Doc ID 352509 – 104(E) Response - AECOM - Part 6

(This document is a compilation of multiple prior Doc IDs)

EPA Region 5 Records Ctr.
350003

Please forward this set to:

807755 10160 13 D 1
MR ROB STENSON
EARTH TECH
4135 TECHNOLOGY PARKWAY
SHEBOYGAN WI 53083

10160/38 20842-54

2 of 2

DAIMLERCHRYSLER — Chain-of-Custody

1688 B

Lancaster Laboratories	Project Name: Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, Ohio	Address: 36133 Schodcraft	
Lancaster, PA 17601	Site Code:	Livonia, MI 48150	
Phone Number (717) 656-2300	RFA Number: ET02020	Consultant PM: Rob Stanson	
Fax Number (717) 656-2681	DaimlerChrysler PM:	Phone 734-779-2800 Fax 734-779-2860	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Alk & SO4	Dissolved COD	UST-UN							Remarks
PZ37I-051502-BE	5/15/02	11:55	G	GW	12	X	X								
PZ37D-051502-BE	5/15/02	12:50	G	GW	12	X	X								
PZ37S-051502-BE	5/15/02	14:00	G	GW	12	X	X								
PZ34S-051502-BE	5/15/02	16:35	G	GW	15	X	X	X							
PZ34I-051502-BE	5/15/02	16:45	G	GW	15	X	X	X							
PZ34D-051502-BE	5/15/02	17:45	G	GW	15	X	X	X							
TB02127	5/13/02	-	G	GW	1										Trip Blank

Sampler(s): BJE & DMD	Cooler ID # C01500, C06300, & C04842		Samples Relinquished under Airbill No. 8246741280 69		Temperature (corrected) 3.0°, 6.0°, 3.0°	
	Relinquished by: [signature]	Date: 5/15/02	Time: 19:00	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 5-16-02	Time: 0905	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

Lancaster Laboratories
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 807755. Samples arrived at the laboratory on Thursday, May 16, 2002. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
PZ37I-051502-BE Grab Water Sample	3820842
PZ37I-051502-BE Filtered Grab Water Sample	3820843
PZ37D-051502-BE Grab Water Sample	3820844
PZ37D-051502-BE Filtered Grab Water Sample	3820845
PZ37S-051502-BE Grab Water Sample	3820846
PZ37S-051502-BE Filtered Grab Water Sample	3820847
PZ34S-051502-BE Grab Water Sample	3820848
PZ34S-051502-BE Filtered Grab Water Sample	3820849
PZ34I-051502-BE Grab Water Sample	3820850
PZ34I-051502-BE Filtered Grab Water Sample	3820851
PZ34D-051502-BE Grab Water Sample	3820852
PZ34D-051502-BE Filtered Grab Water Sample	3820853
TB02127 Water Sample	3820854

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. WW 3820842

Collected:05/15/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:08
Discard: 07/29/2002
PZ37I-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37I SDG#: DCJ79-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.27		0.0350	mg/l	1
01758	Manganese	7439-96-5	0.489		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.	400.		0.41	mg/l	1
00216	Total Hardness	471-34-3	505.		2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	0.018	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.081	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.	1.79	J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	117.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	22.9	J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	2.0		0.060	mg/L	10
	hold until pricing fixed in APQ, or new APQ done.						
09052	Ferric Iron (Calculation)	n.a.	0.23	J	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	05/20/2002 11:37	Joanne M Gates	1
01758	Manganese	SW-846 6010B	1	05/20/2002 11:37	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:23	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/24/2002 09:29	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/20/2002 18:32	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820842

Collected:05/15/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:08
Discard: 07/29/2002
PZ37I-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37I SDG#: DCJ79-01

04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:23	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 16:34	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820843

Collected:05/15/2002 11:55 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37I-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z37IF SDG#: DCJ79-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	20.7	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	05/20/2002 08:15	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 3820844

Collected:05/15/2002 12:50 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37D-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37D SDG#: DCJ79-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	8.37	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.	337.	0.41	mg/l	1
00216	Total Hardness	471-34-3	490.	2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	0.165	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.98	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.	1.69 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	72.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	27.2 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	2.5	0.060	mg/L	10
09052	Ferric Iron (Calculation)	n.a.	5.8	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	05/20/2002 11:52	Joanne M Gates	1
01758	Manganese	SW-846 6010B	1	05/20/2002 11:52	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:25	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/24/2002 09:32	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/22/2002 14:42	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820844

Collected:05/15/2002 12:50 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37D-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37D SDG#: DCJ79-03

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:25	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 17:05	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820845

Collected:05/15/2002 12:50 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37D-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z37DF SDG#: DCJ79-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	25.0	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	05/20/2002 08 15	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 3820846

Collected:05/15/2002 14:00 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37S-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37S SDG#: DCJ79-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	7.92	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0344	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.	272.	0.41	mg/l	1
00216	Total Hardness	471-34-3	402.	2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	0.202	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	3.87	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.	1.24 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	51.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	16.3 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.11	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	7.8	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	05/20/2002 11:57	Joanne M Gates	1
01758	Manganese	SW-846 6010B	1	05/20/2002 11:57	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:26	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	2	05/24/2002 09:55	Michelle A Hartman	2
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/22/2002 14:50	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820846

Collected:05/15/2002 14:00 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37S-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ37S SDG#: DCJ79-05

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:27	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 17:15	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820847

Collected:05/15/2002 14:00 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ37S-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z37SF SDG#: DCJ79-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	29.4	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	05/20/2002 08:15	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 3820848

Collected:05/15/2002 16:35 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34S-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34S SDG#: DCJ79-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.286	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.346	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.	360.	0.41	mg/l	1
00216	Total Hardness	471-34-3	533.	2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	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.	1.48 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	136.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	16.3 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0963 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.19	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
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
01754	Iron	SW-846 6010B	1	05/20/2002 12:02	Joanne M Gates	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 3820848

Collected:05/15/2002 16:35 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34S-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34S SDG#: DCJ79-07

01758	Manganese	SW-846 6010B	1	05/20/2002 12:02	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130 2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:27	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/24/2002 09:35	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/22/2002 14:58	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:29	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 17:26	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/17/2002 12:36	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002 12:36	Susan McMahon-Luu	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820849

Collected:05/15/2002 16:35 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34S-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z34SF SDG#: DCJ79-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	20.7	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	05/20/2002 08:15	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 3820850

Collected:05/15/2002 16:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34I-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34I SDG#: DCJ79-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.07	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.156	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.	380.	0.41	mg/l	1
00216	Total Hardness	471-34-3	502.	2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	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.	1.54 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	97.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	14.2 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	2.2	0.10	mg/L	10
09052	Ferric Iron (Calculation)	n.a.	N.D.	0.10	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
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
01754	Iron	SW-846 6010B	1	05/20/2002 12:07	Joanne M Gates	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 3820850

Collected:05/15/2002 16:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34I-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34I SDG#: DCJ79-09

01758	Manganese	SW-846 6010B	1	05/20/2002 12:07	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:28	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/24/2002 09:36	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/22/2002 15:23	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:31	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 17:36	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/17/2002 13:01	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002 13:01	Susan McMahon-Luu	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820851

Collected:05/15/2002 16:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:09
Discard: 07/29/2002
PZ34I-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z34IF SDG#: DCJ79-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	22.9	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	05/20/2002 08:15	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 3820852

Collected:05/15/2002 17:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:10
Discard: 07/29/2002
PZ34D-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34D SDG#: DCJ79-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	2.23	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.161	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.	384.	0.41	mg/l	1
00216	Total Hardness	471-34-3	499.	2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00229	Sulfite	14265-45-3	N.D.	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.	1.61 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	91.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	12.0 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	2.4	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
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
01754	Iron	SW-846 6010B	1	05/20/2002 12:12	Joanne M Gates	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 3820852

Collected:05/15/2002 17:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:10
Discard: 07/29/2002
PZ34D-051502-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ34D SDG#: DCJ79-11

01758	Manganese	SW-846 6010B	1	05/20/2002 12:12	Joanne M Gates	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 16:54	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/16/2002 12:55	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	2	05/16/2002 12:30	Michelle A Hartman	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/24/2002 09:37	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/22/2002 15:31	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/20/2002 08:15	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/16/2002 21:15	Daniel S Smith	10
09052	Ferric Iron (Calculation)	calculation	1	05/21/2002 12:34	Nina C Haller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 17:46	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/17/2002 13:26	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002 13:26	Susan McMahon-Luu	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/19/2002 21:00	James L Mertz	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3820853

Collected:05/15/2002 17:45 by BJE

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:10
Discard: 07/29/2002
PZ34D-051502-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z34DF SDG#: DCJ79-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	25.0	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	05/20/2002 08:15	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 3820854

Collected:05/13/2002 00:00

Account Number: 10160

Submitted: 05/16/2002 09:05
Reported: 05/29/2002 at 17:10
Discard: 07/29/2002
TB02127 Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

T2127 SDG#: DCJ79-13TB*

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

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	05/17/2002 12:11	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002 12:11	Susan McMahon-Luu	n.a.

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 05/29/02 at 05:10 PM

Group Number: 807755

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02136021602A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Total Hardness	N.D.	.42	mg/l	100		98-107		
Batch number: 02136105102A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Nitrite Nitrogen	N D.	.015	mg/l	103		90-110		
Batch number: 02136834402A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Ferrous Iron	N.D.	.006	mg/L	101		90-112		
Batch number: 021391848001	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Iron	N.D.	.035	mg/l	100		91-114		
Manganese	N D.	.0005	mg/l	102		94-110		
Batch number: 02140011112A	Sample number(s): 3820842							
Total Organic Carbon	0.59 J	.5	mg/l	104		85-115		
Batch number: 02140011112B	Sample number(s): 3820844,3820846,3820848,3820850,3820852							
Total Organic Carbon	0.59 J	.5	mg/l	104		85-115		
Batch number: 02140400101A	Sample number(s): 3820842-3820853							
Chemical Oxygen Demand				100		95-107		
Batch number: 02141112501A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Sulfate (turbidimetric)	1.6 J	1.5	mg/l	94		90-110		
Batch number: 021420018A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Ethane	N.D.	1.	ug/l	107		80-120		
Ethene	N D.	1.	ug/l	106		80-120		
Batch number: 02142020201A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Alkalinity to pH 4.5				99		97-101		
Batch number: 02143022901A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852							
Sulfite	N.D.	.77	mg/l	87		68-103		
Batch number: 02144106102A	Sample number(s): 3820842,3820844,3820846							
Nitrate Nitrogen	N.D	.04	mg/l	103		90-110		
Batch number: 02144106102B	Sample number(s): 3820848,3820850,3820852							
Nitrate Nitrogen	N.D.	.04	mg/l	103		90-110		
Batch number: N021371AA	Sample number(s): 3820848,3820850,3820852,3820854							
Benzene	N.D.	.5	ug/l	98	103	84-120	5	30
Toluene	N.D.	.7	ug/l	97	100	86-123	3	30
Ethylbenzene	N.D.	.8	ug/l	95	99	88-124	4	30
Xylene (Total)	N.D.	.8	ug/l	98	101	89-124	3	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: 02136021602A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Total Hardness	100	100	93-115	0	2	499.	503.	1	4
Batch number: 02136105102A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								

*- 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: 05/29/02 at 05:10 PM

Group Number: 807755

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
Nitrite Nitrogen	106		90-110			N.D.	N.D.	5 (1)	20
Batch number: 02136834402A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Ferrous Iron	99	100	40-149	0	5	0.0071 J	0.0245 J	111* (1)	20
Batch number: 021391848001	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Iron	101	106	75-125	4	20	0.169	0.170	0 (1)	20
Manganese	102	104	75-125	2	20	0.171	0.171	0	20
Batch number: 02140011112A	Sample number(s): 3820842								
Total Organic Carbon	99		73-128			1.68 J	1.55 J	8* (1)	3
Batch number: 02140011112B	Sample number(s): 3820844,3820846,3820848,3820850,3820852								
Total Organic Carbon	98		73-128			1.48 J	1.40 J	6* (1)	3
Batch number: 02140400101A	Sample number(s): 3820842-3820853								
Chemical Oxygen Demand	97	98	82-111	2	2	62.	56.	11* (1)	4
Batch number: 02141112501A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Sulfate (turbidimetric)	99	100	69-124	1	4	109.	106.	3	4
Batch number: 021420018A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Ethane	110	105	74-121	5	20				
Ethene	120	116	73-133	4	20				
Batch number: 02142020201A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Alkalinity to pH 8.3						98.1	97.0	1	4
Alkalinity to pH 4 5	101	95	64-130	4*	2	116.	112.	3	4
Batch number: 02143022901A	Sample number(s): 3820842,3820844,3820846,3820848,3820850,3820852								
Sulfite	80	79	29-104	1	20	N.D.	N.D.	200* (1)	20
Batch number: 02144106102A	Sample number(s): 3820842,3820844,3820846								
Nitrate Nitrogen	104		90-110			0.046 J	N.D.	42* (1)	3
Batch number: 02144106102B	Sample number(s): 3820848,3820850,3820852								
Nitrate Nitrogen	100		90-110			N.D.	N.D.	200* (1)	3
Batch number: N021371AA	Sample number(s): 3820848,3820850,3820852,3820854								
Benzene	109		78-134						
Toluene	107		78-133						
Ethylbenzene	105		82-134						
Xylene (Total)	108		81-136						

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 021420018A

	Propene
3820842	96
3820844	92
3820846	87
3820848	100
3820850	100
3820852	87

*- 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: 05/29/02 at 05:10 PM

Group Number: 807755

Surrogate Quality Control

Blank	103
LCS	100
MS	96
MSD	95
Limits:	61-125

Analysis Name: UST-Unleaded Waters by 8260B
Batch number: N021371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3820848	106	96	103	96
3820850	106	99	102	95
3820852	108	100	103	95
3820854	106	98	102	95
Blank	106	99	101	96
LCS	101	99	105	104
LCSD	102	99	105	104
MS	103	99	105	104
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

10160/ 3823998-020

CHRYSLER CORPORATION

Chain-of-Custody

04642 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number 1-800-833-5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET02020 Chrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 36133 Schoolcraft Livonia, MI 48150 Consultant PM: Rob Stenson Phone: 734-779-2800 Fax: 734-779-2860	

Turn-around Time Request: 24 calendar hrs; 48 calendar hrs; 10 days; 28 days; (14 calendar Days)

Data Package Deliverables: (circle) (Chrysler Level 1); Chrysler Level 2; Other (specify)

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

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	8015B	Mn/Fe	NO_3	TOC	Fe^{2+}	SO_3	NO_2	COD	Dissolved COD	Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other	Remarks
MWB2-052102-BE	5/21/02	09:25	G	GW	12	X	X	X	X	X	X	X	X	X					
MWBB2-052102-BE	5/21/02	09:35	G	GW	12	X	X	X	X	X	X	X	X	X					
MWBS-052102-BE	5/21/02	09:45	G	GW	12	X	X	X	X	X	X	X	X	X					
MWC2-052102-BE	5/21/02	10:40	G	GW	12	X	X	X	X	X	X	X	X	X					
MWB1-052102-BE	5/21/02	11:55	G	GW	12	X	X	X	X	X	X	X	X	X					
MWC1-052102-BE	5/21/02	12:00	G	GW	12	X	X	X	X	X	X	X	X	X					
MWA2-052102-BE	5/21/02	14:30	G	GW	12	X	X	X	X	X	X	X	X	X					
PZ16D-052102-BE	5/21/02	14:35	G	GW	12	X	X	X	X	X	X	X	X	X					
MWA5-052102-BE	5/21/02	15:45	G	GW	12	X	X	X	X	X	X	X	X	X					Fe^{2+} bottle rec'd broken @ lab
PZ13I-052102-BE	5/21/02	16:30	G	GW	12	X	X	X	X	X	X	X	X	X					

Sampler(s): BJE & DMD

Bottles Relinquished under Airbill No:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Brian J. Earl	5/21/02	18:30				Yes No
						Yes No
			Received for Laboratory by: Kathy Binkley	5-22-02	0915	Yes No

Samples Relinquished under Airbill No: 8347008163 75

Temperature (corrected): 6°, 4°, 4°, 4.5°, 43.3°

Cooler ID # C06297, C06033, C05531, C06301, & C05530

Is RFA sampling complete? (Yes) No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy. Data package; Yellow Retained by laboratory; Pink Retained by sampler

Revision No 1
Created September 23, 1997

10160/3823998-020

CHRYSLER CORPORATION

Chain-of-Custody

04643 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number 1-800-833-5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET02020 Chrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 36133 Schoolcraft Livonia, MI 48150 Consultant PM: Rob Stensch Phone: 734-779-2800 Fax: 734-779-2860	

Turn-around Time Request:
24 calendar hrs
48 calendar hrs
10 days
28 days 14 calendar Days

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

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

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Total Hardnes	Alk, Alk, SO4							Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
MWB2-052102-BE	5/21/02	09:25	G	GW	12	X	X											
MWBB2-052102-BE	5/21/02	09:35	G	GW	12	X	X											
MW18S-052102-BE	5/21/02	09:45	G	GW	12	X	X											
MWC2-052102-BE	5/21/02	10:40	G	GW	12	X	X											
MWB1-052102-BE	5/21/02	11:55	G	GW	12	X	X											
MWC1-052102-BE	5/21/02	12:00	G	GW	12	X	X											
MWA2-052102-BE	5/21/02	14:30	G	GW	12	X	X											
PZ16D-052102-BE	5/21/02	14:35	G	GW	12	X	X											
MWA5-052102-BE	5/21/02	15:45	G	GW	12	X	X											
PZ13I-052102-BE	5/21/02	16:30	G	GW	12	X	X											

Sampler(s): BJE & DD

Bottles Relinquished under Airbill No.

Samples Relinquished under Airbill No 8347088 6375

Temperature (corrected) 6.4°, 4.5°, 4°, 3°

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
[signature]	5/21/02	18:30				Yes No
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 5-22-02	Time: 0915	Custody Seal Intact? Yes No

Cooler ID # See Page 1

Is RFA sampling complete? Yes No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created September 23, 1997

10160/3823998-020

CHRYSLER CORPORATION

Chain-of-Custody

04644 A.

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number 1-800-833-5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET02020 Chrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 36133 Schoolcraft Livonia, MI 48150 Consultant PM: Rob Stenson Phone: 734-779-2800 Fax: 734-779-2860	

Turn-around Time Request:
24 calendar hrs
48 calendar hrs
10 days
28 days (14 Calendar Days)

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify).

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

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	8015B	Mn/Fe	NO_3	TOC	Fe^{2+}	SO_3	NO_2	COD	Dissolved COD	Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ___	Remarks
PZ13D-052102-BE	5/21/02	16:40	G	GW	12	X	X	X	X	X	X	X	X	X					
TB02127	5/13/02	—	G	O	1														Trip Blank

Lab Use Only

Sampler(s)	Bottles Relinquished under Airbill No.			Samples Relinquished under Airbill No 8347008116375			Temperature (corrected) 6.°4.°4.°4.5&3.°
BJE & DMD	Relinquished by: [signature]	Date: 5/21/02	Time: 18:30	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Cooler ID # See Page 1	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Beinkey	Date: 5-23	Time: 0915	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created September 23, 1997

10160/3823995-020

CHRYSLER CORPORATION

Chain-of-Custody

04645 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number 1-800-833-5097 Fax Number (919) 379-4050	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET 02020 Chrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 36133 Schoolcraft Livonia, MI 48150 Consultant PM: Rob Stenson Phone: 734-779-2800 Fax: 734-779-2860	

Turn-around Time Request:
24 calendar hrs
48 calendar hrs
10 days
28 days (14 Calendar Days)

Data Package Deliverables: (circle)
Chrysler Level 1
Chrysler Level 2
Other (specify)

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

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Total Hardness	Alk, Alk, SO4								Volatiles pH <2	Metals pH < 2	Cyanide pH > 12	Other ____	Remarks
PZ13D-052102-BE	5/21/02	16:40	G	GW	12	X	X												
TB02127	5/13/02	–	–	O	1														Trip Blank

Lab Use Only

Sampler(s)	Bottles Relinquished under Airbill No.			Samples Relinquished under Airbill No. 834700816375			Temperature (corrected) 6.°C 4.°C 4.°C
BJE & DMD	Relinquished by: Brian J. Earl	Date: 18:30	Time: 5/21/02	Received by:	Date:	Time:	Custody Seal Intact? Yes No 4.5°C 3.°C
Cooler ID # See Page 1	Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 5-22-02	Time: 0915	Custody Seal Intact? Yes No

Chrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 1
Created September 23, 1997

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

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

Analysis Report

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

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

Analysis Report

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

Analysis Report

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

Analysis Report

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

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

Analysis Report

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

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

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

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

Analysis Report

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

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

Analysis Report

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

Analysis Report

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
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
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.

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

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.

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

10160 / 3823256-68

DAIMLERCHRYSLER — Chain-of-Custody

1693 B

Lancaster Laboratories	Project Name: Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, Ohio	Address: 36133 Schoolcraft	
Lancaster, PA 17601	Site Code:	Livonia, MI 48150	
Phone Number (717) 656-2300	RFA Number: ET 02020	Consultant PM: Rob Stensch	
Fax Number (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 734-779-2800 Fax: 734-779-2860	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Total Hardness	Alk, Alk, SO4	UST-UV							Remarks
PZ8I-052002-BE	5/20/02	14:10	G	GW	12	X	X								
PZ8D-052002-BE	5/20/02	14:25	G	GW	12	X	X								
PZ8S-052002-BE	5/20/02	15:05	G	GW	12	X	X								
PZ12I-052002-BE	5/20/02	16:20	G	GW	12	X	X								
PZ12D-052002-BE	5/20/02	16:20	G	GW	12	X	X								
MWA6-052002-BE	5/20/02	17:20	G	GW	12	X	X								
TB02127	5/13/02	-	-	O	1										Trip Blank

Sampler(s) BJE & DMD

Cooler ID # C05507, C0273i, & C06215

Samples Relinquished under Airbill No. 834700814660

Temperature (corrected) 4/5.5/6°

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Brian J. Earl	5/21/02	18:30				Yes No

Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			[illegible]	5/21/02	0915	Yes No

Is RFA sampling complete? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

10160 / 2823226-68

DAIMLERCHRYSLER — Chain-of-Custody

1694 B

Lancaster Laboratories	Project Name: Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, Ohio	Address: 36133 Schoolcraft	
Lancaster, PA 17601	Site Code:	Livonia, MI 48150	
Phone Number (717) 656-2300	RFA Number: ET02020	Consultant PM: Rob Stenson	
Fax Number (717) 656-2681	DaimlerChrysler PM:	Phone: 734-779-2800	Fax: 734-779-2860

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	8015B	Mn/Fe	NO_3	TOC	Fe^{2+}	SO_3	NO_2	COD	Dissolved COD	Remarks
PZ8I-052002-BE	5/20/02	14:10	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ8D-052002-BE	5/20/02	14:25	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ8S-052002-BE	5/20/02	15:05	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ12I-052002-BE	5/20/02	16:20	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ12D-052002-BE	5/20/02	16:20	G	GW	12	X	X	X	X	X	X	X	X	X	
MWA6-052002-BE	5/20/02	17:20	G	GW	12	X	X	X	X	X	X	X	X	X	
TB02127	5/13/02	—	~~G~~	O	1										Trip Blank

Sampler(s): BJE + DMO	Cooler ID #: C05507, C02731, & C06215			Samples Relinquished under Airbill No.: 834700814660			Temperature (corrected): 4/8.5/6°
	Relinquished by: [signature]	Date: 5/20/02	Time: 18:30	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: [signature]	Date: 5/21/02	Time: 0915	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package; Yellow Retained by laboratory; Pink Retained by sampler

Revision No 3
Created July 9, 1999

Lancaster Laboratories
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

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

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

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 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

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

Analysis Report

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

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.

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

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

10160/3821680-94

DAIMLERCHRYSLER Chain-of-Custo

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number (717) 656-2300 Fax Number (717) 656-2681	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET02020 DaimlerChrysler PM: Gary Stanczuk	Consultant: E Address: 3 Li Consultant PM: Re Phone: 734

807952 10160 15 D 1
MR ROB STENSON
EARTH TECH
4135 TECHNOLOGY PARKWAY
SHEBOYGAN WI 53083

this set is for: 7MISC BTX

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	8015B	Mn/Fe	NO_3	TOC	Fe^{2+}	SO_3	NO_2	COD	Dissolved O2	Remarks
PZ29S-051602-BE	5/16/02	11:25	G	GW	15	X	X	X	X	X	X	X	X	X	
PZ29-051602-BE	5/16/02	11:30	G	GW	15	X	X	X	X	X	X	X	X	X	
PZ29I-051602-BE	5/16/02	11:35	G	GW	15	X	X	X	X	X	X	X	X	X	
PZ29D-051602-BE	5/16/02	12:35	G	GW	15	X	X	X	X	X	X	X	X	X	
PZ27I-051602-BE	5/16/02	15:30	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ27D-051602-BE	5/16/02	16:30	G	GW	12	X	X	X	X	X	X	X	X	X	
PZ27S-051602-BE	5/16/02	15:15	G	GW	12	X	X	X	X	X	X	X	X	X	
TB02127	5/13/02	-	-	-	1										Trip Blank

Sampler(s): BJE + DMD

Cooler ID # C00421, C06277, C02153, & C04733

Samples Relinquished under Airbill No 824674128070

Temperature (corrected) 4, 4.5, 5, 6° C

Relinquished by:	Date:	Time:	Received by	Date:	Time:	Custody Seal Intact?
Brian J. Gal	5/16/02	18:00				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			U. Lauer	5/17/02	0905	(Yes) No

Is RFA sampling complete? Yes (No)

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

10160/3821680-94

DAIMLERCHRYSLER — Chain-of-Custody

1692 B

Lancaster Laboratories	Project Name: Dayton Thermal	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, Ohio	Address: 36133 Schoolcraft	
Lancaster, PA 17601	Site Code:	Livonia, MI 48150	
Phone Number (717) 656-2300	RFA Number: ET02020	Consultant PM: Rob Stenson	
Fax Number (717) 656-2681	DaimlerChrysler PM: Gary Stanczuk	Phone: 734-779-2800	Fax: 734-779-2860

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Total Hardness	Alk, Alk, SO4	UST - UN							Remarks
PZ29S-051602-BE	5/16/02	11:25	G	GW	15	X	X	X							
PZ29-051602-BE	5/16/02	11:30	G	GW	15	X	X	X							
PZ29I-051602-BE	5/16/02	11:35	G	GW	15	X	X	X							
PZ29D-051602-BE	5/16/02	12:35	G	GW	15	X	X	X							
PZ27I-051602-BE	5/16/02	15:30	G	GW	12	X	X								
PZ27D-051602-BE	5/16/02	16:30	G	GW	12	X	X								
PZ27S-051602-BE	5/16/02	15:15	G	GW	12	X	X								
TB02127	5/13/02	-	-	-	1										Trip Blank
															4,4.5,5,6°

Sampler(s) BJE + DMD

Cooler ID # C00421, C06277, C02153, & C04733

Samples Relinquished under Airbill No. 824674128070

Temperature (corrected) ___ C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Brian J. Gaul	5/16/02	18:00				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			[illegible]	5/17/02	0905	Yes No

Is RFA sampling complete? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink Retained by sampler

Revision No 3
Created July 9, 1999

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

Lancaster Laboratories
Where quality is a science

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

Respectfully Submitted,

Elizabeth A. Smith
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. WW 3821680

Collected:05/16/2002 11:25 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29S-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29S SDG#: DCJ82-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.422		0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0901		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.	410.		0.41	mg/l	1
00216	Total Hardness	471-34-3	567.		2.1	mg/l	5
00219	Nitrite Nitrogen	14797-65-0	0.020	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.09		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.	4.6		0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	94.		6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	37.1	J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	N.D.		0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.42		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	1.3	J	1.0	ug/l	1
02300	UST-Unleaded Waters by 8260B						
05401	Benzene	71-43-2	N.D.		5.	ug/l	10
05407	Toluene	108-88-3	N.D.		7.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.		8.	ug/l	10
06310	Xylene (Total)	1330-20-7	N.D.		8.	ug/l	10
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	05/29/2002 05:17	Donna R Sackett	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 3821680

Collected:05/16/2002 11:25 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29S-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29S SDG#: DCJ82-01

01758	Manganese	SW-846 6010B	1	05/29/2002 05:17	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00216	Total Hardness	EPA 130.2 (modified)	1	05/30/2002 11:33	Susan A Engle	5
00219	Nitrite Nitrogen	EPA 353.2	1	05/18/2002 09:15	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:28	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 14:43	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/21/2002 10:00	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:06	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 18:07	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/21/2002 15:49	Joel R Nace	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 15:49	Joel R Nace	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Analysis Report

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3821681

Collected:05/16/2002 11:25 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29S-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z29SF SDG#: DCJ82-02

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	05/21/2002 07:43	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 3821682

Collected:05/16/2002 11:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29- SDG#: DCJ82-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.163	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.0823	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.	413.	0.41	mg/l	1
00216	Total Hardness	471-34-3	580.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	0.021 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.11	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.	4.3	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	87.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	32.8 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.0071 J	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.16	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
02300	UST-Unleaded Waters by 8260B					
05401	Benzene	71-43-2	N.D.	5.	ug/l	10
05407	Toluene	108-88-3	N.D.	7.	ug/l	10
05415	Ethylbenzene	100-41-4	N.D.	8.	ug/l	10
06310	Xylene (Total)	1330-20-7	N.D.	8.	ug/l	10

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

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3821682

Collected:05/16/2002 11:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29- SDG#: DCJ82-03

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	05/29/2002 05:22	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/29/2002 05:22	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:16	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:29	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 15:07	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:10	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 18:17	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/21/2002 16:15	Joel R Nace	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 16:15	Joel R Nace	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3821683

Collected:05/16/2002 11:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z29-F SDG#: DCJ82-04

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	05/21/2002 07:43	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 3821684

Collected:05/16/2002 11:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29I-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29I SDG#: DCJ82-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.303	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.191	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.	347.	0.41	mg/l	1
00216	Total Hardness	471-34-3	537.	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	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	152.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	9.4 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.27	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.036 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
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
01754	Iron	SW-846 6010B	1	05/29/2002 05:28	Donna R Sackett	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 3821684

Collected:05/16/2002 11:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:43
Discard: 07/30/2002
PZ29I-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29I SDG#: DCJ82-05

01758	Manganese	SW-846 6010B	1	05/29/2002 05:28	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:18	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:30	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 15:15	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:14	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 18:28	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/21/2002 16:40	Joel R Nace	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 16:40	Joel R Nace	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3821685

Collected:05/16/2002 11:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ29I-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z29IF SDG#: DCJ82-06

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	05/21/2002 07:43	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 3821686

Collected:05/16/2002 12:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ29D-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29D SDG#: DCJ82-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	3.54	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.248	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.	386.	0.41	mg/l	1
00216	Total Hardness	471-34-3	503.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	0.019 J	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.	1.85 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	86.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	9.4 J	8.8	mg/l	1
08344	Ferrous Iron	n.a.	3.73	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
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
01754	Iron	SW-846 6010B	1	05/29/2002 05:33	Donna R Sackett	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 3821686

Collected:05/16/2002 12:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ29D-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ29D SDG#: DCJ82-07

01758	Manganese	SW-846 6010B	1	05/29/2002 05:33	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:21	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:31	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 15:39	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1
08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	5
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:25	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 18:38	Lisa A Johnson	1
02300	UST-Unleaded Waters by 8260B	SW-846 8260B	1	05/21/2002 17:05	Joel R Nace	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 17:05	Joel R Nace	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3821687

Collected:05/16/2002 12:35 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ29D-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z29DF SDG#: DCJ82-08

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	05/21/2002 07:43	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 3821688

Collected:05/16/2002 15:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27I-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27I SDG#: DCJ82-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	0.688	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.290	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.	271.	0.41	mg/l	1
00216	Total Hardness	471-34-3	442.	4.2	mg/l	10
00219	Nitrite Nitrogen	14797-65-0	0.022 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.23	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.	1.07 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	146.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	N.D.	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.41	0.0060	mg/L	1
09052	Ferric Iron (Calculation)	n.a.	0.28	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	05/29/2002 05:39	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/29/2002 05:39	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:23	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:33	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 15:47	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3821688

Collected:05/16/2002 15:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27I-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27I SDG#: DCJ82-09

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	1
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:36	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/22/2002 18:48	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3821689

Collected:05/16/2002 15:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27I-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z27IF SDG#: DCJ82-10

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	05/21/2002 07:43	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 3821690

Collected:05/16/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27D-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27D SDG#: DCJ82-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.75	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.199	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.	269.	0.41	mg/l	1
00216	Total Hardness	471-34-3	377.	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	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.	1.29 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	79.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	N.D.	8.8	mg/l	1
08344	Ferrous Iron	n.a.	1.85	0.024	mg/L	4
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	05/29/2002 05:44	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/29/2002 05:44	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:24	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:34	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/24/2002 15:55	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	Susan A Engle	1

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3821690

Collected:05/16/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27D-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27D SDG#: DCJ82-11

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	4
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:41	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 16:35	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Analysis Report

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3821691

Collected:05/16/2002 16:30 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27D-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z27DF SDG#: DCJ82-12

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	05/21/2002 07:43	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 3821692

Collected:05/16/2002 15:15 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27S-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27S SDG#: DCJ82-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01754	Iron	7439-89-6	1.05	0.0350	mg/l	1
01758	Manganese	7439-96-5	0.255	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.	264.	0.41	mg/l	1
00216	Total Hardness	471-34-3	399.	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	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.	1.06 J	0.50	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	135.	6.0	mg/l	4
04001	Chemical Oxygen Demand	n.a.	N.D.	8.8	mg/l	1
08344	Ferrous Iron	n.a.	0.92	0.012	mg/L	2
09052	Ferric Iron (Calculation)	n.a.	0.13 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	05/29/2002 05:49	Donna R Sackett	1
01758	Manganese	SW-846 6010B	1	05/29/2002 05:49	Donna R Sackett	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	05/22/2002 19:52	Elaine F Stoltzfus	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	05/22/2002 19:52	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	05/18/2002 09:28	Christian C Ehrhart	1
00220	Nitrate Nitrogen	EPA 353.2	1	05/29/2002 11:35	Michelle A Hartman	1
00229	Sulfite	EPA 377.1	1	05/23/2002 12:30	Michele L Graham	1
00273	Total Organic Carbon	EPA 415.1	1	05/27/2002 07:47	Timothy M Petree	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	05/29/2002 06:30	Susan A Engle	4
04001	Chemical Oxygen Demand	EPA 410.4	1	05/21/2002 07:43	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 3821692

Collected:05/16/2002 15:15 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27S-051602-BE Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

PZ27S SDG#: DCJ82-13

08344	Ferrous Iron	SM 18, 3500-Fe D (modified)	1	05/19/2002 02:45	Daniel S Smith	2
09052	Ferric Iron (Calculation)	calculation	1	05/29/2002 11:44	Erika J Miller	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B, modified	1	05/23/2002 16:45	Lisa A Johnson	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	05/21/2002 12:50	Christine Conlin	1

Lancaster Laboratories
Where quality is a science

Lancaster Laboratories Sample No. WW 3821693

Collected:05/16/2002 15:15 by BJE

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
PZ27S-051602-BE Filtered Grab Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

Z27SF SDG#: DCJ82-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
04001	Chemical Oxygen Demand	n.a.	N.D.	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	05/21/2002 07:43	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 3821694

Collected:05/13/2002 00:00

Account Number: 10160

Submitted: 05/17/2002 09:05
Reported: 05/30/2002 at 17:44
Discard: 07/30/2002
TB02127 Water Sample
Site Code: SC001 RFA# ET02020
Dayton Thermal-NAP/Dayton, OH

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

TB02- SDG#: DCJ82-15TB*

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	05/21/2002 17:31	Joel R Nace	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 17:31	Joel R Nace	n.a.

Lancaster Laboratories
Where quality is a science

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 05/30/02 at 05:45 PM

Group Number: 807952

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02138105101A	Sample number(s): 3821680,3821682							
Nitrite Nitrogen	N D.	.015	mg/l	101		90-110		
Batch number: 02138105101B	Sample number(s): 3821684,3821686,3821688,3821690,3821692							
Nitrite Nitrogen	N D.	.015	mg/l	101		90-110		
Batch number: 02139834401A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Ferrous Iron	N.D.	.006	mg/L	102		90-112		
Batch number: 02141112501A	Sample number(s): 3821680							
Sulfate (turbidimetric)	1.6 J	1.5	mg/l	94		90-110		
Batch number: 021411848002	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Iron	N.D.	.035	mg/l	100		91-114		
Manganese	N.D.	.0005	mg/l	101		94-110		
Batch number: 02141400102A	Sample number(s): 3821680-3821693							
Chemical Oxygen Demand				99		95-107		
Batch number: 021420018A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Ethane	N.D.	1.	ug/l	107		80-120		
Ethene	N.D.	1.	ug/l	106		80-120		
Batch number: 02142020202A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Alkalinity to pH 4.5				99		97-101		
Batch number: 02143022901A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Sulfite	N.D.	.77	mg/l	87		68-103		
Batch number· 02144011112A	Sample number(s): 3821680,3821682,3821684,3821686,3821688							
Total Organic Carbon	N.D.	.5	mg/l	98		85-115		
Batch number: 02144011112B	Sample number(s): 3821690,3821692							
Total Organic Carbon	N.D.	.5	mg/l	98		85-115		
Batch number: 02149106102A	Sample number(s): 3821680,3821682							
Nitrate Nitrogen	N.D.	.04	mg/l	103		90-110		
Batch number: 02149106102B	Sample number(s): 3821684,3821686,3821688,3821690,3821692							
Nitrate Nitrogen	N.D.	.04	mg/l	103		90-110		
Batch number: 02149112501A	Sample number(s): 3821682,3821684,3821686,3821688,3821690,3821692							
Sulfate (turbidimetric)	1.6 J	1.5	mg/l	95		90-110		
Batch number: 02150021601A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692							
Total Hardness	N.D.	.42	mg/l	102		98-107		
Batch number: T021411AA	Sample number(s): 3821680,3821682,3821684,3821686,3821694							
Benzene	N.D.	.5	ug/l	97	96	84-120	0	30
Toluene	N.D.	.7	ug/l	95	98	86-123	4	30
Ethylbenzene	N.D.	.8	ug/l	94	98	88-124	4	30
Xylene (Total)	N.D.	.8	ug/l	97	99	89-124	2	30

Sample Matrix Quality Control

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- 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: 807952
Reported: 05/30/02 at 05:45 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 02138105101A	Sample number(s): 3821680,3821682								
Nitrite Nitrogen	107		90-110			N.D.	N.D.	14 (1)	20
Batch number: 02138105101B	Sample number(s): 3821684,3821686,3821688,3821690,3821692								
Nitrite Nitrogen	82*		90-110			0.016 J	0.016 J	0 (1)	20
Batch number: 02139834401A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Ferrous Iron	104	102	40-149	2	5	3.73	3.76	1	20
Batch number: 02141112501A	Sample number(s): 3821680								
Sulfate (turbidimetric)	99	100	69-124	1	4	109.	106.	3	4
Batch number: 021411848002	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Iron	100	93	75-125	5	20	0.223	0.241	7 (1)	20
Manganese	99	98	75-125	1	20	0.0031 J	0.0030 J	3 (1)	20
Batch number: 02141400102A	Sample number(s): 3821680-3821693								
Chemical Oxygen Demand	99	99	82-111	0	2	8,200.	7,900.	4	4
Batch number: 021420018A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Ethane	110	105	74-121	5	20				
Ethene	120	116	73-133	4	20				
Batch number: 02142020202A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Alkalinity to pH 4.5	93	96	64-130	2	2	189.	190.	1	4
Batch number: 02143022901A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Sulfite	80	79	29-104	1	20	N.D.	N.D.	200* (1)	20
Batch number: 02144011112A	Sample number(s): 3821680,3821682,3821684,3821686,3821688								
Total Organic Carbon	95		73-128			4.6	4.5	0 (1)	3
Batch number: 02144011112B	Sample number(s): 3821690,3821692								
Total Organic Carbon	94		73-128			1.29 J	1.09 J	17* (1)	3
Batch number: 02149106102A	Sample number(s): 3821680,3821682								
Nitrate Nitrogen	98		90-110			0.041 J	N.D.	57* (1)	3
Batch number: 02149106102B	Sample number(s): 3821684,3821686,3821688,3821690,3821692								
Nitrate Nitrogen	101		90-110			N.D.	N.D.	0 (1)	3
Batch number: 02149112501A	Sample number(s): 3821682,3821684,3821686,3821688,3821690,3821692								
Sulfate (turbidimetric)	96	94	69-124	2	4	146.	142.	3	4
Batch number: 02150021601A	Sample number(s): 3821680,3821682,3821684,3821686,3821688,3821690,3821692								
Total Hardness	101	102	93-115	0	2	221.	223.	1	4
Batch number: T021411AA	Sample number(s): 3821680,3821682,3821684,3821686,3821694								
Benzene	100		78-134						
Toluene	100		78-133						
Ethylbenzene	98		82-134						
Xylene (Total)	100		81-136						

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 021420018A
Propene

*- 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: 807952
Reported: 05/30/02 at 05:45 PM

Surrogate Quality Control

3821680	96
3821682	92
3821684	91
3821686	87
3821688	94
3821690	102
3821692	97
Blank	103
LCS	100
MS	96
MSD	95
Limits:	61-125

Analysis Name: UST-Unleaded Waters by 8260B
Batch number: T021411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3821680	98	93	96	94
3821682	98	93	93	93
3821684	98	93	92	93
3821686	100	95	95	93
3821694	100	93	93	91
Blank	97	92	93	93
LCS	94	94	99	96
LCSD	93	93	99	99
MS	94	93	98	97
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

COMPUCHEM
a division of Liberty Analytical Corp.

EPA Region 5 Records Ctr.
350004

June 27, 2003

Earth Tech
~~CHRYSLER~~ 6/27/03
36133 Schoolcraft Road
Attn: Justin Kelley
Livonia, MI 48150

20 VOAs on ice

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #: Y2974

Attn.: Earth Tech

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 113

501 Madison Avenue ■ Cary, N C 27513 ■ Tel. 919-379-4100 ■ Fax 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
Y2974-12	MIP-15-20	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-5	MIP-19-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-4	MIP-19-45	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-11	MIP-24-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-10	MIP-24-35	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-9	MIP-24-55	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-8	MIP-25-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-7	MIP-25-35	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-6	MIP-25-45	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-15	MIP-41-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-14	MIP-41-35	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-13	MIP-41-45	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-18	MIP-44-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-17	MIP-44-40	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-16	MIP-44-55	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-3	MIP-46-25	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-2	MIP-46-55	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-1	MIP-46-75	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-20	MIP-50-30	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03
Y2974-19	MIP-50-50	Q2974	Y2974	WA	CHRYSLER	ET03031	6/21/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #Y2974

SAMPLE IDENTIFICATIONS: MIP-46-75 MIP-46-55 MIP-46-25 MIP-19-45(DL) MIP-19-25(DL) MIP-25-45 MIP-25-35 MIP-25-25 MIP-24-55(DL) MIP-24-35(DL) MIP-24-25(DL) MIP-15-20(DL) MIP-41-45 MIP-41-35(DL) MIP-41-25 MIP-44-55(DL) MIP-44-40 MIP-44-25 MIP-50-50 MIP-50-30

The twenty water samples listed above were received intact at 2.3 degrees C, with proper documentation, in sealed shipping containers, on June 21, 2003. All samples were submitted for volatile only analysis, and were prepared and analyzed following SW846 Method 8260B. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # Y2974 are included in the sample data sections.
Analysis holding time requirements were met for all of these samples, and sample pH values were greater than 2.0 for all samples except MIP-46-25.

The volatile target analytes acetone, 1,1-dichloroethane, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,1,1-trichloroethane, benzene, toluene, xylenes, trichloroethene, and tetrachloroethene were the most frequently identified above the reporting limits in the submitted samples.
Based on screen data samples MIP-25-45, MIP-25-35, MIP-25-25, MIP-41-25, and MIP-15-20 were initially analyzed at dilutions, and all met target dilution criteria(except in MIP-15-20), and we have only reported the one diluted analysis. Sample MIP-15-20 did not contain any target analytes in the upper half of the calibration, and also failed one or more SMCs high for recovery and internals low for response. The sample could not be reanalyzed at a lesser dilution to bring target compounds into the upper half of the calibration, as suspended solids in this, and the majority of samples limited the available liquid volume. This sample was reanalyzed with the remaining liquid volume, and again failed SMC, and internal standard response, and we have reported both diluted analyses to confirm matrix interference. The screen Reconstructed Ion Chromatograms(RICs) are included in the sample data package immediately following the RIC for the sample's reportable run. Samples MIP-19-45, MIP-19-25, MIP-24-55, MIP-24-35, MIP-24-25, and MIP-41-45 all contained one or more target analytes in the initial neat run at levels outside of the initial calibration. All samples except MIP-41-45 were reanalyzed at appropriate dilutions, and for these samples we have reported both neat and diluted analyses. Again due to limited sample volume due to sediment, no sample remained for the reanalysis of MIP-41-45 which also failed internals low for response. The initial neat analysis of MIP-44-55 failed internal standards low for response, and the reanalysis confirmed
matrix interference, and we have reorted both runs. The reanlysis of MIP-44-55 was conducted at a dilution again due to limited sample volume.

No instrument blank separated the analyses of concurrently analyzed samples MIP-19-45, MIP-19-25, MIP-24-55, and MIP-24-35; and samples MIP-24-25, MIP-41-45, and MIP-41-35 all with exceeding level analytes, and there is potential for carryover. Due to the fact that we are reporting diluted reanlyses of all of these samples(except as noted above for MIP-41-45) with all target analytes within calibration limits, we are reporting the data with reference to this qualifier.

No Tentatively Identified Compounds (TICs) were searched at the request of the client.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples(except as noted above), and all of the internal standards met response and retention time criteria in the analyses of these samples(except as noted above).

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits with the exception of acetone in VBLKSN, and VBLKTI . Levels of acetone were however less than 2X the reporting limits as allowed for this common laboratory solvent.
No matrix spikes were generated per client request, however the associated Laboratory Control Samples (LCSs) met all accuracy criteria.

Manual Quantitations were performed on some of the process files in the asssociated initial and continuing calibrations, and in samples MIP-44-55DL, MIP-46-75, MIP-19-45, MIP-19-25, MIP-24-55, MIP-24-35, MIP-19-45DL, MIP-25-35, MIP-41-35DL, MIP-24-25DL, MIP-50-30, and MIP-15-20. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
June 27, 2003

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method W8260B 25ml
chrysler

Batch # _____

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
Y2974-1	MIP-46-75	Y2974	7	0500	6-25	73	2537		25ml	1	✓	
Y2974-2	MIP-46-55	Y2974	7	0524						1	✓	
Y2974-3	MIP-46-25	Y2974	1	0553						1	✓	
Y2974-4	MIP-19-45	Y2974	7	0620						1	DI	TCE@ 112
Y2974-5	MIP-19-25	Y2974	7	0646						1	DI	⊥ @ 38.26
Y2974-6	MIP-25-45	Y2974	7	0713						1	IL DI	mud TCE@ 45
Y2974-7	MIP-25-35	Y2974	7	0739						1	IL/SH DI	mud TCE@ 87
Y2974-8	MIP-25-25	Y2974	7	0806						1	IL/SH DI	mud TCE@ 184
Y2974-9	MIP-24-55	Y2974	7	0833						1	DI	cis12@ 36.6, III TCA@ 25.1, TCE@ 103.1, TETRA@ 45.1
Y2974-10	MIP-24-35	Y2974	7	0859						1	DI	cis12@ 58.7, III TCA@ 33.5, TCE@ 136.1 TETRA@ 110.4
Y2974-11	MIP-24-25	Y2974	7	0924	6-25	73	2537		25ml	1	CS	(cis12)(III TCA)(TCE)(TETRA)
Y2974-12	MIP-15-20	Y2974	7	2019	6-25	73	2537		25ml	1,2	IL/SH/DI	TCE@ 269
Y2974-13	MIP-41-45	Y2974	7	2046						1,2,3	IL/SH/SL/DI	TCE@ 127.8, TETRA@ 138.7 Last of sample
Y2974-14	MIP-41-35	Y2974	7	2113						3	DI	TCE@ 136.1, TETRA@ 45.9 ~~Last of sample~~
Y2974-15	MIP-41-25	Y2974	7	2139						1	CS/DI	TCE@ 117.6 (TETRA)
Y2974-16	MIP-44-55	Y2974	7	2206						1,2	CS	(TCE) (TETRA)
Y2974-17	MIP-44-40	Y2974	7	2233						1	CS	⊥ ⊥
Y2974-18	MIP-44-25	Y2974	7	2259						1	CS	
Y2974-19	MIP-50-50	Y2974	7	2326						1	CS	TCE
Y2974-20	MIP-50-30	Y2974	7	2352						1	CS	⊥
WG25090-1	VBLKSN		–		6-26	73	2537		25ml	–		
WG25090-2	VBLKSO											
WG25090-3	VBLKSP											
WG25090-4	VSNLCS		–		6-26	73	2537		25ml	–		
WG25090-5	VSOLCS											
WG25090-6	VSPLCS											
-4D			7	1713	6-25	73	2537		3.5ml	2	CS	TCE
-5D			7	1740					11ml	2	CS	TCE
-6D			7	1806					8ml	2	CS	
-7D			7	1833					4.5ml	2,3	CS DW	
-8D			7	1900					2.0ml	2	CS DW	
-9D			7	1926					3ml	2	CS	
-10D			7	1953					3ml	2	CS	
-11D			7	1953					25ml	2	DI	TCE@ 68 TETRA@ 43.7
40D			7	1143	6-26	73	2537		3.5ml	3	✓	
50D			7	1211					11 ml	3	✓	
-60D			7	1238	–				8 ml	3	DW	TCE@ 5

HT 1-3 7/1/03
4-15 7/2/03
16-20 7/3/03

DVC 6/27/03

(Continued on Next Page)

TCL3ct + MTBE Sub

2nd Source LCS

6/27/01 rmh

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method

Batch # _____

4

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
Y2974-7D2			7	1305	6 26	73	2531		10ml	3	✓	
-8D2			7	1331					10ml	3	✓	
-9D2			7	1358					3ml	3	✓	
-10D2			7	1424					3ml	3	✓	
-12D			7	1917					13ml	3	SLSH	
~~-13D~~			7						3ml			No volume left
-14D			7	1544					3ml	3	✓	
-15D			7	1611					3ml	2	✓	
-16R			7	1651					25ml	2,3	✓	
-17R			7	1704						2	✓	
-18R			7	1731						2	✓	
-19R			7	1758						2	✓	
-20R			7	1824						2	✓	
-11D			7	1451					6ml	3	DW	TIC@ 7 76
-6D3			7	~~1658~~ 1518					18ml	3	✓	
-11D2			7	1638	6 26	73	2531		12ml	3	✓	
160D			7	0036			2513		11ml ~~[illegible]~~	3	ILSM ES	Lost of Samples
120D			7	0009					5ml ~~[illegible]~~	3	ILSH ES	

PL 6.27.01

COMPUCHEM

Work Group Report (wk02)

24-JUN-03 08:41 AM

Work Group: WG25090
Department: 435 MS/VOA ANALYSIS **Created:** 24-JUN-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
WG25090-1	VBLKSN	VOA-8260B-25ML	Water	24-JUN-03		
WG25090-2	VBLKSO	VOA-8260B-25ML	Water	24-JUN-03		
WG25090-3	VBLKSP	VOA-8260B-25ML	Water	24-JUN-03		
WG25090-4	VSNLCS	VOA-8260B-25ML	Water	24-JUN-03		
WG25090-5	VSOLCS	VOA-8260B-25ML	Water	24-JUN-03		
WG25090-6	VSPLCS	VOA-8260B-25ML	Water	24-JUN-03		
Y2974-1	MIP-46-75	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-10	MIP-24-35	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-11	MIP-24-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-12	MIP-15-20	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-13	MIP-41-45	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-14	MIP-41-35	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-15	MIP-41-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-16	MIP-44-55	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-17	MIP-44-40	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-18	MIP-44-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-19	MIP-50-50	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-2	MIP-46-55	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-20	MIP-50-30	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-3	MIP-46-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-4	MIP-19-45	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-5	MIP-19-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-6	MIP-25-45	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-7	MIP-25-35	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-8	MIP-25-25	VOA-8260B-25ML	Water	21-JUN-03		
Y2974-9	MIP-24-55	VOA-8260B-25ML	Water	21-JUN-03		

Comments

Y2974-1	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-10	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-11	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-12	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-13	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Y2974-14	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-15	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-16	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-17	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-18	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-19	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-2	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-20	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-3	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-4	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-5	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Y2974-6	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY

COMPUCHEM

Work Group Report (wk02)

24-JUN-03 08 41 AM

Work Group: WG25090

Department: 435 MS/VOA ANALYSIS **Created:** 24-JUN-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
Y2974-7	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY					
Y2974-8	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY					
Y2974-9	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY					

Internal Chain of Custody

Relinquished By	[illegible]	Date 6-24	Received By	[illegible]	Date [illegible]	Reason	[illegible]
Relinquished By	[illegible]	Date 6-24	Received By	[illegible]	Date [illegible]	Reason	[illegible]
Relinquished By	[illegible]	Date 6-25	Received By	[illegible]	Date 1500	Reason	[illegible]
Relinquished By	[illegible]	Date [illegible]	Received By	[illegible]	Date 1500	Reason	[illegible]
Relinquished By	[illegible]	Date 6-26-03	Received By	[illegible]	Date 1200	Reason	[illegible]
Relinquished By	[illegible]	Date [illegible]	Received By	[illegible]	Date 1230	Reason	[illegible]
Relinquished By		Date	Received By		Date	Reason	
Relinquished By		Date	Received By		Date	Reason	

[illegible] 6-27-03

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC data packages.

Robert E. Meierer

Robert E. Meierer
Vice President

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler Earth Tech	Rec'd Date: 6/21/03	PPS/RFA ETD3031	
Project: Dayton Thermal	Courier: Fed Ex	Lab Instructions	
Quote: Q2974	Airbill No. 8405 4919 1350	VOC 8260B 25ml TCL3 CT + MTBE, sub	
Login No. X2974			
Subcontract? Y / (N)			
TAT Verbal Report 6 days			

Cooler Rec'd By:	E. Gabriller
Sample Login By:	[illegible]
Temperature:	2.3 °C
Cyanide Samples checked for sulfide & chlorine?	Y / (NA)
Phenol Samples checked for chlorine?	Y / (NA)
Received in Good Condition?	(Y) / N
If no, explain:	

Parameters: VOC

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
X2974-1	MP-26-58		WA	06/17	17:40	3 150ml															
-2	35			/	18:10																
-3	25			/	18:40																
-4	31-60			/18	10:15																
-5	40			/	10:40																
-6	20			/	11:00																
-7	18-65			/	12:30																
-8	40			/	13:15																
-9	25			/	14:00																
-10	64-40			/	15:50																
-11	35-25			/18	12:15																
-12	43-70			/	13:45																
-13	35			/	14:20																
-14	25			/	14:50																
-15	11-70			/	17:45																
-16	50			/	18:00																
-17	20			/	18:15																
-18	48-56			/17	15:35																
-19	36			/	16:05																
-20	31			/	16:25																

Container Type Abbreviations 40ml.(40ml. vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Earth Tech	Rec'd Date: 6/21/03	PPS/RFA ET03031	
Project: Dayton Thermal	Courier: Fed Ex	Lab Instructions	
Quote: Q2974	Airbill No. 8405 4919 1350		
Login No. Y2974			
Subcontract? Y / N			
TAT Verbal Report 6 day			

Cooler Rec'd By:	
Sample Login By:	
Temperature: 2.3 °C	
Cyanide Samples checked for sulfide & chlorine? Y / NA	
Phenol Samples checked for chlorine? Y / NA	
Received in Good Condition? Y / N	
If no, explain:	

Parameters

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	VOC No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH
Y2974-1	MIP-46-75		WA	06/17	18:10	3 40ml															
-2	55			/	18:35																
-3	25			/	18:55																
-4	19-45			/ 18	09:25																
-5	35			/	09:45																
-6	25-45			/	10:35																
-7	35			/	11:05																
-8	25			/	11:20																
-9	24-55			/	12:15																
-10	35			/	12:30																
-11	25			/	12:45																
-12	15-20			/	15:40																
-13	41-45			/	17:25																
-14	35			/	17:40																
-15	25			/	17:55																
-16	44-55			/ 19	09:40																
-17	40			/	10:00																
-18	25			/	10:55																
-19	50-50			/	11:55																
-20	30			/	12:00																

Container Type Abbreviations 40mL(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Earth Tech	Rec'd Date: 6/21/03	PPS/RFA E10303I	
Project: Dayton Hernal	Courier: Fed Ex	Lab Instructions	
Quote: Q2974	Airbill No. 8405 4919 1350		
Login No. Z2974			
Subcontract? Y / N			
TAT Verbal Report 6 day			

Cooler Rec'd By: B. Schiller	
Sample Login By:	
Temperature: 2.3 °C	
Cyanide Samples checked for sulfide & chlorine? Y / NA	
Phenol Samples checked for chlorine? Y / NA	
Received in Good Condition? Y / N	
If no, explain:	

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	Parameters: VOC No. & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH
Z2974-1	MP-64-30		WA	06/18	16:10	3.40ml															
-2	25			/	16:20																
-3	65-65			/	18:25																
-4	55			/	18:40																
-5	25			/	18:55																
-6	39-70			/ 19	09:50																
-7	60			/	10:10																
-8	20			/	10:25																
-9	35-60			/	11:50																
-10	40			/	12:00																
-11	50-20			/	12:30	2.40ml															
-12	53 25			/	13:55	3.40ml															
-13	67-50			/	15:45																
-14	40			/	16:05																
-15	25			/	16:15																
-16	51-50			/	18:00																
-17	40			/	18:25																
-18	25			/	18:40																
-19	EB-062003			/ 20	10:00																
-20	TRIP BLANK			6/17	—	1.40ml															

Container Type Abbreviations. 40ml.(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

DAIMLERCHRYSLER

Chain-of-Custody

№ 00570 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number. (919) 379-4100 Fax Number. (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone 920-451-2407 Fax: 920-458-0553	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-26-58	6/17/03	1740	G	GW	3	X								> pea-size air bubble all 3-40ml vials @ 6/18/03
MIP-26-35	6/17/03	1810	↓	↓	3	X								
MIP-26-25	6/17/03	1840	↓	↓	3	X								
MIP-31-60	6/18/03	1015	↓	↓	3	X								> pea-size air bubble all 3-40ml vials @ 6/21/03
MIP-31-40	6/18/03	1040	↓	↓	3	X								
MIP-31-20	6/18/03	1100	↓	↓	3	X								> pea-size air bubble in 2-40ml vials @ 6/21/03
MIP-18-65	6/18/03	1230	↓	↓	3	X								> pea-size air bubble in all 3-40ml vials @ 6/21/03
MIP-18-40	6/18/03	1315	↓	↓	3	X								
MIP-18-25	6/18/03	1400	↓	↓	3	X								
MIP-64-40	6/18/03	1550	↓	↓	3	X								

Sampler(s): DD HH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3°C
	Relinquished by: P. Decenzo	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schuller	Date: 6/20/03	Time: 400	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00561 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech LLC Address: 4135 Technology Pkwy Sheboygan WI 53083 Consultant PM: Rob Stenson Phone 920-451-2407 Fax: 920-458-0550	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-35-25	6/19/03	1215	G	GW	3	X								
MIP-43-70	6/19/03	1345	↓	↓	3	X								> pea-size air bubble in 2 of 40 ml vials 6/21/03
MIP-43-35	6/19/03	1420			3	X								
MIP-43-25	6/19/03	1450			3	X								
MIP-11-70	6/19/03	1745			3	X								> pea-size air bubble in all 40 ml vials 6/21/03
MIP-11-50	6/19/03	1800			3	X								↓
MIP-11-20	6/19/03	1815			3	X								
MIP-48-56	6/17/03	1535			3	X								> pea-size air bubble in all 3 of 40 ml vials 6/21/03
MIP-48-36	6/17/03	1605			3	X								
MIP-48-31	6/17/03	1625	↓	↓	3	X								↓

Sampler(s): DD NH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3°C
	Relinquished by: D. Dennler	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schiller	Date: 6/23/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution. White copy Data package Yellow : Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00562 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-46-75	6/17/03	1810	G	GW	3	X									
MIP-46-55	6/17/03	1835	↓	↓	↓	X									>pea-size air bubble in all 3.40ml vials 6/21/03
MIP-46-25	6/17/03	1855				X									
MIP-19-45	6/18/03	0925				X									>pea-size air bubble in all 3.40ml vials 6/21/03
MIP-19-25	6/18/03	0945				X									
MIP-25-45	6/18/03	1035				X									>pea-size air bubble in all 3.40ml vials 6/21/03
MIP-25-35	6/18/03	1105				X									
MIP-25-25	6/18/03	1120				X									
MIP-24-55	6/18/03	1215				X									
MIP-24-35	6/18/03	1230	↓	↓	↓	X									

Sampler(s): DD LH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3 °C
	Relinquished by: D. Deemer	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: G. Schuller	Date: 6/24/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package Yellow. Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00563 A

CompuChem	Project Name: Dayton Thermal	Consultant: Earth Tech	
501 Madison Avenue	Site Location: Dayton, OH	Address: 4135 Technology Pkwy	
Cary, NC 27513	Site Code:	Sheboygan, WI. 53083	
Phone Number: (919) 379-4100	RFA Number: ET 03031	Consultant PM: Rob Stanson	
Fax Number: (919) 379-4040	DaimlerChrysler PM: Gary Stanczuk	Phone: 920-457-2407	Fax: 920-458-0550

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-24-25	6/18/03	1245	G	GW	3	X								
MIP-15-20	6/18/03	1540			3	X								> pea-size air bubble in all 3 40ml vials @ 6/21/03
MIP-41-45	6/18/03	1725			3	X								
MIP-41-35	6/18/03	1740			3	X								
MIP-41-25	6/18/03	1755			3	X								
MIP-44-55	6/19/03	0940			3	X								
MIP-44-40	6/19/03	1000			3	X								
MIP-44-25	6/19/03	1055			3	X								
MIP-50-50	6/19/03	1155			3	X								> pea-size air bubble in all 3 40 ml vials @ 6/21/03
MIP-50-30	6/19/03	1200			3	X								> pea-size air bubble in 1 40 ml vial @ 6/21/03

Sampler(s): DD LH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3 C
	Relinquished by: D. Decenler	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schuller	Date: 6/21/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00569 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ~~[illegible]~~ ET 03081 DaimlerChrysler PM: Gary Stanczuk	Consultant: EarthTech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or: Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-64-30	6/18/03	1610	G	GW	3	X									
MIP-64-25	6/18/03	1620	↓	↓	3	X									
MIP-65-65	6/18/03	1825	↓	↓	3	X									Pea-size air bubble in all 3 40ml vials @ 4/21/03
MIP-65-55	6/18/03	1840	↓	↓	3	X									↓
MIP-65-25	6/18/03	1855	↓	↓	3	X									↓
MIP-39-70	6/19/03	0950	↓	↓	3	X									↓
MIP-39-60	6/19/03	1010	↓	↓	3	X									↓
MIP-39-20	6/19/03	1025	↓	↓	3	X									↓
MIP-35-60	6/19/03	1150	↓	↓	3	X									Pea-size air bubble in 1 of 40ml vial @ 4/21/03
MIP-35-40	6/19/03	1200	↓	↓	3	X									↓

Sampler(s): DD NA	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3 °C
	Relinquished by: D. Deremer	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schiller	Date: 6/21/03	Time: 1100	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00564 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM Rob Stenson Phone 920-457-2407 Fax: 920-458-0550	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Compound List-Parameter/Method/Bottle Type/Preservative: VOCs									Remarks
MIP-50-20	6/19/03	1230	G	GW	2	x									
MIP-53-25	6/19/03	1355			3	x									> passing air bubbles in all E. coli wells @ 6/21/03
MIP-67-50	6/19/03	1545			3	x									
MIP-67-40	6/19/03	1605			3	x									Samples labeled MIP-67-50 @ 1605 7 pending @ 6/21/03
MIP-67-25	6/19/03	1625			3	x									unavailable
MIP-51-50	6/19/03	1800			3	x									
MIP-51-40	6/19/03	1825			3	x									
MIP-51-25	6/19/03	1840			3	x									
EB-062003	6/20/03	1000			3	x									
Trip & Temp. Blank					2	x									

Sampler(s) DD 2H	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 23°C
	Relinquished by: D. December	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Shiller	Date: 6/21/03	Time: 1100	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution. White copy: Data package Yellow Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:20 PM*

Login Number: X2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-1	MIP-26-58	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-2	MIP-26-35	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-3	MIP-26-25	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-4	MIP-31-60	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-5	MIP-31-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-6	MIP-31-20	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-7	MIP-18-65	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-8	MIP-18-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	

20

Signature : Cathy Dore

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:20 PM*

Login Number: X2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-9	MIP-18-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-10	MIP-64-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-11	MIP-35-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-12	MIP-43-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-13	MIP-43-35	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-14	MIP-43-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-15	MIP-11-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-16	MIP-11-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

21

Signature : Cally Dove

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02.20 PM*

Login Number: X2974

Account: CHRYSLER — Chrysler

Project: ET03031 — Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-17	MIP-11-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-18	MIP-48-56	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-19	MIP-48-36	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-20	MIP-48-31	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	

Signature : Sally Dore 22

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-1	MIP-46-75	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
Y2974-2	MIP-46-55	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold 01-JUL-03	40ml vial	3	Bottles	
Y2974-3	MIP-46-25	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
Y2974-4	MIP-19-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-5	MIP-19-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-6	MIP-25-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-7	MIP-25-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold. 02-JUL-03	40ml vial	3	Bottles	
Y2974-8	MIP-25-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	

Signature : Cathy L. Doig 23

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-9	MIP-24-55	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-10	MIP-24-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-11	MIP-24-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-12	MIP-15-20	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-13	MIP-41-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-14	MIP-41-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-15	MIP-41-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-16	MIP-44-55	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : 24

Date : 6/24/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-17	MIP-44-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Y2974-18	MIP-44-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Y2974-19	MIP-50-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Y2974-20	MIP-50-30	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : Cary Dove 25

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:33 PM*

Login Number: Z2974

Account: CHRYSLER — Chrysler

Project: ET03031 — Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-1	MIP-64-30	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-2	MIP-64-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-3	MIP-65-65	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-4	MIP-65-55	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-5	MIP-65-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-6	MIP-39-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-7	MIP-39-60	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-8	MIP-39-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : 26

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02.33 PM*

Login Number: Z2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-9	MIP-35-60	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-10	MIP-35-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-11	MIP-50-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	2	Bottles	
Z2974-12	MIP-53-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-13	MIP-67-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-14	MIP-67-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-15	MIP-67-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-16	MIP-51-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : 27

Date : 6/26/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:33 PM*

Login Number: Z2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-17	MIP-51-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-18	MIP-51-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-19	EB-062003	20-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 04-JUL-03	40ml vial	3	Bottles	
Z2974-20	TRIP BLANK	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	1	Bottles	

28

Signature : Cally Dore

Date : 6/21/03

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-15-20

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-12DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.9

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	5	25	B
75-09-2	Methylene Chloride	1	0.9	JB
156-60-5	trans-1,2-Dichloroethene	1		U
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	0.6	J
156-59-2	cis-1,2-Dichloroethene	1	0.1	J
78-93-3	2-butanone	5		U
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	1	
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	19	
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	5		U
108-88-3	Toluene	1	4	B
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.5	J
591-78-6	2-hexanone	5		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.6	J
108-38-3	m,p-Xylene	2	0.9	J
95-47-6	o-Xylene	1	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-15-20

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-12DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.9

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.07	JB
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	1	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-15-20DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-12D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	3		U
75-01-4	Vinyl Chloride	3		U
74-83-9	Bromomethane	3		U
75-00-3	Chloroethane	3		U
75-35-4	1,1-Dichloroethene	3		U
75-15-0	Carbon disulfide	3		U
67-64-1	Acetone	13	35	DB
75-09-2	Methylene Chloride	3	1	DJB
156-60-5	trans-1,2-Dichloroethene	3		U
1634-04-4	Methyl-tert-butyl ether	3		U
75-34-3	1,1-Dichloroethane	3		U
156-59-2	cis-1,2-Dichloroethene	3		U
78-93-3	2-butanone	13		U
67-66-3	Chloroform	3		U
71-55-6	1,1,1-Trichloroethane	3		U
56-23-5	Carbon Tetrachloride	3		U
71-43-2	Benzene	3	0.8	DJ
107-06-2	1,2-Dichloroethane	3		U
79-01-6	Trichloroethene	3	11	D
78-87-5	1,2-Dichloropropane	3		U
75-27-4	Bromodichloromethane	3		U
10061-01-5	cis-1,3-Dichloropropene	3		U
108-10-1	4-Methyl-2-pentanone	13		U
108-88-3	Toluene	3	2	DJ
10061-02-6	trans-1,3-Dichloropropene	3		U
79-00-5	1,1,2-Trichloroethane	3		U
127-18-4	Tetrachloroethene	3	0.2	DJ
591-78-6	2-hexanone	13		U
124-48-1	Dibromochloromethane	3		U
108-90-7	Chlorobenzene	3		U
100-41-4	Ethylbenzene	3	0.5	DJ
108-38-3	m,p-Xylene	5	0.8	DJ
95-47-6	o-Xylene	3	0.4	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-15-20DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-12D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 5.0

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	3		U
75-25-2	Bromoform	3		U
79-34-5	1,1,2,2-Tetrachloroethane	3		U
1330-20-7	Xylene (total)	3	1	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-5B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.2	J
67-64-1	Acetone	3	11	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.6	
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	7	
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	0.2	J
71-55-6	1,1,1-Trichloroethane	0.5	0.1	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	38	E
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	0.7	B
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	0.3	J
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	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.07	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-5B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.1	J
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	0.3	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-25DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-5D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1	0.2	DJ
67-64-1	Acetone	6	16	DB
75-09-2	Methylene Chloride	1	0.9	DJB
156-60-5	trans-1,2-Dichloroethene	1	0.6	DJ
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1		U
156-59-2	cis-1,2-Dichloroethene	1	7	D
78-93-3	2-butanone	6		U
67-66-3	Chloroform	1	0.3	DJ
71-55-6	1,1,1-Trichloroethane	1	0.2	DJ
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	0.2	DJ
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	39	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	6		U
108-88-3	Toluene	1	0.9	DJB
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.3	DJ
591-78-6	2-hexanone	6		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.1	DJ
108-38-3	m,p-Xylene	2	0.2	DJ
95-47-6	o-Xylene	1	0.1	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-25DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-5D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.2	DJB
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	0.3	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-4B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.5	
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	0.4	J
75-15-0	Carbon disulfide	0.5	0.3	J
67-64-1	Acetone	3	9	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	8	
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.2	J
156-59-2	cis-1,2-Dichloroethene	0.5	78	E
78-93-3	2-butanone	3	5	
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	0.4	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	110	E
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	0.8	B
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	0.04	J
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	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-4B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.08	J
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	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-45DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-4D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 7.1

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4	0.8	DJ
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4		U
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	18	28	DB
75-09-2	Methylene Chloride	4	2	DJB
156-60-5	trans-1,2-Dichloroethene	4	7	D
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4		U
156-59-2	cis-1,2-Dichloroethene	4	65	D
78-93-3	2-butanone	18		U
67-66-3	Chloroform	4		U
71-55-6	1,1,1-Trichloroethane	4		U
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	0.6	DJ
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	110	D
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	18		U
108-88-3	Toluene	4	2	DJB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4		U
591-78-6	2-hexanone	18		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	0.3	DJ
108-38-3	m,p-Xylene	7	0.6	DJ
95-47-6	o-Xylene	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-19-45DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-4D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 7.1

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4	0.5	DJB
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4	0.6	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-11RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.5	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	11	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.2	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	18	
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5	1	
71-55-6	1,1,1-Trichloroethane	0.5	9	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.6	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	58	E
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	1	B
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	64	E
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	0.3	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-11RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.1	J
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	0.6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-25DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-11D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.1

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	5	12	DB
75-09-2	Methylene Chloride	1	1	DB
156-60-5	trans-1,2-Dichloroethene	1	0.1	DJ
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	4	D
156-59-2	cis-1,2-Dichloroethene	1	14	D
78-93-3	2-butanone	5		U
67-66-3	Chloroform	1	1	DJ
71-55-6	1,1,1-Trichloroethane	1	4	D
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	0.4	DJ
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	32	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	5		U
108-88-3	Toluene	1	1	DJB
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	24	D
591-78-6	2-hexanone	5		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.2	DJ
108-38-3	m,p-Xylene	2	0.4	DJ
95-47-6	o-Xylene	1	0.1	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-25DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-11D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.1

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.3	DJB
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	0.5	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-10B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.08	J
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-35-4	1,1-Dichloroethene	0.5	2	
75-15-0	Carbon disulfide	0.5	0.08	J
67-64-1	Acetone	3	6	B
75-09-2	Methylene Chloride	0.5	0.2	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.8	
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	15	
156-59-2	cis-1,2-Dichloroethene	0.5	59	E
78-93-3	2-butanone	3	9	
67-66-3	Chloroform	0.5	3	
71-55-6	1,1,1-Trichloroethane	0.5	36	E
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.4	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	140	E
78-87-5	1,2-Dichloropropane	0.5		U
75-27-4	Bromodichloromethane	0.5	0.05	J
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	1	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.2	J
127-18-4	Tetrachloroethene	0.5	110	E
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	0.3	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-10B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.2	J
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	0.6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-35DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-10D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4	2	DJ
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	30	DB
75-09-2	Methylene Chloride	4	3	DJB
156-60-5	trans-1,2-Dichloroethene	4	0.9	DJ
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4	17	D
156-59-2	cis-1,2-Dichloroethene	4	60	D
78-93-3	2-butanone	21		U
67-66-3	Chloroform	4	4	DJ
71-55-6	1,1,1-Trichloroethane	4	43	D
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	0.4	DJ
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	170	D
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	3	DJB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	150	D
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	0.3	DJ
108-38-3	m,p-Xylene	8		U
95-47-6	o-Xylene	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-35DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-10D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4	0.7	DJB
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-55

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-9B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	1	
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	9	B
75-09-2	Methylene Chloride	0.5	0.3	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.8	
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	12	
156-59-2	cis-1,2-Dichloroethene	0.5	39	E
78-93-3	2-butanone	3	10	
67-66-3	Chloroform	0.5	2	
71-55-6	1,1,1-Trichloroethane	0.5	25	E
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.5	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	120	E
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	2	B
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5	0.09	J
127-18-4	Tetrachloroethene	0.5	85	E
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.02	J
100-41-4	Ethylbenzene	0.5	0.4	J
108-38-3	m,p-Xylene	1	0.6	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-55

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-9B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.2	J
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	0.8	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-55DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-9D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4	2	DJ
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	32	DB
75-09-2	Methylene Chloride	4	3	DJB
156-60-5	trans-1,2-Dichloroethene	4	0.9	DJ
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4	13	D
156-59-2	cis-1,2-Dichloroethene	4	34	D
78-93-3	2-butanone	21		U
67-66-3	Chloroform	4	2	DJ
71-55-6	1,1,1-Trichloroethane	4	30	D
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	0.5	DJ
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	140	D
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	3	DJB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	120	D
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	0.4	DJ
108-38-3	m,p-Xylene	8	0.6	DJ
95-47-6	o-Xylene	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-24-55DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-9D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4	0.6	DJB
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4	0.6	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-8D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	6	16	B
75-09-2	Methylene Chloride	1	1	B
156-60-5	trans-1,2-Dichloroethene	1	0.2	J
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	1	
156-59-2	cis-1,2-Dichloroethene	1	4	
78-93-3	2-butanone	6		U
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1	2	
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	1	
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	55	
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	6		U
108-88-3	Toluene	1	2	B
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.2	J
591-78-6	2-hexanone	6		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.2	J
108-38-3	m,p-Xylene	3	0.3	J
95-47-6	o-Xylene	1	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-8D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.1	JB
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	0.5	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-7D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	6	26	B
75-09-2	Methylene Chloride	1	1	B
156-60-5	trans-1,2-Dichloroethene	1	0.09	J
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1	1	
156-59-2	cis-1,2-Dichloroethene	1	3	
78-93-3	2-butanone	6	7	
67-66-3	Chloroform	1		U
71-55-6	1,1,1-Trichloroethane	1	0.9	J
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	1	
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	42	
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	6		U
108-88-3	Toluene	1	2	B
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	0.2	J
591-78-6	2-hexanone	6		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.4	J
108-38-3	m,p-Xylene	3	0.5	J
95-47-6	o-Xylene	1	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-7D2A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	1	0.2	JB
75-25-2	Bromoform	1		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
1330-20-7	Xylene (total)	1	0.7	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-6D3A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.4

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.7		U
75-01-4	Vinyl Chloride	0.7		U
74-83-9	Bromomethane	0.7		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.7		U
75-15-0	Carbon disulfide	0.7		U
67-64-1	Acetone	3	21	B
75-09-2	Methylene Chloride	0.7	0.6	JB
156-60-5	trans-1,2-Dichloroethene	0.7		U
1634-04-4	Methyl-tert-butyl ether	0.7		U
75-34-3	1,1-Dichloroethane	0.7	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.7	1	
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.7		U
71-55-6	1,1,1-Trichloroethane	0.7	0.3	J
56-23-5	Carbon Tetrachloride	0.7		U
71-43-2	Benzene	0.7	0.8	
107-06-2	1,2-Dichloroethane	0.7		U
79-01-6	Trichloroethene	0.7	23	
78-87-5	1,2-Dichloropropane	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	3		U
108-88-3	Toluene	0.7	2	B
10061-02-6	trans-1,3-Dichloropropene	0.7		U
79-00-5	1,1,2-Trichloroethane	0.7		U
127-18-4	Tetrachloroethene	0.7	0.2	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.7		U
108-90-7	Chlorobenzene	0.7		U
100-41-4	Ethylbenzene	0.7	0.3	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.7	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-25-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-6D3A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.4

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.7	0.1	JB
75-25-2	Bromoform	0.7		U
79-34-5	1,1,2,2-Tetrachloroethane	0.7		U
1330-20-7	Xylene (total)	0.7	0.6	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-15DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4	1	J
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4		U
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	41	B
75-09-2	Methylene Chloride	4	2	JB
156-60-5	trans-1,2-Dichloroethene	4		U
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4		U
156-59-2	cis-1,2-Dichloroethene	4	2	J
78-93-3	2-butanone	21		U
67-66-3	Chloroform	4	2	J
71-55-6	1,1,1-Trichloroethane	4	1	J
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	2	J
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	200	
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	6	B
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	19	
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	0.6	J
108-38-3	m,p-Xylene	8	0.7	J
95-47-6	o-Xylene	4		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-25

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-15

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-15DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4	0.5	JB
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4	0.7	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-14A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.4	J
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	0.2	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	15	B
75-09-2	Methylene Chloride	0.5	0.3	JB
156-60-5	trans-1,2-Dichloroethene	0.5	0.05	J
1634-04-4	Methyl-tert-butyl ether	0.5		U
75-34-3	1,1-Dichloroethane	0.5	0.4	J
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	12	
67-66-3	Chloroform	0.5	1	
71-55-6	1,1,1-Trichloroethane	0.5	1	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	3	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	140	E
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	5	B
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	30	E
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	1	
108-38-3	m,p-Xylene	1	1	
95-47-6	o-Xylene	0.5	0.5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-35

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-14A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.06	J
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	2	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-35DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-14DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	4		U
75-01-4	Vinyl Chloride	4		U
74-83-9	Bromomethane	4		U
75-00-3	Chloroethane	4		U
75-35-4	1,1-Dichloroethene	4		U
75-15-0	Carbon disulfide	4		U
67-64-1	Acetone	21	48	DB
75-09-2	Methylene Chloride	4	1	DJB
156-60-5	trans-1,2-Dichloroethene	4		U
1634-04-4	Methyl-tert-butyl ether	4		U
75-34-3	1,1-Dichloroethane	4		U
156-59-2	cis-1,2-Dichloroethene	4	2	DJ
78-93-3	2-butanone	21	12	DJ
67-66-3	Chloroform	4	2	DJ
71-55-6	1,1,1-Trichloroethane	4	1	DJ
56-23-5	Carbon Tetrachloride	4		U
71-43-2	Benzene	4	3	DJ
107-06-2	1,2-Dichloroethane	4		U
79-01-6	Trichloroethene	4	200	D
78-87-5	1,2-Dichloropropane	4		U
75-27-4	Bromodichloromethane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
108-10-1	4-Methyl-2-pentanone	21		U
108-88-3	Toluene	4	5	DB
10061-02-6	trans-1,3-Dichloropropene	4		U
79-00-5	1,1,2-Trichloroethane	4		U
127-18-4	Tetrachloroethene	4	36	D
591-78-6	2-hexanone	21		U
124-48-1	Dibromochloromethane	4		U
108-90-7	Chlorobenzene	4		U
100-41-4	Ethylbenzene	4	1	DJ
108-38-3	m,p-Xylene	8	2	DJ
95-47-6	o-Xylene	4	0.6	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-35DL

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-14

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-14DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 8.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	4		U
75-25-2	Bromoform	4		U
79-34-5	1,1,2,2-Tetrachloroethane	4		U
1330-20-7	Xylene (total)	4	3	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-13A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.3	J
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	0.4	J
75-15-0	Carbon disulfide	0.5		U
67-64-1	Acetone	3	82	B
75-09-2	Methylene Chloride	0.5	1	B
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	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	2	
78-93-3	2-butanone	3	52	
67-66-3	Chloroform	0.5	0.4	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	130	E
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	18	B
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	140	E
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	6	
108-38-3	m,p-Xylene	1	7	
95-47-6	o-Xylene	0.5	3	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-41-45

Project: ET03031 Date Sampled: 06/18/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-13

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-13A73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.7	
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	11	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-18RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	4	B
75-09-2	Methylene Chloride	0.5	0.5	B
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	0.1	J
78-93-3	2-butanone	3	6	
67-66-3	Chloroform	0.5	12	
71-55-6	1,1,1-Trichloroethane	0.5	0.3	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.4	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	9	
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	1	B
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	15	
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	0.2	J
108-38-3	m,p-Xylene	1	0.3	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-18RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.09	JB
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	0.5	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-17RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.1	J
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	15	B
75-09-2	Methylene Chloride	0.5	0.9	B
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	0.3	J
78-93-3	2-butanone	3	7	
67-66-3	Chloroform	0.5	8	
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	2	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	16	
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	2	B
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	10	
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	0.3	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-17RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.1	JB
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	0.6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-55

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-16DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.2	J
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	0.1	J
67-64-1	Acetone	3	26	B
75-09-2	Methylene Chloride	0.5	1	B
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	0.2	J
78-93-3	2-butanone	3	12	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	0.07	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	2	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	12	
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	3	B
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	12	
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	0.6	
108-38-3	m,p-Xylene	1	0.8	J
95-47-6	o-Xylene	0.5	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-55

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-16DA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.06	JB
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	1	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-55DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-16D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.3

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	1		U
75-00-3	Chloroethane	1		U
75-35-4	1,1-Dichloroethene	1		U
75-15-0	Carbon disulfide	1		U
67-64-1	Acetone	6	23	DB
75-09-2	Methylene Chloride	1	1	DB
156-60-5	trans-1,2-Dichloroethene	1		U
1634-04-4	Methyl-tert-butyl ether	1		U
75-34-3	1,1-Dichloroethane	1		U
156-59-2	cis-1,2-Dichloroethene	1	0.2	DJ
78-93-3	2-butanone	6	7	D
67-66-3	Chloroform	1	4	D
71-55-6	1,1,1-Trichloroethane	1		U
56-23-5	Carbon Tetrachloride	1		U
71-43-2	Benzene	1	1	D
107-06-2	1,2-Dichloroethane	1		U
79-01-6	Trichloroethene	1	10	D
78-87-5	1,2-Dichloropropane	1		U
75-27-4	Bromodichloromethane	1		U
10061-01-5	cis-1,3-Dichloropropene	1		U
108-10-1	4-Methyl-2-pentanone	6		U
108-88-3	Toluene	1	3	D
10061-02-6	trans-1,3-Dichloropropene	1		U
79-00-5	1,1,2-Trichloroethane	1		U
127-18-4	Tetrachloroethene	1	16	D
591-78-6	2-hexanone	6		U
124-48-1	Dibromochloromethane	1		U
108-90-7	Chlorobenzene	1		U
100-41-4	Ethylbenzene	1	0.7	DJ
108-38-3	m,p-Xylene	2	1	DJ
95-47-6	o-Xylene	1	0.5	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-44-55DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-16D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 2.3

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

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

1ACC

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-25

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-3B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	2	JB
75-09-2	Methylene Chloride	0.5	0.2	JB
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	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	0.2	J
78-93-3	2-butanone	3	6	
67-66-3	Chloroform	0.5	0.4	J
71-55-6	1,1,1-Trichloroethane	0.5	0.7	
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.5	J
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	0.7	B
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	0.3	J
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	0.09	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.05	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-25

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-3

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-3B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.06	J
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	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-55

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.1	J
67-64-1	Acetone	3	9	B
75-09-2	Methylene Chloride	0.5	0.1	JB
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	0.7	
78-93-3	2-butanone	3	6	
67-66-3	Chloroform	0.5	0.09	J
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	1	
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	1	B
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	0.7	
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	0.2	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.1	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-55

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.2	J
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	0.5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-75

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-1B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.1	J
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	0.2	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5	0.2	JB
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	0.08	J
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.4	J
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	0.6	B
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	0.2	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.03	J
100-41-4	Ethylbenzene	0.5	0.2	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.09	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-46-75

Project: ET03031 Date Sampled: 06/17/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-1B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-30

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-20

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-20RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.08	J
67-64-1	Acetone	3	12	B
75-09-2	Methylene Chloride	0.5	0.5	JB
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	7	
67-66-3	Chloroform	0.5	0.2	J
71-55-6	1,1,1-Trichloroethane	0.5	0.06	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.3	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	1	
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	1	B
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	0.2	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.09	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-30

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-20

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-20RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.1	JB
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	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-50

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-19RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.2	J
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	15	B
75-09-2	Methylene Chloride	0.5	0.8	B
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	0.03	J
78-93-3	2-butanone	3	5	
67-66-3	Chloroform	0.5	2	
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	1	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	4	
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	2	B
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	0.05	J
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	0.3	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-50

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: Y2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: Y2974-19RA73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.1	JB
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	0.6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-4B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/24/03

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	4	
75-01-4	Vinyl Chloride	0.5	4	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	4	
75-35-4	1,1-Dichloroethene	0.5	4	
75-15-0	Carbon disulfide	0.5	5	
67-64-1	Acetone	3	18	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	24	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	6	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	6	
108-10-1	4-Methyl-2-pentanone	3	25	
108-88-3	Toluene	0.5	4	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	5	
591-78-6	2-hexanone	3	29	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	4	
108-38-3	m,p-Xylene	1	9	
95-47-6	o-Xylene	0.5	5	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSKLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-4B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/24/03

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	5	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	6	
1330-20-7	Xylene (total)	0.5	15	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSLLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-5A73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	6	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	6	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	5	
67-64-1	Acetone	3	23	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	26	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	6	
107-06-2	1,2-Dichloroethane	0.5	5	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	25	
108-88-3	Toluene	0.5	5	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	27	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	5	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSLLCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-5

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-5A73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	6	
75-25-2	Bromoform	0.5	5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7	Xylene (total)	0.5	18	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSNLCS

Project: Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25090-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25090-4RA73

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	6	
75-01-4	Vinyl Chloride	0.5	7	
74-83-9	Bromomethane	0.5	6	
75-00-3	Chloroethane	0.5	6	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	5	
67-64-1	Acetone	3	28	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	6	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	6	
78-93-3	2-butanone	3	32	
67-66-3	Chloroform	0.5	6	
71-55-6	1,1,1-Trichloroethane	0.5	6	
56-23-5	Carbon Tetrachloride	0.5	6	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	6	
79-01-6	Trichloroethene	0.5	6	
78-87-5	1,2-Dichloropropane	0.5	5	
75-27-4	Bromodichloromethane	0.5	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	5	
108-10-1	4-Methyl-2-pentanone	3	25	
108-88-3	Toluene	0.5	5	B
10061-02-6	trans-1,3-Dichloropropene	0.5	5	
79-00-5	1,1,2-Trichloroethane	0.5	5	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	32	
124-48-1	Dibromochloromethane	0.5	5	
108-90-7	Chlorobenzene	0.5	6	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VSNLCS

Project: Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25090-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25090-4RA73

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	6	B
75-25-2---------	Bromoform	0.5	5	
79-34-5---------	1,1,2,2-Tetrachloroethane	0.5	5	
1330-20-7-------	Xylene (total)	0.5	18	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VTILCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25112-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25112-4B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	4	
75-01-4	Vinyl Chloride	0.5	5	
74-83-9	Bromomethane	0.5	5	
75-00-3	Chloroethane	0.5	6	
75-35-4	1,1-Dichloroethene	0.5	5	
75-15-0	Carbon disulfide	0.5	4	
67-64-1	Acetone	3	20	B
75-09-2	Methylene Chloride	0.5	5	B
156-60-5	trans-1,2-Dichloroethene	0.5	5	
1634-04-4	Methyl-tert-butyl ether	0.5	5	
75-34-3	1,1-Dichloroethane	0.5	5	
156-59-2	cis-1,2-Dichloroethene	0.5	5	
78-93-3	2-butanone	3	28	
67-66-3	Chloroform	0.5	5	
71-55-6	1,1,1-Trichloroethane	0.5	5	
56-23-5	Carbon Tetrachloride	0.5	5	
71-43-2	Benzene	0.5	5	
107-06-2	1,2-Dichloroethane	0.5	6	
79-01-6	Trichloroethene	0.5	5	
78-87-5	1,2-Dichloropropane	0.5	6	
75-27-4	Bromodichloromethane	0.5	6	
10061-01-5	cis-1,3-Dichloropropene	0.5	6	
108-10-1	4-Methyl-2-pentanone	3	31	
108-88-3	Toluene	0.5	5	
10061-02-6	trans-1,3-Dichloropropene	0.5	6	
79-00-5	1,1,2-Trichloroethane	0.5	6	
127-18-4	Tetrachloroethene	0.5	6	
591-78-6	2-hexanone	3	34	
124-48-1	Dibromochloromethane	0.5	6	
108-90-7	Chlorobenzene	0.5	6	
100-41-4	Ethylbenzene	0.5	6	
108-38-3	m,p-Xylene	1	11	
95-47-6	o-Xylene	0.5	6	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VTILCS

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25112-4

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25112-4B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	6	
75-25-2	Bromoform	0.5	6	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	6	
1330-20-7	Xylene (total)	0.5	18	

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKSK	86	83	85	93	0
02	VSKLCS	90	90	82	93	0
03	MIP-46-75	94	96	85	92	0
04	MIP-46-55	91	87	87	89	0
05	MIP-46-25	91	96	82	93	0
06	MIP-19-45	102	104	86	90	0
07	MIP-19-25	88	85	82	86	0
08	MIP-24-55	97	96	87	94	0
09	MIP-24-35	90	89	90	93	0
10	VBLKSL	80	74	82	88	0
11	VSLLCS	80	80	87	95	0
12	MIP-24-25	83	84	88	89	0
13	MIP-41-45	12*	156*	112	134	2
14	MIP-41-35	86	82	83	92	0
15	VBLKSN	91	95	84	96	0
16	VSNLCS	88	92	92	90	0
17	MIP-19-45DL	89	88	84	92	0
18	MIP-19-25DL	88	88	84	91	0
19	MIP-25-35	91	97	90	91	0
20	MIP-25-25	90	96	79	94	0
21	MIP-24-55DL	90	95	84	88	0
22	MIP-24-35DL	93	96	83	94	0
23	MIP-25-45	92	96	85	93	0
24	MIP-41-35DL	88	98	82	86	0
25	MIP-41-25	88	93	86	90	0
26	MIP-24-25DL	94	101	86	95	0
27	MIP-44-40	93	94	88	91	0
28	MIP-44-25	89	93	82	82	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	MIP-50-50	88	94	80	87	0
02	MIP-50-30	94	97	80	87	0
03	MIP-44-55	99	107	97	143	0
04	MIP-15-20	58*	71	58*	84	2
05	VBLKTI	84	90	75	74	0
06	VTILCS	96	98	100	95	0
07	MIP-15-20DL	104	102	106	146*	1
08	MIP-44-55DL	102	105	112	167*	1
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(65-150)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(59-150)
SMC3 (TOL)	= Toluene-d8	(61-145)
SMC4 (BFB)	= Bromofluorobenzene	(63-143)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.38	88	50-141
Vinyl Chloride	5.00	4.19	84	49-142
Bromomethane	5.00	4.89	98	54-150
Chloroethane	5.00	4.47	89	61-150
1,1-Dichloroethene	5.00	4.30	86	50-150
Carbon disulfide	5.00	4.67	93	50-150
Acetone	25.00	18.27	73	50-142
Methylene Chloride	5.00	5.01	100	50-149
trans-1,2-Dichloroethen	5.00	4.88	98	60-143
Methyl-tert-butyl ether	5.00	5.10	102	50-150
1,1-Dichloroethane	5.00	5.03	101	63-140
cis-1,2-Dichloroethene	5.00	5.32	106	58-148
2-butanone	25.00	24.24	97	50-150
Chloroform	5.00	5.27	105	57-146
1,1,1-Trichloroethane	5.00	4.69	94	58-150
Carbon Tetrachloride	5.00	4.59	92	50-150
Benzene	5.00	5.23	105	76-134
1,2-Dichloroethane	5.00	5.69	114	58-143
Trichloroethene	5.00	5.05	101	71-143
1,2-Dichloropropane	5.00	5.17	103	59-138
Bromodichloromethane	5.00	5.23	105	63-139
cis-1,3-Dichloropropene	5.00	5.71	114	56-142
4-Methyl-2-pentanone	25.00	24.99	100	50-145
Toluene	5.00	4.36	87	70-137
trans-1,3-Dichloroprope	5.00	5.05	101	61-135
1,1,2-Trichloroethane	5.00	4.65	93	60-133
Tetrachloroethene	5.00	4.80	96	59-150
2-hexanone	25.00	29.17	117	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSKLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	4.78	96	69-136
Chlorobenzene	5.00	5.00	100	74-136
Ethylbenzene	5.00	4.47	89	63-136
Styrene	5.00	5.04	101	62-133
Bromoform	5.00	4.80	96	58-144
1,1,2,2-Tetrachloroetha	5.00	6.03	121	43-139
Xylene (total)	15.00	15.16	101	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSLLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	5.90	118	50-141
Vinyl Chloride	5.00	6.87	137	49-142
Bromomethane	5.00	5.91	118	54-150
Chloroethane	5.00	6.39	128	61-150
1,1-Dichloroethene	5.00	4.81	96	50-150
Carbon disulfide	5.00	5.12	102	50-150
Acetone	25.00	23.21	93	50-142
Methylene Chloride	5.00	4.77	95	50-149
trans-1,2-Dichloroethen	5.00	5.45	109	60-143
Methyl-tert-butyl ether	5.00	4.64	93	50-150
1,1-Dichloroethane	5.00	5.21	104	63-140
cis-1,2-Dichloroethene	5.00	5.28	106	58-148
2-butanone	25.00	26.43	106	50-150
Chloroform	5.00	5.08	102	57-146
1,1,1-Trichloroethane	5.00	5.38	108	58-150
Carbon Tetrachloride	5.00	5.43	109	50-150
Benzene	5.00	5.55	111	76-134
1,2-Dichloroethane	5.00	4.97	99	58-143
Trichloroethene	5.00	5.32	106	71-143
1,2-Dichloropropane	5.00	5.24	105	59-138
Bromodichloromethane	5.00	4.85	97	63-139
cis-1,3-Dichloropropene	5.00	5.05	101	56-142
4-Methyl-2-pentanone	25.00	24.73	99	50-145
Toluene	5.00	5.38	108	70-137
trans-1,3-Dichloroprope	5.00	4.80	96	61-135
1,1,2-Trichloroethane	5.00	4.95	99	60-133
Tetrachloroethene	5.00	5.74	115	59-150
2-hexanone	25.00	27.36	109	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSLLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	4.92	98	69-136
Chlorobenzene	5.00	5.45	109	74-136
Ethylbenzene	5.00	5.59	112	63-136
Styrene	5.00	5.56	111	62-133
Bromoform	5.00	4.67	93	58-144
1,1,2,2-Tetrachloroetha	5.00	5.22	104	43-139
Xylene (total)	15.00	17.75	118	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSNLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	6.46	129	50-141
Vinyl Chloride	5.00	7.12	142	49-142
Bromomethane	5.00	6.20	124	54-150
Chloroethane	5.00	6.41	128	61-150
1,1-Dichloroethene	5.00	5.13	103	50-150
Carbon disulfide	5.00	5.21	104	50-150
Acetone	25.00	27.96	112	50-142
Methylene Chloride	5.00	4.93	99	50-149
trans-1,2-Dichloroethen	5.00	5.80	116	60-143
Methyl-tert-butyl ether	5.00	5.21	104	50-150
1,1-Dichloroethane	5.00	5.41	108	63-140
cis-1,2-Dichloroethene	5.00	5.54	111	58-148
2-butanone	25.00	31.82	127	50-150
Chloroform	5.00	5.63	113	57-146
1,1,1-Trichloroethane	5.00	6.01	120	58-150
Carbon Tetrachloride	5.00	6.20	124	50-150
Benzene	5.00	5.34	107	76-134
1,2-Dichloroethane	5.00	5.58	112	58-143
Trichloroethene	5.00	5.51	110	71-143
1,2-Dichloropropane	5.00	5.29	106	59-138
Bromodichloromethane	5.00	5.47	109	63-139
cis-1,3-Dichloropropene	5.00	5.45	109	56-142
4-Methyl-2-pentanone	25.00	25.21	101	50-145
Toluene	5.00	5.26	105	70-137
trans-1,3-Dichloroprope	5.00	5.37	107	61-135
1,1,2-Trichloroethane	5.00	4.84	97	60-133
Tetrachloroethene	5.00	5.66	113	59-150
2-hexanone	25.00	31.81	127	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VSNLCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	5.24	105	69-136
Chlorobenzene	5.00	5.60	112	74-136
Ethylbenzene	5.00	5.96	119	63-136
Styrene	5.00	5.82	116	62-133
Bromoform	5.00	4.98	100	58-144
1,1,2,2-Tetrachloroetha	5.00	4.91	98	43-139
Xylene (total)	15.00	18.47	123	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS:

3A
WATER VOLATILE LAB CONTROL SAMPLE

VTILCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chloromethane	5.00	4.47	89	50-141
Vinyl Chloride	5.00	4.77	95	49-142
Bromomethane	5.00	5.46	109	54-150
Chloroethane	5.00	5.57	111	61-150
1,1-Dichloroethene	5.00	4.56	91	50-150
Carbon disulfide	5.00	4.48	90	50-150
Acetone	25.00	19.59	78	50-142
Methylene Chloride	5.00	4.77	95	50-149
trans-1,2-Dichloroethen	5.00	4.62	92	60-143
Methyl-tert-butyl ether	5.00	5.27	105	50-150
1,1-Dichloroethane	5.00	5.22	104	63-140
cis-1,2-Dichloroethene	5.00	5.14	103	58-148
2-butanone	25.00	28.11	112	50-150
Chloroform	5.00	5.18	104	57-146
1,1,1-Trichloroethane	5.00	4.98	100	58-150
Carbon Tetrachloride	5.00	5.18	104	50-150
Benzene	5.00	5.12	102	76-134
1,2-Dichloroethane	5.00	6.28	126	58-143
Trichloroethene	5.00	4.86	97	71-143
1,2-Dichloropropane	5.00	5.62	112	59-138
Bromodichloromethane	5.00	5.81	116	63-139
cis-1,3-Dichloropropene	5.00	5.70	114	56-142
4-Methyl-2-pentanone	25.00	30.53	122	50-145
Toluene	5.00	4.94	99	70-137
trans-1,3-Dichloroprope	5.00	6.25	125	61-135
1,1,2-Trichloroethane	5.00	5.83	117	60-133
Tetrachloroethene	5.00	6.37	127	59-150
2-hexanone	25.00	33.60	134	50-142

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3A
WATER VOLATILE LAB CONTROL SAMPLE

VTILCS

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dibromochloromethane	5.00	6.01	120	69-136
Chlorobenzene	5.00	5.54	111	74-136
Ethylbenzene	5.00	5.51	110	63-136
Styrene	5.00	5.79	116	62-133
Bromoform	5.00	5.99	120	58-144
1,1,2,2-Tetrachloroetha	5.00	6.05	121	43-139
Xylene (total)	15.00	17.71	118	63-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 35 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKSK

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Lab File ID: WG25087-1B73_Y Lab Sample ID: WG25087-1

Date Analyzed: 06/24/03 Time Analyzed: 2257

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	VSKLCS	WG25087-4	WG25087-4B73	2331
02	MIP-46-75	Y2974-1	Y2974-1B73	0500
03	MIP-46-55	Y2974-2	Y2974-2B73	0526
04	MIP-46-25	Y2974-3	Y2974-3B73	0553
05	MIP-19-45	Y2974-4	Y2974-4B73	0620
06	MIP-19-25	Y2974-5	Y2974-5B73	0646
07	MIP-24-55	Y2974-9	Y2974-9B73	0833
08	MIP-24-35	Y2974-10	Y2974-10B73	0859
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-1B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/24/03

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	2	J
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.

VBLKSK

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-1B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/24/03

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 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKSL

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Lab File ID: WG25087-2A73_Y Lab Sample ID: WG25087-2

Date Analyzed: 06/25/03 Time Analyzed: 1340

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	VSLLCS	WG25087-5	WG25087-5A73	1413
02	MIP-24-25	Y2974-11	Y2974-11RA73	1647
03	MIP-41-45	Y2974-13	Y2974-13A73	2046
04	MIP-41-35	Y2974-14	Y2974-14A73	2113
05				
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:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSL

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-2A73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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	3	J
75-09-2	Methylene Chloride	0.5	0.3	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	0.05	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.

VBLKSL

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25087-2

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25087-2A73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/25/03

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 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKSN

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Lab File ID: WG25090-1A73 Lab Sample ID: WG25090-1

Date Analyzed: 06/26/03 Time Analyzed: 0921

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	VSNLCS	WG25090-4	WG25090-4RA7	1055
02	MIP-19-45DL	Y2974-4	Y2974-4D2A73	1143
03	MIP-19-25DL	Y2974-5	Y2974-5D2A73	1211
04	MIP-25-35	Y2974-7	Y2974-7D2A73	1305
05	MIP-25-25	Y2974-8	Y2974-8D2A73	1331
06	MIP-24-55DL	Y2974-9	Y2974-9D2A73	1358
07	MIP-24-35DL	Y2974-10	Y2974-10D2A7	1424
08	MIP-25-45	Y2974-6	Y2974-6D3A73	1518
09	MIP-41-35DL	Y2974-14	Y2974-14DA73	1544
10	MIP-41-25	Y2974-15	Y2974-15DA73	1611
11	MIP-24-25DL	Y2974-11	Y2974-11D2A7	1638
12	MIP-44-40	Y2974-17	Y2974-17RA73	1704
13	MIP-44-25	Y2974-18	Y2974-18RA73	1731
14	MIP-50-50	Y2974-19	Y2974-19RA73	1758
15	MIP-50-30	Y2974-20	Y2974-20RA73	1824
16	MIP-44-55	Y2974-16	Y2974-16DA73	1851
17	MIP-15-20	Y2974-12	Y2974-12DA73	1917
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSN

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25090-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25090-1A73

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	3	
75-09-2	Methylene Chloride	0.5	0.3	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	0.1	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.

VBLKSN

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25090-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25090-1A73

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	0.05	J
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

VBLKTI

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Lab File ID: WG25112-1B73_Y Lab Sample ID: WG25112-1

Date Analyzed: 06/26/03 Time Analyzed: 2300

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	VTILCS	WG25112-4	WG25112-4B73	2334
02	MIP-15-20DL	Y2974-12	Y2974-12D2B7	0009
03	MIP-44-55DL	Y2974-16	Y2974-16D2B7	0036
04				
05				
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:

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTI

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25112-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25112-1B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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	4	
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		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.

VBLKTI

Project: ET03031 Date Sampled:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Y2974

Matrix: (soil/water) WATER Lab Sample ID: WG25112-1

Sample wt/vol: 25 (g/ml) ML Lab File ID: WG25112-1B73_Y

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

% Moisture: not dec. _____ Date Analyzed: 06/26/03

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

COMPUCHEM

a division of Liberty Analytical Corp.

June 30, 2003

20 VOAs

Earth Tech
~~CHRYSLER~~ 6/30/03
36133 Schoolcraft Road
Attn: Justin Kelley
Livonia, MI 48150

Subject:
Report of Data – Project: ET03031 Quote #: Q2974 SDG #: Z2974

Attn.: Earth Tech

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 122.

501 Madison Avenue ■ Cary, N.C 27513 ■ Tel: 919-379-4100 ■ Fax: 919-379-4050

SAMPLENUM	CLIENTID	QUOTENUMREF	LOGINNUM	MATNUM	ACCTNUM	PROJECTNUM	RECEIVEDATE
Z2974-19	EB-062003	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-10	MIP-35-40	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-9	MIP-35-60	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-8	MIP-39-20	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-7	MIP-39-60	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-6	MIP-39-70	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-11	MIP-50-20	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-18	MIP-51-25	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-17	MIP-51-40	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-16	MIP-51-50	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-12	MIP-53-25	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-2	MIP-64-25	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-1	MIP-64-30	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-5	MIP-65-25	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-4	MIP-65-55	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-3	MIP-65-65	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-15	MIP-67-25	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-14	MIP-67-40	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-13	MIP-67-50	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03
Z2974-20	TRIP BLANK	Q2974	Z2974	WA	CHRYSLER	ET03031	6/21/03

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #Z2974

SAMPLE IDENTIFICATIONS: MIP-64-30(DL) MIP-64-25(DL) MIP-65-65 MIP-65-55 MIP-65-25(DL) MIP-39-70(DL) MIP-39-60(DL) MIP-39-20 MIP-35-60 MIP-35-40 MIP-50-20 MIP-53-25(RE) MIP-67-50 MIP-67-40 MIP-67-25 MIP-51-50 MIP-51-40 MIP-51-25 EB-062003 TRIP BLANK

The twenty water samples listed above were received intact at 2.3 degrees C, with proper documentation, in sealed shipping containers, on June 21, 2003. All samples were submitted for volatile only analysis, and were prepared and analyzed following SW846 Method 8260B. All pertinent Quality Assurance Notices are included in the narrative section, and all pertinent Laboratory Notices for SDG # Z2974 are included in the sample data sections.
Analysis holding time requirements were met for all of these samples, and sample pH values were only less than 2.0 for TRIP BLANK.

The volatile target analytes acetone, methylene chloride, cis-1,2-dichloroethene, 2-butanone, chloroform, 1,1,1-trichloroethane, toluene, xylenes, and trichloroethene were the most frequently identified above the reporting limits in the submitted samples.

The initial neat analyses of samples MIP-62-25, MIP-65-25, MIP-39-70, and MIP-39-60 all contained one or more target analytes outside of calibration limits. The samples were reanalyzed at appropriate dilutions, and for these samples we have reported both neat and diluted analyses. Sample MIP-65-25 failed one SMC high for recovery, and one internal low for response in the diluted run, however no sample remained for reanalysis. The initial neat analysis of MIP-64-30 contained 1,1,1-trichloroethane outside of calibration limits, and a diluted reanalysis from the second bottle still contained this analyte outside of calibration limits. Another diluted analysis was conducted from the third bottle which agreed reasonably well with the neat analysis, however 1,1,1-trichloroethane was not in the upper half of the calibration. We have reported the first and third analyses believing the variability is due to bottle differences due to suspended solids.

The initial neat analyses of samples MIP-67-50, MIP-67-40, and MIP-67-25 were conducted by combining volumes from bottles 1 and 2 due to high levels of suspended sediment. This data was unreportable due to carryover and failing QC limits for internal standards, and SMCs. These initial analyses showed potentially high level target analytes, and were used as screen information, and the diluted reanalyses from the third bottle did not contain target analytes above the reporting limts, and the third, and only reportable analysis was analyzed from the remaining contents of bottle three. Again based on screen data samples MIP-65-65, and MIP-65-55 were initially analyzed at dilutions which contained target analytes in the upper half of the calibration(except as noted below for MIP-65-55), and for these samples we have only reported the one diluted run. The screen Reconstructed Ion Chromatograms(RICs) are included in the sample data package immediately following the RIC for the sample's reportable run.

No instrument blank separated the analyses of concurrently analyzed samples MIP62-25, MIP-65-25, MIP-39-70, and MIP-39-60 all of which contained one or more target analytes at levels outside of calibration limits. Due to the fact that we are providing diluted reanalyses of all of these samples with all analytes within calibration limits, we are reporting the data with reference to this qualifier. Again no instrument blank separated MIP-39-60(with exceeding levels of trichloroethene), and sample MIP-50-20(with trichloroethene slightly above reporting limits). An unreported analysis of sample MIP-35-40(05:23) did separate these two samples, and did not contain trichloroethene above the reporting limits demonstrating that no carryover occurred. The quantitation report for the unreported analysis of MIP-35-40 is found following the SDG narrative.
The one reported diluted analysis of MIP-65-55 contained cis-1,2-dichloroethene at 310 ng on column which is slightly below the mid-point of the calibration at 312 ng. The laboratory interprets these results to be within the precison of the method, and the sample was not reanalyzed at a lesser dilution.

Sample MIP-53-25 failed SMCs high for recovery, and all internals low for response in the initial neat analysis(again bottle compositing was necessary due to suspended sediment). The reanalysis was conducted at a dilution due to limited sample volume, and an SMC again failed high for recovery, and we have reported both runs.

There is no Form VII in the deliverables package for the tune batch analyzed on instument 73(06/27/03), associated with the corresponding BFB injected at 15:47 This tune batch included an initial calibration sequence and the relavent relative response factors are all displayed on the Form VI. The initial calibration met all acceptance criteria, and as required by SW-846, the mean relative response factors from the initial calibration standards could therefore be used to quantitate target analytes in the samples analyzed within that 12-hour tune batch. The initial calibration curve for each target analyte is required to be verified once every 12 hours "after" the tune batch during which the initial calibration sequence was run. In this situation, a calibration verification standard and it's associated Form VII are not required.

No Tentatively Identified Compounds (TICs) were searched at the request of the client

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds(SMCs) met recovery criteria in the analyses of these samples(except as noted above), and all of the internal standards met response and retention time criteria in the analyses of these samples(except as noted above).

The associated method blanks met all QC criteria, and did not contain any target analytes above the reporting limits with the exception of acetone in VBLKSR, VBLKUB, and VBLKUY. Levels of acetone were however less than 2X the reporting limits as allowed for this common laboratory solvent.
No matrix spikes were generated per client request, however the associated Laboratory Control Samples (LCSs) met all accuracy criteria. Due to an operator oversight VUALCS only contained five spike compounds, and due to the fact that the no useable volume was left for the associated samples no reanalysis was possible.

Manual Quantitations were performed on some of the process files in the asssociated initial and continuing calibrations. The reasons have been coded with explanations provided in the notice included in the narrative section of this SDG.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package, and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Roy Sutton
Case Reviewer
June 30, 2003

Data File: /chem/5972hp71.i/DF030625B71.b/Z2974-10B71.d
Report Date: 26-Jun-2003 07:57

CompuChem

SW846 UPDATE III METHOD 8260B QUANT & RATIO REPORT

Data file : /chem/5972hp71.i/DF030625B71.b/Z2974-10B71.d
Lab Smp Id: Z2974-10 Client Smp ID: MIP-35-40
Inj Date : 26-JUN-2003 05:23
Operator : 2513 Inst ID: 5972hp71.i
Smp Info : Z2974-10:2513
Misc Info :
Comment :
Method : /chem/5972hp71.i/DF030625B71.b/W8260-B-25MLv6.m
Meth Date : 25-Jun-2003 21:25 keng Quant Type: ISTD
Cal Date : 24-JUN-2003 13:16 Cal File: CW030624A71.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL3CT+MTBE.sub
Target Version: 3.50
Processing Host: dante

Concentration Formula: Amt * DF * 1/(Vo) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	25.00000	volume of water
DF	1.00000	dilution factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	8.120	8.124	(1.000)	547090	125.000	
* 2 Chlorobenzene-d5	117	10.339	10.343	(1.000)	334963	125.000	
* 3 1,4-Dichlorobenzene-d4	152	11.789	11.783	(1.000)	168662	125.000	
$ 4 Dibromofluoromethane	113	7 528	7.522	(0.927)	191834	157 726	6 31
$ 5 1,2-Dichloroethane-d4	65	7.834	7.838	(0.965)	141225	154.353	6 17
$ 6 Toluene-d8	98	9.333	9.327	(0.903)	446610	152 921	6.12
$ 7 Bromofluorobenzene	95	11.069	11.063	(0.939)	172440	171.868	6.87
9 Chloromethane	50	3.316	3.183	(0 408)	8961	4.27247	0.171(a)
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected					
12 Chloroethane	64	Compound Not Detected					
16 1,1-Dichloroethene	96	Compound Not Detected.					
21 Carbon disulfide	76	5.466	5 471	(0.673)	11872	2.95665	0 118(a)
18 Acetone	43	5 190	5.185	(0.639)	25896	146.879	5.88
24 Methylene Chloride	84	5 733	5 727	(0.706)	5379	5 56830	0.223(a)
27 trans-1,2-Dichloroethene	96	Compound Not Detected.					

Data File: /chem/5972hp71.i/DF030625B71.b/Z2974-10B71.d
Report Date: 26-Jun-2003 07:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
28 Methyl-tert-butyl ether	73	Compound Not Detected					
30 1,1-Dichloroethane	63	Compound Not Detected.					
34 cis-1,2-Dichloroethene	96	7.084	7.089	(0.872)	1092	1.11473	0 0446(a)
37 2-butanone	43	7.074	7 069	(0.871)	52311	247.611	9.90
42 Chloroform	83	Compound Not Detected.					
43 1,1,1-Trichloroethane	97	Compound Not Detected.					
48 Carbon Tetrachloride	117	Compound Not Detected.					
51 Benzene	78	7 903	7.907	(0.973)	20040	5 35927	0.214(a)
49 1,2-Dichloroethane	62	8 120	7 907	(1.000)	8488	7.15202	0.286(a)
53 Trichloroethene	130	8 425	8.420	(1.038)	5782	5.44083	0.218(a)
55 1,2-Dichloropropane	63	8 120	8.598	(1 000)	20247	20.9454	0.838
59 Bromodichloromethane	83	Compound Not Detected.					
61 cis-1,3-Dichloropropene	75	Compound Not Detected.					
62 4-Methyl-2-pentanone	43	9.323	9.189	(0.902)	3441	7 51428	0 301(a)
63 Toluene	92	9 382	9.377	(0.907)	30162	13.9050	0.556
64 trans-1,3-Dichloropropene	75	Compound Not Detected.					
65 1,1,2-Trichloroethane	97	Compound Not Detected.					
68 Tetrachloroethene	164	Compound Not Detected.					
69 2-hexanone	43	9 520	9 771	(0 921)	2332	7.38204	0.295(a)
70 Dibromochloromethane	129	Compound Not Detected.					
72 Chlorobenzene	112	Compound Not Detected.					
75 Ethylbenzene	106	10 398	10.403	(1.006)	1129	1.00151	0.0401(a)
76 m,p-Xylene	106	10.467	10 462	(1 012)	2076	1.47310	0 0589(a)
77 o-Xylene	106	10.467	10.728	(1.012)	2076	1.63848	0 0655(a)
78 Styrene	104	10 743	10.738	(1.039)	2694	1.28020	0.0512(a)
79 Bromoform	173	Compound Not Detected.					
82 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
M 107 Xylene (total)	106				4152	3.27697	0 131(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

IP 250/460/462/475/480B/483

Method W8260B 25ml
Chrysler

Batch # _____

4.

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
Z2974-1	MIP-64-30	Z2974	7	1437	6-26	71	2423		25ml	1	DI	111TCA @ 73
Z2974-2	MIP-64-25	Z2974	7	207	6-26		2513			1	DI	30
Z2974-3	MIP-65-65	Z2974	7	232						1	IL/DI/SH	cis 1,2, Dce @ 48
Z2974-4	MIP-65-55	Z2974	7	256						1	IL/SH/DI	mod 47
Z2974-5	MIP-65-25	Z2974	7	321						1	DI	Tce @ 56
Z2974-6	MIP-39-70	Z2974	7	345						1	DI	28
Z2974-7	MIP-39-60	Z2974	7	409						1	DI	26
Z2974-8	MIP-39-20	Z2974	7	434						1	CS	
Z2974-9	MIP-35-60	Z2974	7	458						1	CS	
Z2974-10	MIP-35-40	Z2974	7	523						1	—	
Z2974-11	MIP-50-20	Z2974	7	542						2	—	mod Lost of Sample
Z2974-12	MIP-53-25	Z2974	7	612					1 ~~25ml~~	2 3	IL/SH	mod Lost of Sample
Z2974-13	MIP-67-50	Z2974	7	355					25ml	1	IL/SH/DI	Benzene @ 103 needle clogged
Z2974-14	MIP-67-40	Z2974	7	420						1	IL/SH/DI	2-butanone @ 800
Z2974-15	MIP-67-25	Z2974	7	444						1	IL/SH/DI	acetone @ 3180
Z2974-16	MIP-51-50	Z2974	7	509						1	IL/SH/CS	
Z2974-17	MIP-51-40	Z2974	7	533						1	IL/SH	
Z2974-18	MIP-51-25	Z2974	7	557						1	IL/SH	
Z2974-19	EB-062003	Z2974	7	622						1	IL/SH	
Z2974-20	TRIP BLANK	Z2974	1	~~6-25~~ 1417	6-25	71	2423		25ml	1	✓	
WG25091-1	VBLKSQ											
WG25091-2	VBLKSR		—	1211	6-28	73	2537		25ml	—	✓	
WG25091-3	VBLKSS											
WG25091-4	VSQLCS											
WG25091-5	VSRLCS		—	1251	6-28	73	2537		25ml	—	✓	
WG25091-6	VSSLCS											
1D			7	1443	6-26	71	2513		6ml	2	DW	1,1,1 TCA @ 30
-1D2			7	1448					3.5ml	3	—	Diff Bottle content
-2D			7	1512					14ml	2	—	
-3D			7	1537					~~14ml~~ 9ml	2	—	
-4D			7	0015	6-27				~~7.5ml~~ 9ml	2	SH	
-5D			7	0040					7.5ml	2	—	
-6D			7	104					15ml	2	SH	
-7D			7	129					15ml	2	SH/DW	
-8R			7	217					25ml	2	SH	
-9R			7	242						2	SH	
~~-10R~~												

HT 1-5 7/2/03
6-19 7/3/03
20 7/1/03

Due 6/27/03

TCL3 ct. + mTBE Sub

6/27/01 rmh

CompuChem
a Division of Liberty Analytical Corp

GC/MS VOA Batch Sheet - Water

Method

IP 250/460/462/475/480B/483

Batch # _____

5

SAMPLENUM	CLIENTID	LOGINNUM	pH	Time	Date	INST #	Operator	H/T	Volume	Bottle #	Report	Comments
Z2924-10R			7	306	6-27	71	2513		25 ml	3	SH	
-11R												Volume - Left
-12R			7	331	6-27	71	2513		25 ml	123	SH	out of sample
-4D2				0105	6-28				9 ml	3	✓	
-6D2				0131					15 ml	3	✓	
-7D2				0158					15 ml	3	✓	
-8R2				2156	6-27				25 ml	3	✓	
-9R2				2215					25 ml	3	✓	
-10R2				2238					25 ml	3	✓	
-13D				0225	6-28				3.5 ml	3	DW	
-14D				0251					2 ml	3	DW	
-15D				0318					3 ml	3	DW	
-16R				2338	6-27			15 ml	25 ml	123	✓	Last of Sample
-17R				2315				20 ml		123	✓	
-18R				0012	6-28			17 ml		123	✓	
-19R				0038				25 ml		2	✓	
-13D2			7	1331	6-28	73	2537		7 ml	3	✓	Last of sample
-14D2			7	1358					11 ml	3	✓	
-15D2			7	1421					7 ml	3	✓	

6/29/03

COMPUCHEM

Work Group Report (wk02)

24-JUN-03 08:47 AM

Work Group: WG25091

Department: 435 MS/VOA ANALYSIS **Created:** 24-JUN-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
WG25091-1	VBLKSQ	VOA-8260B-25ML	Water	24-JUN-03		
WG25091-2	VBLKSR	VOA-8260B-25ML	Water	24-JUN-03		
WG25091-3	VBLKSS	VOA-8260B-25ML	Water	24-JUN-03		
WG25091-4	VSQLCS	VOA-8260B-25ML	Water	24-JUN-03		
WG25091-5	VSRLCS	VOA-8260B-25ML	Water	24-JUN-03		
WG25091-6	VSSLCS	VOA-8260B-25ML	Water	24-JUN-03		
Z2974-1	MIP-64-30	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-10	MIP-35-40	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-11	MIP-50-20	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-12	MIP-53-25	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-13	MIP-67-50	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-14	MIP-67-40	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-15	MIP-67-25	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-16	MIP-51-50	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-17	MIP-51-40	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-18	MIP-51-25	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-19	EB-062003	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-2	MIP-64-25	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-20	TRIP BLANK	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-3	MIP-65-65	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-4	MIP-65-55	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-5	MIP-65-25	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-6	MIP-39-70	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-7	MIP-39-60	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-8	MIP-39-20	VOA-8260B-25ML	Water	21-JUN-03		
Z2974-9	MIP-35-60	VOA-8260B-25ML	Water	21-JUN-03		

Comments:

Z2974-1	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Z2974-10	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-11	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-12	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Z2974-13	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Z2974-14	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-15	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-16	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-17	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-18	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-19	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-2	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-20	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Z2974-3	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-4	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-5	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY
Z2974-6	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
GC Laboratory				
Restek	RTX-1701	0.53	0.5	30
J & W	DB-608	0.53	0.83	30
Restek	CLPesticides	0.53	0.5	30
Restek	CLPesticides II	0.53	0.42	30
GC Volatiles Laboratory				
Restek	RTX-1	0.53	0.5	105
Restek	RTX-502.2	0.53	0.5	105
GC/MS Volatiles Laboratory				
J & W	DB-624	0.53	3.0	30/75
J & W	DB-624	0.25	1.4	60
J & W	DB-624	0.32	1.8	60
Restek	RTX-624	0.32	1.8	60
Restek	RTX-VMS*	0.18	1.0	20
Supelco	SPB-624	0.32	1.4	60
Supelco	Equity™-624	0.53	3.0	75
Zebron	ZB-624	0.32	1.8	60
GC/MS Semivolatiles Laboratory				
Restek	RTX-5MS	0.25	0.25	30
Restek	RTX-5MS	0.32	0.25	30
HPLC Laboratory				
Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
Restek	Pinnacle Cyano	4.6	5.0	25 cm
Restek	Allure C18	4.6	5.0	25 cm

*Note: The RTX-VMS column is currently not used for EPA CLP analyses.

TRAPS

GC and GC/MS Volatiles Laboratory	
Tekmar 3	* 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Tekmar 5	* 1 cm of methyl silicone packing (OV-1 coating) * 8 cm of 2,6-diphenylene oxide polymer (Tenax) * 8 cm of silica gel * 7 cm of coconut charcoal * 0.5 cm of silanized glass wool at each end
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons) * 6 cm of Carboxen 1000 (Carbon molecular sieves) * 1 cm of Carboxen 1001 (Carbon molecular sieves)

COMPUCHEM

Work Group Report (wk02)

24-JUN-03 08:47 AM

Work Group: WG25091

Department: 435 MS/VOA ANALYSIS **Created:** 24-JUN-03

Sample	Client ID	Product	Matrix	RecvDate	Bottle#	Lab Information
Z2974-7	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY					
Z2974-8	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY					
Z2974-9	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE SUB**LCS ONLY					

Internal Chain of Custody

Relinquished By	Cooler 26	Date 6-25	Received By	MZ	Date 1510	Reason	Analysis
Relinquished By	MZ	Date 6-25	Received By	Cooler 26	Date 1600	Reason	Storage
Relinquished By	Cooler 26	Date 6-25	Received By	KC	Date 1410	Reason	Analysis
Relinquished By	KC	Date 6-25	Received By	Cooler 26	Date 2111	Reason	Storage
Relinquished By	Cooler 26	Date 6-25	Received By	KC	Date 2111	Reason	Analysis
Relinquished By	KC	Date 6-25	Received By	Cooler 26	Date 2212	Reason	Storage
Relinquished By	Cooler 26	Date 6-27	Received By	KC	Date 2111	Reason	Analysis
Relinquished By	KC	Date 6-27	Received By	Cooler 26	Date 2215	Reason	Storage
	MZ	6-28		M	1300		Analysis
	M			MZ	1330		Storage

7

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC data packages.

Robert E. Meierer
Vice President

Revision 6 (3/25/02)

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

DATA REPORTING QUALIFIERS (continued)

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A : This flag indicates that a TIC is a suspected aldol-condensation product.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Chrysler Earth Tech	Rec'd Date: 6/21/03	PPS/RFA ET03031	
Project: Dayton Thermal	Courier: Fed Ex	Lab Instructions	
Quote: Q2974	Airbill No. 8405 4919 1350	VOC 8260B 25ml TCL3 CT + MTBE, SUB	
Login No. X2974			
Subcontract? Y / (N)			
TAT Verbal Report 6 days			

Cooler Rec'd By:	
Sample Login By:	
Temperature:	2.3 °C
Cyanide Samples checked for sulfide & chlorine?	Y / (NA)
Phenol Samples checked for chlorine?	Y / (NA)
Received in Good Condition?	(Y) / N
If no, explain:	

Parameters

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No. & Type (VOC)	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH
X2974-1	MP-26-58		WA	06/17	17:40	3 150ml															
-2	35			/	18:10																
-3	25			/	18:40																
-4	31-60			/ 18	10:15																
-5	40			/	10:40																
-6	20			/	11:00																
-7	18-65			/	12:30																
-8	40			/	13:15																
-9	25			/	14:00																
-10	64-40			/	15:50																
-11	35-25			/ 18	12:15																
-12	43-70			/	13:45																
-13	35			/	14:20																
-14	25			/	14:50																
-15	11-70			/	17:45																
-16	50			/	18:00																
-17	20			/	18:15																
-18	48-56			/ 17	15:35																
-19	34			/	16:05																
-20	31			/	16:25																

Container Type Abbreviations 40mL(40mL vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client:	Earth Tech	Rec'd Date: 6/21/03	PPS/RFA ET03031
Project:	Dayton Thermal	Courier: Fed Ex	Lab Instructions
Quote: Q2974		Airbill No. 8405 4919 1350	
Login No. Y2974			
Subcontract? Y / N			
TAT Verbal	Report 6 day		

Cooler Rec'd By:	[signature]
Sample Login By:	[signature]
Temperature:	2.3 °C
Cyanide Samples checked for sulfide & chlorine?	Y / NA
Phenol Samples checked for chlorine?	Y / NA
Received in Good Condition?	Y / N
If no, explain:	

Parameters

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	No & Type (VOC)	pH	No & Type	pH	No & Type	pH	No & Type	pH	No & Type	pH	No. & Type	pH	No & Type	pH	No & Type	pH
Y2974-1	MIP-46-75		WA	06/17	18:10	3 40ml															
-2	55			/	18:35																
-3	25			/	18:55																
-4	19-45			/ 18	09:25																
-5	25			/	09:45																
-6	25-45			/	10:35																
-7	35			/	11:05																
-8	25			/	11:20																
-9	24-55			/	12:15																
-10	35			/	12:30																
-11	25			/	12:45																
-12	15-20			/	15:40																
-13	41-45			/	17:25																
-14	35			/	17:40																
-15	25			/	17:55																
-16	44-55			/ 19	09:40																
-17	40			/	10:00																
-18	25			/	10:55																
-19	50-50			/	11:55																
-20	30			/	12:00																

Container Type Abbreviations 40ml (40ml Vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER _____

COMPUCHEM a Divison of Liberty Analytical
COMMERCIAL RECEIVING LOG

Client: Earth Tech	Rec'd Date: 6/21/03	PPS/RFA E103031	
Project: Dayton Thermal	Courier: Fed Ex	Lab Instructions	
Quote: Q2974	Airbill No. 8405 4919 1350		
Login No. Z2974			
Subcontract? Y / N			
TAT Verbal ____ Report 6 days			

Cooler Rec'd By:	
Sample Login By:	
Temperature:	2.3 °C
Cyanide Samples checked for sulfide & chlorine?	Y / NA
Phenol Samples checked for chlorine?	Y / NA
Received in Good Condition?	Y / N
If no, explain:	

CompuChem ID	Client ID	QC	Matrix	Date 2003	Military Time	Parameters: VOC No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH	No. & Type	pH
Z2974-1	MP-64-30		WA	06/18	16:10	3-40ml															
-2	25			/	16:20																
-3	65-65			/	18:25																
-4	55			/	18:40																
-5	25			/	18:55																
-6	39-70			/ 19	09:50																
-7	60			/	10:10																
-8	20			/	10:25																
-9	35-60			/	11:50																
-10	40			/	12:00																
-11	50-20			/	12:30	2-40ml															
-12	53-25			/	13:55	3-40ml															
-13	67-50			/	15:45																
-14	40			/	16:05																
-15	25			/	16:15																
-16	51-50			/	18:00																
-17	40			/	18:25																
-18	25			/	18:40																
-19	EB-062003			/ 20	10:00																
-20	TRIP BLANK			6/17	—	1-40ml															

Container Type Abbreviations 40ml.(40ml vial) AL(Amber Liter) PL(Plastic Liter) 500P(500mL Plastic) 250P(250mL Plastic) OTHER ____

rll - 6/28/01 dee

DAIMLERCHRYSLER

Chain-of-Custody

№ 00570 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number. (919) 379-4100 Fax Number (919) 379-4040	Project Name: Dayton Thermal Site Location. Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM Rob Stenson Phone: 920-451-2407 Fax: 920-458-0558	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-26-58	6/17/03	1740	G	GW	3	X									> pea-size air bubble all 3:40ml vials @ 6/2/03
MIP-26-35	6/17/03	1810			3	X									
MIP-26-25	6/17/03	1840			3	X									
MIP-31-60	6/18/03	1015			3	X									> pea-size air bubble all 3:40ml vials @ 6/2/03
MIP-31-40	6/18/03	1040			3	X									
MIP-31-20	6/18/03	1100			3	X									> pea-size air bubble in 2:40ml vials @ 6/2/03
MIP-7B-65	6/18/03	1230			3	X									> pea-size air bubble in all 3:40ml vials @ 6/2/03
MIP-18-40	6/18/03	1315			3	X									
MIP-18-25	6/18/03	1400			3	X									
MIP-64-40	6/18/03	1550			3	X									

Sampler(s) JD NH	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 2.3°C
	Relinquished by: P. Decenlen	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schuller	Date: 6/20/03	Time: 400	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00561 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Co Address: 4135 Technology Pkwy Sheboygan WI 53083 Consultant PM: Rob Stenson Phone 920-451-2407 Fax: 920-458-0557	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-35-25	6/19/03	1215	G	GW	3	X									
MIP-43-70	6/19/03	1345	↓	↓	3	X									> pea-size air bubble in 2 of 40 ml vials 6/21/03
MIP-43-35	6/19/03	1420	↓	↓	3	X									
MIP-43-25	6/19/03	1450	↓	↓	3	X									
MIP-11-70	6/19/03	1745	↓	↓	3	X									> pea-size air bubble in all 40 ml vials 6/21/03
MIP-11-50	6/19/03	1800	↓	↓	3	X									↓
MIP-11-20	6/19/03	1815	↓	↓	3	X									
MIP-48-56	6/17/03	1535	↓	↓	3	X									> pea-size air bubble in all 3 40 ml vials 6/21/03
MIP-48-36	6/17/03	1605	↓	↓	3	X									↓
MIP-48-31	6/17/03	1625	↓	↓	3	X									↓

Sampler(s) DD AH	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 2.3°C
	Relinquished by: D. December	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schiller	Date: 6/23/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution. White copy Data package Yellow · Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00562 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number. (919) 379-4100 Fax Number. (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczak	Consultant: Earth Tech Address. 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-46-75	6/17/03	1810	G	GW	3	X									
MIP-46-55	6/17/03	1835	↓	↓	↓	X									>pea-size air bubble in all 3.40ml vials 6/24/03
MIP-46-25	6/17/03	1855	↓	↓	↓	X									
MIP-19-45	6/18/03	0925	↓	↓	↓	X									>pea-size air bubble in all 3.40ml vials 6/24/03
MIP-19-25	6/18/03	0945	↓	↓	↓	X									
MIP-25-45	6/18/03	1035	↓	↓	↓	X									>pea-size air bubble in all 3.40ml vials 6/24/03
MIP-25-35	6/18/03	1105	↓	↓	↓	X									
MIP-25-25	6/18/03	1120	↓	↓	↓	X									
MIP-24-55	6/18/03	1215	↓	↓	↓	X									
MIP-24-35	6/18/03	1230	↓	↓	↓	X									

Sampler(s) DD LH	Cooler ID #			Samples Relinquished under Airbill No			Temperature (corrected) 2.3 °C
	Relinquished by: D. Deanler	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schuller	Date: 6/24/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy. Data package Yellow · Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00563 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech ∞ Address: 4135 Technology Pkwy Sheboygan, WI. 53083 Consultant PM: Rob Stenson Phone: 920-457-2407 Fax: 920-458-0550	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs								Remarks
MIP-24-25	6/18/03	1245	G	GW	3	X								
MIP-15-20	6/18/03	1540	↓	↓	3	X								> pea-size air bubble in all 3, 40 ml vials @ 6/20/03
MIP-41-45	6/18/03	1725			3	X								↓
MIP-41-35	6/18/03	1740			3	X								
MIP-41-25	6/18/03	1755			3	X								
MIP-44-55	6/19/03	0940			3	X								
MIP-44-40	6/19/03	1000			3	X								
MIP-44-25	6/19/03	1055			3	X								
MIP-50-50	6/19/03	1155			3	X								> pea-size air bubble in all 3, 40 ml vials @ 6/20/03
MIP-50-30	6/19/03	1200	↓	↓	3	X								> pea-size air bubble in 1, 40 ml vial @ 6/20/03

Sampler(s) DD LH	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3 C
	Relinquished by: D. December	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? (Yes) No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schellen	Date: 6/24/03	Time: 1100	Custody Seal Intact? (Yes) No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy. Data package Yellow. Retained by laboratory Pink. Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00569 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ~~[illegible]~~ ET 03081 DaimlerChrysler PM: Gary Stanczuk	Consultant: EarthTech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone: 920-451-2407 Fax: 920-458-0550	

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

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

Compound List-Parameter/Method/Bottle Type/Preservative: VOCs

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs	Remarks
MIP-64-30	6/18/03	1610	G	GW	3	X	
MIP-64-25	6/18/03	1620			3	X	
MIP-65-65	6/18/03	1825			3	X	Pea-size air bubble in all 3 total vials @ 6/21/03
MIP-65-55	6/18/03	1840			3	X	
MIP-65-25	6/18/03	1855			3	X	
MIP-39-70	6/19/03	0950			3	X	
MIP-39-60	6/19/03	1010			3	X	
MIP-39-20	6/19/03	1025			3	X	
MIP-35-60	6/19/03	1150			3	X	Pea-size air bubble in 1 of 3 total vials @ 6/21/03
MIP-35-40	6/19/03	1200			3	X	

Sampler(s): DD NA	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 2.3 °C
	Relinquished by: D. Perenlu	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Stiller	Date: 6/21/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution White copy Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

DAIMLERCHRYSLER — Chain-of-Custody

№ 00564 A

CompuChem 501 Madison Avenue Cary, NC 27513 Phone Number: (919) 379-4100 Fax Number: (919) 379-4040	Project Name: Dayton Thermal Site Location: Dayton, OH Site Code: RFA Number: ET 03031 DaimlerChrysler PM: Gary Stanczuk	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone: 920-457-2407 Fax: 920-458-0550	

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

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

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

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOCs									Remarks
MIP-50-20	6/19/03	1230	G	GW	2	x									
MIP-53-25	6/19/03	1355			3	x									>passing air bubble in all 5 test wells @ 6/21/03
MIP-67-50	6/19/03	1545			3	x									
MIP-67-40	6/19/03	1605			3	x									Samples labeled IP-67-50 @ 1605
MIP-67-25	6/19/03	1645			3	x									Tracing @ 6/21/03 unstable
MIP-51-50	6/19/03	1800			3	x									
MIP-51-40	6/19/03	1825			3	x									
MIP-51-25	6/19/03	1840			3	x									
EB-062003	6/20/03	1000			3	x									
Trip & Temp. Blank					2	x									

Sampler(s): DD 2H	Cooler ID #			Samples Relinquished under Airbill No.			Temperature (corrected) 23°C
	Relinquished by: D. December	Date: 6/20/03	Time: 1100	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: E. Schiller	Date: 6/21/03	Time: 1100	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy - Data package; Yellow - Retained by laboratory; Pink - Retained by sampler

Revision No 3
Created July 9, 1999

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:20 PM*

Login Number: X2974

Account: CHRYSLER — Chrysler

Project: ET03031 — Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-1	MIP-26-58	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-2	MIP-26-35	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-3	MIP-26-25	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-4	MIP-31-60	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-5	MIP-31-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-6	MIP-31-20	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-7	MIP-18-65	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-8	MIP-18-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	

Signature : 21

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:20 PM*

Login Number: X2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-9	MIP-18-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-10	MIP-64-40	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
X2974-11	MIP-35-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-12	MIP-43-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-13	MIP-43-35	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-14	MIP-43-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-15	MIP-11-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-16	MIP-11-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : Cathy Dorr 22

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:20 PM*

Login Number: X2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
X2974-17	MIP-11-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
X2974-18	MIP-48-56	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-19	MIP-48-36	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
X2974-20	MIP-48-31	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B 25ML TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	

Signature : Sally Dry 23

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-1	MIP-46-75	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
Y2974-2	MIP-46-55	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold 01-JUL-03	40ml vial	3	Bottles	
Y2974-3	MIP-46-25	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	3	Bottles	
Y2974-4	MIP-19-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-5	MIP-19-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-6	MIP-25-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-7	MIP-25-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-8	MIP-25-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	

Signature : Cathy L. Dorie 24

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-9	MIP-24-55	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-10	MIP-24-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-11	MIP-24-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-12	MIP-15-20	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold. 02-JUL-03	40ml vial	3	Bottles	
Y2974-13	MIP-41-45	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-14	MIP-41-35	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-15	MIP-41-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Y2974-16	MIP-44-55	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : Sally Dre 25

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:26 PM*

Login Number: Y2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Y2974-17	MIP-44-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial		3	Bottles	
Y2974-18	MIP-44-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial		3	Bottles	
Y2974-19	MIP-50-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial		3	Bottles	
Y2974-20	MIP-50-30	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial		3	Bottles	

Signature : 26

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:33 PM*

Login Number: Z2974

Account: CHRYSLER — Chrysler

Project: ET03031 — Dayton Thermal - VOCs & Soils

Case: Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-1	MIP-64-30	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-2	MIP-64-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-3	MIP-65-65	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-4	MIP-65-55	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-5	MIP-65-25	18-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 02-JUL-03	40ml vial	3	Bottles	
Z2974-6	MIP-39-70	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-7	MIP-39-60	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-8	MIP-39-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : 27

Date : 6/21/03

COMPUCHEM

Login Chain of Custody Report (In01)

Jun. 21, 2003 *02:33 PM*

Login Number: Z2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-9	MIP-35-60	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-10	MIP-35-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-11	MIP-50-20	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	2	Bottles	
Z2974-12	MIP-53-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-13	MIP-67-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-14	MIP-67-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-15	MIP-67-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-16	MIP-51-50	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	

Signature : 28

Date : 6/24/03

COMPUCHEM

Login Chain of Custody Report (ln01)

Jun. 21, 2003 *02:33 PM*

Login Number: Z2974

Account: CHRYSLER Chrysler

Project: ET03031 Dayton Thermal - VOCs & Soils

Q2974

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	PR	Due Date	Comments
Z2974-17	MIP-51-40	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-18	MIP-51-25	19-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 03-JUL-03	40ml vial	3	Bottles	
Z2974-19	EB-062003	20-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 04-JUL-03	40ml vial	3	Bottles	
Z2974-20	TRIP BLANK	17-JUN-03	21-JUN-03	3	27-JUN-03	RFA ET03031**NOTE SAMPLING DATE**VOC 8260B TCL3CT + MTBE.SUB**LCS ONLY
Water	S VOA-8260B-25ML	Hold: 01-JUL-03	40ml vial	1	Bottles	

Signature : 29

Date : 6/21/03

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-062003

Project: ET03031 Date Sampled: 06/20/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-19RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

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	3	JB
75-09-2	Methylene Chloride	0.5	2	
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	0.3	JB
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	0.07	J
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB-062003

Project: ET03031 Date Sampled: 06/20/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-19

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-19RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

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	0.08	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-35-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-10R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	0.1	J
67-64-1	Acetone	3	5	B
75-09-2	Methylene Chloride	0.5	0.2	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	10	
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	0.2	JB
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.2	J
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	0.3	JB
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	0.05	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.5	0.05	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-35-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-10

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-10R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-35-60

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-9R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	0.2	J
67-64-1	Acetone	3	7	B
75-09-2	Methylene Chloride	0.5	0.2	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	12	
67-66-3	Chloroform	0.5	0.04	J
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.7	B
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	1	
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	1	B
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	0.2	J
108-38-3	m,p-Xylene	1	0.4	J
95-47-6	o-Xylene	0.5	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-35-60

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-9

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-9R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	0.06	J
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	0.6	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-20

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-8R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	6	B
75-09-2	Methylene Chloride	0.5	1	
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	0.2	J
78-93-3	2-butanone	3	9	
67-66-3	Chloroform	0.5	3	
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	JB
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	3	
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	2	B
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	0.2	J
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.5		U
108-90-7	Chlorobenzene	0.5	0.04	J
100-41-4	Ethylbenzene	0.5	0.3	J
108-38-3	m,p-Xylene	1	0.7	J
95-47-6	o-Xylene	0.5	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-20

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-8

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-8R2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

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	1	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-60

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-7B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.1	J
67-64-1	Acetone	3	7	B
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
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	0.8	
78-93-3	2-butanone	3	8	B
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	0.1	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	26	E
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	0.8	B
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	0.06	J
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	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.09	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-60

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-7B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.1	J
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	0.3	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-60DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-7D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.8		U
75-01-4	Vinyl Chloride	0.8		U
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.8		U
75-35-4	1,1-Dichloroethene	0.8		U
75-15-0	Carbon disulfide	0.8		U
67-64-1	Acetone	4	8	DB
75-09-2	Methylene Chloride	0.8	0.4	DJ
156-60-5	trans-1,2-Dichloroethene	0.8	0.09	DJ
1634-04-4	Methyl-tert-butyl ether	0.8		U
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.8	0.7	DJ
78-93-3	2-butanone	4	8	D
67-66-3	Chloroform	0.8	0.3	DJ
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	0.8		U
71-43-2	Benzene	0.8	0.2	DJB
107-06-2	1,2-Dichloroethane	0.8		U
79-01-6	Trichloroethene	0.8	24	D
78-87-5	1,2-Dichloropropane	0.8		U
75-27-4	Bromodichloromethane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.8		U
108-10-1	4-Methyl-2-pentanone	4		U
108-88-3	Toluene	0.8	0.5	DJB
10061-02-6	trans-1,3-Dichloropropene	0.8		U
79-00-5	1,1,2-Trichloroethane	0.8		U
127-18-4	Tetrachloroethene	0.8		U
591-78-6	2-hexanone	4		U
124-48-1	Dibromochloromethane	0.8		U
108-90-7	Chlorobenzene	0.8		U
100-41-4	Ethylbenzene	0.8	0.1	DJ
108-38-3	m,p-Xylene	2	0.2	DJ
95-47-6	o-Xylene	0.8	0.08	DJ

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-60DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-7

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-7D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.8		U
75-25-2---------	Bromoform	0.8		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.8		U
1330-20-7-------	Xylene (total)	0.8	0.3	DJ

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-70

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-6B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.2	J
67-64-1	Acetone	3	6	B
75-09-2	Methylene Chloride	0.5	0.2	J
156-60-5	trans-1,2-Dichloroethene	0.5	0.1	J
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	0.8	
78-93-3	2-butanone	3	10	B
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	0.2	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	29	E
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	0.9	B
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	0.08	J
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	0.1	J
108-38-3	m,p-Xylene	1	0.2	J
95-47-6	o-Xylene	0.5	0.09	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-70

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-6B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.1	J
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	0.4	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-70DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-6D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.8		U
75-01-4	Vinyl Chloride	0.8		U
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.8		U
75-35-4	1,1-Dichloroethene	0.8		U
75-15-0	Carbon disulfide	0.8	0.3	DJ
67-64-1	Acetone	4	11	DB
75-09-2	Methylene Chloride	0.8	0.2	DJ
156-60-5	trans-1,2-Dichloroethene	0.8	0.09	DJ
1634-04-4	Methyl-tert-butyl ether	0.8		U
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.8	0.8	DJ
78-93-3	2-butanone	4	9	D
67-66-3	Chloroform	0.8	0.3	DJ
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	0.8		U
71-43-2	Benzene	0.8	0.5	DJB
107-06-2	1,2-Dichloroethane	0.8		U
79-01-6	Trichloroethene	0.8	28	D
78-87-5	1,2-Dichloropropane	0.8		U
75-27-4	Bromodichloromethane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.8		U
108-10-1	4-Methyl-2-pentanone	4	2	DJ
108-88-3	Toluene	0.8	7	DB
10061-02-6	trans-1,3-Dichloropropene	0.8		U
79-00-5	1,1,2-Trichloroethane	0.8		U
127-18-4	Tetrachloroethene	0.8	0.2	DJ
591-78-6	2-hexanone	4		U
124-48-1	Dibromochloromethane	0.8		U
108-90-7	Chlorobenzene	0.8	0.04	DJ
100-41-4	Ethylbenzene	0.8	0.9	D
108-38-3	m,p-Xylene	2	2	D
95-47-6	o-Xylene	0.8	0.8	D

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-39-70DL

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-6

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-6D2B73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.8		U
75-25-2	Bromoform	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.8		U
1330-20-7	Xylene (total)	0.8	3	D

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-20

Project: Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-11B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	10	B
75-09-2	Methylene Chloride	0.5	0.3	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	5	B
67-66-3	Chloroform	0.5	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	0.06	J
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	0.2	J
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.8	
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	0.7	B
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	0.07	J
108-38-3	m,p-Xylene	1	0.07	J
95-47-6	o-Xylene	0.5		U

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-50-20

Project: Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-11

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-11B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.1	J
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	0.08	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-18RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.7		U
75-01-4	Vinyl Chloride	0.7		U
74-83-9	Bromomethane	0.7		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.7		U
75-15-0	Carbon disulfide	0.7	0.1	J
67-64-1	Acetone	4	24	B
75-09-2	Methylene Chloride	0.7	3	
156-60-5	trans-1,2-Dichloroethene	0.7		U
1634-04-4	Methyl-tert-butyl ether	0.7		U
75-34-3	1,1-Dichloroethane	0.7		U
156-59-2	cis-1,2-Dichloroethene	0.7		U
78-93-3	2-butanone	4	14	
67-66-3	Chloroform	0.7		U
71-55-6	1,1,1-Trichloroethane	0.7		U
56-23-5	Carbon Tetrachloride	0.7		U
71-43-2	Benzene	0.7	0.3	JB
107-06-2	1,2-Dichloroethane	0.7		U
79-01-6	Trichloroethene	0.7	0.04	J
78-87-5	1,2-Dichloropropane	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	4		U
108-88-3	Toluene	0.7	2	B
10061-02-6	trans-1,3-Dichloropropene	0.7		U
79-00-5	1,1,2-Trichloroethane	0.7		U
127-18-4	Tetrachloroethene	0.7		U
591-78-6	2-hexanone	4		U
124-48-1	Dibromochloromethane	0.7		U
108-90-7	Chlorobenzene	0.7	0.04	J
100-41-4	Ethylbenzene	0.7	0.2	J
108-38-3	m,p-Xylene	1	0.6	J
95-47-6	o-Xylene	0.7	0.2	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-18

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-18RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/28/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.5

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5--------	Styrene	0.7	0.1	J
75-25-2---------	Bromoform	0.7		U
79-34-5---------	1,1,2,2-Tetrachloroethane	0.7		U
1330-20-7-------	Xylene (total)	0.7	0.9	

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-17RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.2

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.6		U
75-01-4	Vinyl Chloride	0.6		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.6		U
75-35-4	1,1-Dichloroethene	0.6		U
75-15-0	Carbon disulfide	0.6		U
67-64-1	Acetone	3	25	B
75-09-2	Methylene Chloride	0.6	0.7	
156-60-5	trans-1,2-Dichloroethene	0.6		U
1634-04-4	Methyl-tert-butyl ether	0.6		U
75-34-3	1,1-Dichloroethane	0.6		U
156-59-2	cis-1,2-Dichloroethene	0.6		U
78-93-3	2-butanone	3	11	
67-66-3	Chloroform	0.6		U
71-55-6	1,1,1-Trichloroethane	0.6		U
56-23-5	Carbon Tetrachloride	0.6		U
71-43-2	Benzene	0.6	0.5	JB
107-06-2	1,2-Dichloroethane	0.6		U
79-01-6	Trichloroethene	0.6		U
78-87-5	1,2-Dichloropropane	0.6		U
75-27-4	Bromodichloromethane	0.6		U
10061-01-5	cis-1,3-Dichloropropene	0.6		U
108-10-1	4-Methyl-2-pentanone	3		U
108-88-3	Toluene	0.6	0.5	JB
10061-02-6	trans-1,3-Dichloropropene	0.6		U
79-00-5	1,1,2-Trichloroethane	0.6		U
127-18-4	Tetrachloroethene	0.6		U
591-78-6	2-hexanone	3		U
124-48-1	Dibromochloromethane	0.6		U
108-90-7	Chlorobenzene	0.6		U
100-41-4	Ethylbenzene	0.6	0.07	J
108-38-3	m,p-Xylene	1	0.1	J
95-47-6	o-Xylene	0.6	0.07	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-40

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-17

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-17RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.2

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.6		U
75-25-2	Bromoform	0.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.6		U
1330-20-7	Xylene (total)	0.6	0.2	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-50

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-16RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
74-87-3	Chloromethane	0.8		U
75-01-4	Vinyl Chloride	0.8		U
74-83-9	Bromomethane	0.8		U
75-00-3	Chloroethane	0.8		U
75-35-4	1,1-Dichloroethene	0.8		U
75-15-0	Carbon disulfide	0.8	0.1	J
67-64-1	Acetone	4	42	B
75-09-2	Methylene Chloride	0.8	0.7	J
156-60-5	trans-1,2-Dichloroethene	0.8		U
1634-04-4	Methyl-tert-butyl ether	0.8		U
75-34-3	1,1-Dichloroethane	0.8		U
156-59-2	cis-1,2-Dichloroethene	0.8		U
78-93-3	2-butanone	4	16	
67-66-3	Chloroform	0.8		U
71-55-6	1,1,1-Trichloroethane	0.8		U
56-23-5	Carbon Tetrachloride	0.8		U
71-43-2	Benzene	0.8	0.6	JB
107-06-2	1,2-Dichloroethane	0.8		U
79-01-6	Trichloroethene	0.8		U
78-87-5	1,2-Dichloropropane	0.8		U
75-27-4	Bromodichloromethane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.8		U
108-10-1	4-Methyl-2-pentanone	4		U
108-88-3	Toluene	0.8	0.6	JB
10061-02-6	trans-1,3-Dichloropropene	0.8		U
79-00-5	1,1,2-Trichloroethane	0.8		U
127-18-4	Tetrachloroethene	0.8		U
591-78-6	2-hexanone	4		U
124-48-1	Dibromochloromethane	0.8		U
108-90-7	Chlorobenzene	0.8		U
100-41-4	Ethylbenzene	0.8	0.1	J
108-38-3	m,p-Xylene	2	0.2	J
95-47-6	o-Xylene	0.8	0.09	J

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-51-50

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-16

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-16RB73

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/27/03

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.7

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

CAS NO.	COMPOUND	REPORTING LIMIT	CONC UNITS: UG/L	Q
100-42-5	Styrene	0.8		U
75-25-2	Bromoform	0.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.8		U
1330-20-7	Xylene (total)	0.8	0.3	J

FORM I VOA 8260B

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-53-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-12B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	64	B
75-09-2	Methylene Chloride	0.5	1	
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	37	B
67-66-3	Chloroform	0.5	2	
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon Tetrachloride	0.5		U
71-43-2	Benzene	0.5	2	
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5	0.5	
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	7	B
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	1	
108-38-3	m,p-Xylene	1	2	
95-47-6	o-Xylene	0.5	0.7	

1ACC
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MIP-53-25

Project: ET03031 Date Sampled: 06/19/03

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: Z2974

Matrix: (soil/water) WATER Lab Sample ID: Z2974-12

Sample wt/vol: 25 (g/ml) ML Lab File ID: Z2974-12B71

Level: (low/med) LOW Date Received: 06/21/03

% Moisture: not dec. _____ Date Analyzed: 06/26/03

GC Column: SPB-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	0.3	J
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	2	

FORM I VOA 8260B