:13	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824015

Collected:05/21/2002 15:45 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
MWA5-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA5F SDG#: DCJ85-18

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	41.3	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824016

Collected:05/21/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13I-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ13I SDG#: DCJ85-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.140	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	340.	0.41	mg/l	1
00216	Total Hardness	471-34-3	464.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.42	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	0.77	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.	2.3	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	78.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	26.4 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/27/2002 21:51	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 21:51	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:22	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:41	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/29/2002 00:19	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824016

Collected:05/21/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13I-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ13I SDG#: DCJ85-19

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 12:05	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 21:23	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3824017

Collected:05/21/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13I-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z13IF SDG#: DCJ85-20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a	22.2	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824018

Collected:05/21/2002 16:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13D-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ13D SDG#: DCJ85-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.143	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	342.	0.41	mg/l	1
00216	Total Hardness	471-34-3	460.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.42	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	0.77	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.	2.2	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	79.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	22.2 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	N.D.	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/27/2002 19:51	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/27/2002 19:51	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/28/2002 16:44	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 13:32	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/23/2002 07:23	Timothy M Petree	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 16:42	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/29/2002 12:00	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/29/2002 00:27	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/03/2002 09:15	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824018

Collected:05/21/2002 16:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13D-052102-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ13D SDG#: DCJ85-21

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/29/2002 19:30	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/30/2002 11:44	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 21:34	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/23/2002 20:10	James L Mertz	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824019

Collected:05/21/2002 16:40 by BJE

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
PZ13D-052102-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z13DF SDG#: DCJ85-22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	17.9	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3824020

Collected:05/13/2002 00:00

Account Number: 10160

Submitted: 05/22/2002 09:15
Reported: 06/04/2002 at 19:23
Discard: 08/04/2002
TB02127 Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

DT-TB SDG#: DCJ85-23TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02300	UST-Unleaded Waters by 8260B					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
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
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/24/2002 12:23	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/24/2002 12:23	Kenneth L Boley Jr	n.a.

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 808452
Reported: 06/04/02 at 07:23 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 021430022A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Ethane	N.D.	1.	ug/l	102		80-120		
Ethene	N.D.	1.	ug/l	103		80-120		
Batch number: 02143105101A	Sample number(s): 3823998,3824000,3824002,3824004							
Nitrite Nitrogen	N.D.	.015	mg/l	101		90-110		
Batch number: 02143105101B	Sample number(s): 3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Nitrite Nitrogen	N.D.	.015	mg/l	101		90-110		
Batch number: 021431848004	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Iron	N.D.	.035	mg/l	105		91-114		
Manganese	N.D.	.0005	mg/l	100		94-110		
Batch number: 02146400101A	Sample number(s): 3823998,3824000							
Chemical Oxygen Demand				99		95-107		
Batch number: 02146400102A	Sample number(s): 3824001-3824019							
Chemical Oxygen Demand				99		95-107		
Batch number: 02148011114A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016							
Total Organic Carbon	0.99 J	.5	mg/l	106		85-115		
Batch number: 02148011114B	Sample number(s): 3824018							
Total Organic Carbon	0.99 J	.5	mg/l	106		85-115		
Batch number: 02148020201A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Alkalinity to pH 4.5				100		97-101		
Batch number: 02149022901A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Sulfite	N.D.	.77	mg/l	88		68-103		
Batch number: 02149834401A	Sample number(s): 3823998,3824000,3824002,3824004,3824008,3824010,3824012,3824014,3824016,3824018							
Ferrous Iron	N.D.	.006	mg/L	100		90-112		
Batch number: 02150021601A	Sample number(s): 3823998,3824000,3824002,3824004,3824006							
Total Hardness	N.D.	.42	mg/l	102		98-107		
Batch number: 02150021602A	Sample number(s): 3824008,3824010,3824012,3824014,3824016,3824018							
Total Hardness	N.D.	.42	mg/l	102		98-107		
Batch number: 02151106103A	Sample number(s): 3823998							
Nitrate Nitrogen	N.D.	.04	mg/l	100		90-110		
Batch number: 02151106103B	Sample number(s): 3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 06/04/02 at 07:23 PM

Group Number: 808452

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.	.04	mg/l	100		90-110		
Batch number: 02151400101A	Sample number(s): 3823999							
Chemical Oxygen Demand				98		95-107		
Batch number: 02152834401A	Sample number(s): 3824006							
Ferrous Iron	N.D.	.006	mg/L	102		90-112		
Batch number: 02154112501A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018							
Sulfate (turbidimetric)	1.6 J	1.5	mg/l	94		90-110		
Batch number: P021441AA	Sample number(s): 3824020							
Benzene	N.D.	.5	ug/l	110	105	84-120	4	30
Toluene	N.D.	.7	ug/l	109	103	86-123	6	30
Ethylbenzene	N.D.	.8	ug/l	111	106	88-124	5	30
Xylene (Total)	N.D.	.8	ug/l	112	106	89-124	5	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: 021430022A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Ethane	105	102	74-121	3	20				
Ethene	103	100	73-133	3	20				
Batch number: 02143105101A	Sample number(s): 3823998,3824000,3824002,3824004								
Nitrite Nitrogen	103		90-110			N.D.	N.D.	4 (1)	20
Batch number: 02143105101B	Sample number(s): 3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Nitrite Nitrogen	104		90-110			N.D.	N.D.	16 (1)	20
Batch number: 021431848004	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Iron	101	101	75-125	0	20	N.D.	N.D.	0 (1)	20
Manganese	100	99	75-125	1	20	0 143	0.142	1	20
Batch number: 02146400101A	Sample number(s): 3823998,3824000								
Chemical Oxygen Demand	96	94	82-111	2	2	512.	497.	3	4
Batch number: 02146400102A	Sample number(s): 3824001-3824019								
Chemical Oxygen Demand	98	98	82-111	0	2	17.9 J	11.6 J	43* (1)	4
Batch number: 02148011114A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016								
Total Organic Carbon	97		73-128			2.1	2.1	2 (1)	3
Batch number: 02148011114B	Sample number(s): 3824018								
Total Organic Carbon	94		73-128			2.2	2.2	0 (1)	3
Batch number: 02148020201A	Sample number(s):								

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 06/04/02 at 07:23 PM

Group Number: 808452

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
	3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	99	100	64-130	0	2	279.	280.	1	4
Batch number: 02149022901A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Sulfite	83	77	29-104	8	20	N.D.	N.D.	0 (1)	20
Batch number: 02149834401A	Sample number(s): 3823998,3824000,3824002,3824004,3824008,3824010,3824012,3824014,3824016,3824018								
Ferrous Iron	98	99	40-149	0	5	3.2	3.2	1 (1)	20
Batch number: 02150021601A	Sample number(s): 3823998,3824000,3824002,3824004,3824006								
Total Hardness	101	102	93-115	0	2	221.	223	1	4
Batch number: 02150021602A	Sample number(s): 3824008,3824010,3824012,3824014,3824016,3824018								
Total Hardness	102	100	93-115	1	2	1,160.	1,160.	0	4
Batch number: 02151106103A	Sample number(s): 3823998								
Nitrate Nitrogen	99		90-110			N.D.	N.D	0 (1)	3
Batch number: 02151106103B	Sample number(s): 3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Nitrate Nitrogen	96		90-110			N.D.	N.D.	0 (1)	3
Batch number: 02151400101A	Sample number(s): 3823999								
Chemical Oxygen Demand	94	94	82-111	0	2	3,410.	4,290.	23*	4
Batch number: 02152834401A	Sample number(s): 3824006								
Ferrous Iron	80	84	40-149	4	5	0.17	0.0916 J	58* (1)	20
Batch number: 02154112501A	Sample number(s): 3823998,3824000,3824002,3824004,3824006,3824008,3824010,3824012,3824014,3824016,3824018								
Sulfate (turbidimetric)	98	95	69-124	2	4	1,080.	1,100.	2 (1)	4
Batch number: P021441AA	Sample number(s): 3824020								
Benzene	110		78-134						
Toluene	110		78-133						
Ethylbenzene	113		82-134						
Xylene (Total)	114		81-136						

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 021430022A

	Propene
3823998	103
3824000	97
3824002	103
3824004	103

*- 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
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 808452
Reported: 06/04/02 at 07:23 PM

Surrogate Quality Control

3824006	94
3824008	110
3824010	107
3824012	97
3824014	102
3824016	96
3824018	103
Blank	108
LCS	108
MS	109
MSD	108
Limits:	61-125

Analysis Name: UST-Unleaded Waters by 8260B
Batch number: P021441AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3824020	99	95	97	90
Blank	95	90	95	90
LCS	93	91	97	96
LCSD	93	91	97	96
MS	92	92	97	96
Limits:	86-118	80-120	88-110	86-115

*- 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
Where quality is a science

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 808255. Samples arrived at the laboratory on Tuesday, May 21, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
PZ8I-052002-BE Grab Water Sample	3823256
PZ8I-052002-BE Filtered Grab Water Sample	3823257
PZ8D-052002-BE Grab Water Sample	3823258
PZ8D-052002-BE Filtered Grab Water Sample	3823259
PZ8S-052002-BE Grab Water Sample	3823260
PZ8S-052002-BE Filtered Grab Water Sample	3823261
PZ12I-052002-BE Grab Water Sample	3823262
PZ12I-052002-BE Filtered Grab Water Sample	3823263
PZ12D-052002-BE Grab Water Sample	3823264
PZ12D-052002-BE Filtered Grab Water Sample	3823265
MWA6-052002-BE Grab Water Sample	3823266
MWA6-052002-BE Filtered Grab Water Sample	3823267
TB02127 Water Sample	3823268

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

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

Lancaster Laboratories
Where quality is a science.

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
Where quality is a science

Lancaster Laboratories Sample No. WW 3823256

Collected:05/20/2002 14:10 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8I-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8I- SDG#: DCJ83-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	N.D.	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.104	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	221.	0.41	mg/l	1
00216	Total Hardness	471-34-3	336.	4.2	mg/l	10
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.	0.77	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.	2.5	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	83.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	22.2 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0132 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/23/2002 03:31	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 11:07	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:13	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:24	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 13:45	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823256

Collected:05/20/2002 14:10 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8I-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8I- SDG#: DCJ83-01

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/23/2002 08:46	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 19:19	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Analysis Report

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3823257

Collected:05/20/2002 14:10 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8I-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8IF SDG#: DCJ83-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	26.4	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

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
Where quality is a science

Lancaster Laboratories Sample No. WW 3823258

Collected:05/20/2002 14:25 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8D-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8D- SDG#: DCJ83-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.81		0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0929		0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.		0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	371.		0.41	mg/l	1
00216	Total Hardness	471-34-3	567.		4.2	mg/l	10
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.		0.77	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.	1.90	J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	94.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	24.3	J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	1.44		0.024	mg/L	4
09052	Ferric Iron (Calculation)	n.a.	0.36	J	0.035	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	05/23/2002 04:01	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 11:36	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:14	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:25	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 13:53	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823258

Collected:05/20/2002 14:25 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8D-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8D- SDG#: DCJ83-03

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	4
09052	Ferric Iron (Calculation)	calculation	1	05/23/2002 08:50	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 19:30	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823259

Collected:05/20/2002 14:25 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8D-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8DF SDG#: DCJ83-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	32.8	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823260

Collected:05/20/2002 15:05 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8S-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8S- SDG#: DCJ83-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.827	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0128	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	293.	0.41	mg/l	1
00216	Total Hardness	471-34-3	555.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	4.66	0.080	mg/l	2
00229	Sulfite	14265-45-3	N.D.	0.77	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.	1.87 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	53.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	28.6 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0204 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.81	0.035	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	05/23/2002 04:06	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 11:41	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:16	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:47	Venia B McFadden	2
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 14:17	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823260

Collected:05/20/2002 15:05 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8S-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8S- SDG#: DCJ83-05

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/23/2002 08:53	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 19:40	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823261

Collected:05/20/2002 15:05 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ8S-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ8SF SDG#: DCJ83-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	26.4	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823262

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ12I-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ12I SDG#: DCJ83-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.0411 J	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.150	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	370.	0.41	mg/l	1
00216	Total Hardness	471-34-3	505.	4.2	mg/l	10
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.	0.77	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.	1.67 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	90.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	17.9 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0276 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/23/2002 04:21	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 11:55	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:17	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:30	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 14:26	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823262

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ12I-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ12I SDG#: DCJ83-07

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/23/2002 08:55	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 20:01	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823263

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ12I-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z12IF SDG#: DCJ83-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	30.7	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823264

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ12D-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ12D SDG#: DCJ83-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.994	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0891	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	369.	0.41	mg/l	1
00216	Total Hardness	471-34-3	596.	4.2	mg/l	10
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.	0.77	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.	2.2	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	107.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	20.1 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.97	0.012	mg/L	2
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/23/2002 04:26	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 12:00	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:18	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:31	Venia B McFadden	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 15:50	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/23/2002 07:34	Susan A Engle	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3823264

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:13
Discard: 08/04/2002
PZ12D-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ12D SDG#: DCJ83-09

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	2
09052	Ferric Iron (Calculation)	calculation	1	05/23/2002 08:59	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 16:55	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823265

Collected:05/20/2002 16:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:14
Discard: 08/04/2002
PZ12D-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z12DF SDG#: DCJ83-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	37.1	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	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
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823266

Collected:05/20/2002 17:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:14
Discard: 08/04/2002
MWA6-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA6- SDG#: DCJ83-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.0361 J	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0553	0.00050	mg/l	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	0.41	mg/l	1
00202	Alkalinity to pH 4.5	n.a.	382.	0.41	mg/l	1
00216	Total Hardness	471-34-3	551.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	0.016 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	6.61	0.20	mg/l	5
00229	Sulfite	14265-45-3	N.D.	0.77	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.	3.3	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	83.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	28.6 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0081 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.035	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	05/23/2002 04:31	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/24/2002 12:05	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/23/2002 19:27	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	10
00219	Nitrite Nitrogen	EPA 353.2	1	05/22/2002 08:22	Michelle A Bolton	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/31/2002 15:49	Venia B McFadden	5
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/28/2002 15:58	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 11:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823266

Collected:05/20/2002 17:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:14
Discard: 08/04/2002
MWA6-052002-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA6- SDG#: DCJ83-11

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/22/2002 02:50	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calcualtion	1	05/23/2002 09:01	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 20:21	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/22/2002 16:40	Irimar Leon	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3823267

Collected:05/20/2002 17:20 by BJE

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:14
Discard: 08/04/2002
MWA6-052002-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MWA6F SDG#: DCJ83-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	43.5	J	8.8	mg/l	1

This sample was field filtered for dissolved COD.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	05/26/2002 07:02	Susan A Engle	1

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
Where quality is a science

Lancaster Laboratories Sample No. WW 3823268

Collected:05/13/2002 00:00

Account Number: 10160

Submitted: 05/21/2002 09:15
Reported: 06/04/2002 at 15:14
Discard: 08/04/2002
TB02127 Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

TBDAY SDG#: DCJ83-13TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02300	UST-Unleaded Waters by 8260B					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
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
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/28/2002 13:39	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/28/2002 13:39	Susan McMahon-Luu	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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 808255
Reported: 06/04/02 at 03:14 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 021420018A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Ethane	N.D.	1.	ug/l	107		80-120		
Ethene	N.D.	1.	ug/l	106		80-120		
Batch number: 02142105101A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Nitrite Nitrogen	N.D.	.015	mg/l	102		90-110		
Batch number: 021421848002	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Iron	N.D.	.035	mg/l	103		91-114		
Manganese	N.D.	.0005	mg/l	99		94-110		
Batch number: 02142834401A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Ferrous Iron	N.D.	.006	mg/L	101		90-112		
Batch number: 02143020202A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Alkalinity to pH 4.5				99		97-101		
Batch number: 02143022901A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Sulfite	N.D.	.77	mg/l	87		68-103		
Batch number: 02143400102A	Sample number(s): 3823256-3823264							
Chemical Oxygen Demand				101		95-107		
Batch number: 02146400101A	Sample number(s): 3823265-3823267							
Chemical Oxygen Demand				99		95-107		
Batch number: 02148011112A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Total Organic Carbon	0.87 J	.5	mg/l	100		85-115		
Batch number: 02149112502A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Sulfate (turbidimetric)	1.6 J	1.5	mg/l	94		90-110		
Batch number: 02150021601A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266							
Total Hardness	N.D.	42	mg/l	102		98-107		
Batch number: 02151106102A	Sample number(s): 3823256,3823258,3823260,3823262							
Nitrate Nitrogen	N.D.	.04	mg/l	100		90-110		
Batch number: 02151106102B	Sample number(s): 3823264,3823266							
Nitrate Nitrogen	N.D.	.04	mg/l	100		90-110		
Batch number: P021481AA	Sample number(s): 3823268							
Benzene	N.D.	.5	ug/l	101		84-120		
Toluene	N.D.	.7	ug/l	99		86-123		
Ethylbenzene	N.D.	.8	ug/l	102		88-124		
Xylene (Total)	N.D.	.8	ug/l	103		89-124		

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: 021420018A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Ethane	110	105	74-121	5	20				
Ethene	120	116	73-133	4	20				

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 06/04/02 at 03:14 PM

Group Number: 808255

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: 02142105101A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Nitrite Nitrogen	102		90-110			N.D.	N.D.	61* (1)	20
Batch number: 021421848002	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Iron	100	103	75-125	3	20	N.D.	N.D.	0 (1)	20
Manganese	97	97	75-125	0	20	0.104	0.105	1	20
Batch number: 02142834401A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Ferrous Iron	104	102	40-149	2	5	2.5	2.7	5 (1)	20
Batch number: 02143020202A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Alkalinity to pH 8.3						20.6	20.8	1	4
Alkalinity to pH 4.5	99	99	64-130	0	2	331.	332.	0	4
Batch number: 02143022901A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Sulfite	80	79	29-104	1	20	N.D.	N.D.	200* (1)	20
Batch number: 02143400102A	Sample number(s): 3823256-3823264								
Chemical Oxygen Demand	97	96	82-111	1	2	373.	309.	19*	4
Batch number: 02146400101A	Sample number(s): 3823265-3823267								
Chemical Oxygen Demand	96	94	82-111	2	2	512.	497	3	4
Batch number: 02148011112A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Total Organic Carbon	90		73-128			8.5	8.6	2 (1)	3
Batch number: 02149112502A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Sulfate (turbidimetric)	106	104	69-124	1	4	107.	111.	4	4
Batch number: 02150021601A	Sample number(s): 3823256,3823258,3823260,3823262,3823264,3823266								
Total Hardness	101	102	93-115	0	2	221.	223.	1	4
Batch number: 02151106102A	Sample number(s): 3823256,3823258,3823260,3823262								
Nitrate Nitrogen	99		90-110			N.D.	N.D.	0 (1)	3
Batch number: 02151106102B	Sample number(s): 3823264,3823266								
Nitrate Nitrogen	96		90-110			N.D.	N.D.	0 (1)	3
Batch number: P021481AA	Sample number(s): 3823268								
Benzene	227*	256*	78-134	9	30				
Toluene	126	130	78-133	3	30				
Ethylbenzene	115	116	82-134	0	30				
Xylene (Total)	111	111	81-136	0	30				

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 021420018A

	Propene
3823256	103
3823258	96
3823260	100
3823262	104
3823264	95
3823266	90

*- 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
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 808255
Reported: 06/04/02 at 03:14 PM

Surrogate Quality Control

Blank	103
LCS	100
MS	96
MSD	95
Limits:	61-125

Analysis Name: UST-Unleaded Waters by 8260B
Batch number: P021481AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3823268	100	94	97	91
Blank	97	92	96	92
LCS	93	92	98	97
MS	94	92	98	99
MSD	95	93	98	99
Limits:	86-118	80-120	88-110	86-115

*- 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
Where quality is a science.

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 807952. Samples arrived at the laboratory on Friday, May 17, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
PZ29S-051602-BE Grab Water Sample	3821680
PZ29S-051602-BE Filtered Grab Water Sample	3821681
PZ29-051602-BE Grab Water Sample	3821682
PZ29-051602-BE Filtered Grab Water Sample	3821683
PZ29I-051602-BE Grab Water Sample	3821684
PZ29I-051602-BE Filtered Grab Water Sample	3821685
PZ29D-051602-BE Grab Water Sample	3821686
PZ29D-051602-BE Filtered Grab Water Sample	3821687
PZ27I-051602-BE Grab Water Sample	3821688
PZ27I-051602-BE Filtered Grab Water Sample	3821689
PZ27D-051602-BE Grab Water Sample	3821690
PZ27D-051602-BE Filtered Grab Water Sample	3821691
PZ27S-051602-BE Grab Water Sample	3821692
PZ27S-051602-BE Filtered Grab Water Sample	3821693
TB02127 Water Sample	3821694

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

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