Inchcape Testing Services
Environmental Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604163
Date Received : 04/15/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9604163- 1	MW-1
9604163- 2	MW-2
9604163- 3	MW-3
9604163- 4	MW-4
9604163- 5	BLANK

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Project Manager

4/25/96
Date

This report consists of 20 pages.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604163
Date Received : 04/15/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9604163- 1	MW-1	WATER	04/13/96	TPHgBTEX
9604163- 2	MW-2	WATER	04/13/96	TPHgBTEX
9604163- 3	MW-3	WATER	04/13/96	TPHgBTEX
9604163- 4	MW-4	WATER	04/13/96	TPHgBTEX
9604163- 5	BLANK	WATER	04/13/96	TPHgBTEX

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604163
Date Received : 04/15/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The relative percent difference between the primary and confirmation concentrations for total xylenes for sample BLANK is greater than the internal quality control limit of 25%. The lower of the two values is reported.

Department Supervisor 4/24/96 Date

Chemist 04-24-96 Date

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9604163-01	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	MW-1
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/19/96	Surrogate Recovery:	109%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
[redacted]E	1000	5000	[redacted]D
Benzene	1000	500	1300
Toluene	1000	500	2900
Ethylbenzene	1000	500	2100
Total Xylenes	1000	500	10000
Gasoline	1000	50000	53000

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9604163-02	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	MW-2
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/20/96	Surrogate Recovery:	110%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	100	500	**520**
Benzene	100	50	1900
Toluene	100	50	370
Ethylbenzene	100	50	2300
Total Xylenes	100	50	2400
Gasoline	100	5000	30000

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

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TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9604163-03	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	MW-3
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/19/96	Surrogate Recovery:	106%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	500	2500	ND
Benzene	500	250	7600
Toluene	500	250	3600
Ethylbenzene	500	250	2800
Total Xylenes	500	250	9400
Gasoline	500	25000	48000

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

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TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9604163-04	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	MW-4
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/22/96	Surrogate Recovery:	99%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	1000	5000	ND
Benzene	1000	500	820
Toluene	1000	500	3600
Ethylbenzene	1000	500	2800
Total Xylenes	1000	500	12000
Gasoline	1000	50000	58000

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	9604163-05	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	BLANK
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/19/96	Surrogate Recovery:	111%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	1	5.0	ND
Benzene	1	0.5	ND
Toluene	1	0.5	0.7
Ethylbenzene	1	0.5	ND
Total Xylenes	1	0.5	0.8
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BA1802E1	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	[redacted] Blank
Date Sampled:	-----	Instrument ID:	HP12
Date Analyzed:	4/18/96	Surrogate Recovery:	102%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	1	5.0	ND
Benzene	1	0.5	ND
Toluene	1	0.5	ND
Ethylbenzene	1	0.5	ND
Total Xylenes	1	0.5	ND
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BA2001E1	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	[redacted]
Date Sampled:	-----	Instrument ID:	HP12
Date Analyzed:	4/20/96	Surrogate Recovery:	106%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	1	5.0	ND
Benzene	1	0.5	ND
Toluene	1	0.5	ND
Ethylbenzene	1	0.5	ND
Total Xylenes	1	0.5	ND
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

DATA SUMMARY FORM

Anametrix ID:	BA2201E1	Client Project ID:	GERMAN AUTOCRAFT
Matrix:	WATER	Client Sample ID:	[redacted]
Date Sampled:	-----	Instrument ID:	HP12
Date Analyzed:	4/22/96	Surrogate Recovery:	108%
Date Released:	4/24/96	Concentration Units:	ug/L

COMPOUND	Dilution Factor	Reporting Limit	Amount Found
MtBE	1	5.0	ND
Benzene	1	0.5	ND
Toluene	1	0.5	ND
Ethylbenzene	1	0.5	ND
Total Xylenes	1	0.5	ND
Gasoline	1	50	ND

ND: Not detected at or above the reporting limit for the method.

TPHg: Total Petroleum Hydrocarbons as gasoline is determined by GC/FID (modified EPA Method 8015) following sample purge and trap by EPA Method 5030

BTEX: BTEX as Methyl tert-Butyl Ether, Benzene, Toluene, Ethylbenzene, and Total Xylenes is determined by GC/PID (modified EPA Method 8021) following sample purge and trap by EPA Method 5030.

Surrogate recovery quality control limits for p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services approved methods.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

MATRIX SPIKE RECOVERY REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	9604163-04
Client Sample ID:	MW-4	Date Released:	4/24/96
Date Sampled:	4/13/96	Instrument ID:	HP12
Date Analyzed:	4/22/96	Matrix:	WATER
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	SAMPLE CONC	MS CONC	% REC MS	MSD CONC	%REC MSD	RPD
Gasoline	500000	58000	514000	91%	541000	97%	5%
p-Bromofluorobenzene				101%		104%	

Quality control limits for MS/MSD recovery are 48-149%

Quality control limits for RPD(relative percent difference) are +/- 30%

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	MA1801E1
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/18/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
Gasoline	500	530	106%
p-Bromofluorobenzene			109%

Quality control limits for LCS recovery are 67-127%.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	NA1801E3
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/18/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
MtBE	10.0	12.2	122%
Benzene	10.0	13.4	134%
Toluene	10.0	13.6	136%
Ethylbenzene	10.0	13.7	137%
Total Xylenes	10.0	13.7	137%
p-Bromofluorobenzene			101%

Quality control limits for LCS recovery are 50-150% for MtBE, 52-133% for benzene, 57-136% for toluene, 56-139% for ethylbenzene, and 56-141% for total xylenes.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	MA2001E1
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/20/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
Gasoline	500	470	94%
p-Bromofluorobenzene			112%

Quality control limits for LCS recovery are 67-127%.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	NA2002E3
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/20/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
MtBE	10.0	10.1	101%
Benzene	10.0	10.3	103%
Toluene	10.0	10.4	104%
Ethylbenzene	10.0	10.6	106%
Total Xylenes	10.0	10.6	106%
p-Bromofluorobenzene			107%

Quality control limits for LCS recovery are 50-150% for MtBE, 52-133% for benzene, 57-136% for toluene, 56-139% for ethylbenzene, and 56-141% for total xylenes.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	MA2201E1
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/22/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
Gasoline	500	460	92%
p-Bromofluorobenzene			104%

Quality control limits for LCS recovery are 67-127%.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE WITH BTEX

INCHCAPE TESTING SERVICES - ANAMETRIX

(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Client Project ID:	GERMAN AUTOCRAFT	Anametrix ID:	NA2202E3
Matrix:	WATER	Date Released:	4/24/96
Date Analyzed:	4/22/96	Instrument ID:	HP12
		Concentration Units:	ug/L

COMPOUND NAME	SPIKE AMT	LCS CONC	%REC LCS
MtBE	10.0	8.2	82%
Benzene	10.0	8.5	85%
Toluene	10.0	8.9	89%
Ethylbenzene	10.0	9.0	90%
Total Xylenes	10.0	9.1	91%
p-Bromofluorobenzene			102%

Quality control limits for LCS recovery are 50-150% for MtBE, 52-133% for benzene, 57-136% for toluene, 56-139% for ethylbenzene, and 56-141% for total xylenes.

Quality control limits for p-Bromofluorobenzene recovery are 61-139%.

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive, Suite E
San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

9604163 (18)

CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
	German Autocraft.

Send Report Attention of:	Report Due	Verbal Due
Tom Price	Standard	/ /

	Sample Number	Date	Time	Comp	Matrix	Station Location	Number of Cntnrs	Type of Containers	BTEX/TPHg	Condition of Samples	Initial
1	MW-1	4/13/96	355		H2O		3	VOAs	✓		
2	MW-2	"	5:00		↓		"	"	✓	3 of 3 VOAs c̄ bubbles	
3	MW-3	"	537		↓		"	"	✓	↓	
5	Blank	"	5:45		↓		"	"	✓	1 of 3 VOAs c̄ bubbles	
4	MW-4	"	3:00		↓		"	"	✓	↓	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Tom Price	4/15/96 8:36		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by Lab:	Date/Time
			4/15/96 2036

Remarks: Normal Turn Around Time. Especially look for MTBE! Thanks.

COMPANY: Environmental Testing & Mgmt.
ADDRESS: 2916 Magliocco Dr. #2
PHONE (408) 248-5892 FAX :

Inchcape Testing Services
Environmental Laboratories

SAMPLE RECEIVING CHECKLIST

Workorder Number: 9604163 **Client Project ID:** German Autocraft

Cooler

Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO	(N/A)
Custody Seal on the outside of cooler? Condition: Intact Broken	YES	NO	(N/A)
Temperature of sample(s) within range? List temperatures of cooler(s): 5oC Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	(YES)	NO	N/A

Samples

Chain of custody seal present for each container? Condition: Intact Broken	YES	NO	(N/A)
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested? Condition of containers: Intact ✓ Broken ____ If NO, were samples transferred to proper container(s)?	(YES)	NO	
Were VOA containers received with zero headspace? If NO, was it noted on the chain of custody?	YES	(NO)	N/A
Were container labels complete? (ID, date, time, preservative)	(YES)	NO	N/A
Were samples properly preserved? If NO, was the preservative added at time of receipt?	(YES)	NO	N/A
pH check of samples required at time of receipt? If YES, pH checked and recorded by:	YES	(NO)	
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified?	(YES)	NO	
Field blanks received with sample batch?	YES	NO	(N/A)
Trip blanks received with sample batch?	(YES)	NO	N/A

Chain of Custody

Chain of custody form received with samples?	(YES)	NO
Has it been filled out completely and in ink?	(YES)	NO
Sample IDs on chain of custody form agree with labels?	(YES)	NO
Number of containers on chain agree with number received?	(YES)	NO
Analysis methods specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date?	(YES)	NO
Turnaround time? Standard ✓ Rush ____		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: [signature] Date: 4/15/96 Project Manager: [signature] Date: 4/16/96

Inchcape Testing Services
Environmental Laboratories

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Fax: 408-432-8198

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604317
Date Received : 04/29/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A

The following samples were received at Inchcape for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9604317- 1	MW-2
9604317- 2	EQUIP.B.

This report is organized in sections according to the specific Inchcape laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Inchcape cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Inchcape is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Project Manager

5/10/96
Date

This report consists of 11 pages.

GC/MS REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)
OADS forms contain tabulated results for target compounds. The OADS are grouped by method and within each method, organized sequentially in order of increasing Inchcape Testing Services ID Number.

Tentatively Identified Compounds (TICs)
TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted to Inchcape Testing Services. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)
SRS forms contain quality assurance data. An SRS form will be printed for each method. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*" and the total number of surrogates outside the limits will be listed in the column labeled "Total Out."

Matrix Spike Recovery, Laboratory Control Sample Forms
These forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes, laboratory control samples and their duplicates. This information is a statement of accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*".

Qualifiers
Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- **U** - Indicates that the compound was analyzed but not detected at or above the specified reporting limit.
- **B** - Indicates that the compound was detected in the associated method blank.
- **J** - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an estimated value.
- **E** - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- **D** - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- **A** - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report form. However, the report cover letter and report summary pages do display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., <u>not</u> corrected for method blank contamination.

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604317
Date Received : 04/29/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

INCHCAPE SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9604317- 1	MW-2	WATER	04/29/96	8240
9604317- 2	EQUIP.B.	WATER	04/29/96	8240

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID	: GERMAN AUTOCRAFT	Anametrix ID	: 9604317-01
Sample ID	: MW-2	Lab File ID	: MPA31701
Matrix	: WATER		
Date Sampled	: 04/25/96	% Moisture	:
Date Analyzed	: 05/04/96	Dilution Factor	: 5.0
Instrument ID	: msd6.i	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	50	ND	U
74-83-9	Bromomethane	50	ND	U
75-01-4	Vinyl Chloride	50	ND	U
75-00-3	Chloroethane	50	ND	U
75-09-2	Methylene Chloride	25	ND	U
67-64-1	Acetone	100	ND	U
75-15-0	Carbon Disulfide	25	ND	U
75-35-4	1,1-Dichloroethene	25	ND	U
75-34-3	1,1-Dichloroethane	25	ND	U
156-59-2	**Cis-1,2-Dichloroethene**	25	**25**	
67-66-3	Chloroform	25	ND	U
107-06-2	1,2-Dichloroethane	25	ND	U
78-93-3	2-Butanone	100	ND	U
71-55-6	1,1,1-Trichloroethane	25	ND	U
56-23-5	Carbon Tetrachloride	25	ND	U
75-27-4	Bromodichloromethane	25	ND	U
78-87-5	1,2-Dichloropropane	25	ND	U
10061-01-5	cis-1,3-Dichloropropene	25	ND	U
79-01-6	Trichloroethene	25	ND	U
124-48-1	Dibromochloromethane	25	ND	U
79-00-5	1,1,2-Trichloroethane	25	ND	U
71-43-2	**Benzene**	25	**930**	
10061-02-6	trans-1,3-Dichloropropene	25	ND	U
75-25-2	Bromoform	25	ND	U
108-10-1	4-Methyl-2-Pentanone	50	ND	U
591-78-6	2-Hexanone	50	ND	U
127-18-4	Tetrachloroethene	25	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	25	ND	U
108-88-3	Toluene	25	ND	U
108-90-7	Chlorobenzene	25	ND	U
100-41-4	**Ethylbenzene**	25	**1200**	
100-42-5	**Styrene**	25	ND	U
1330-20-7	**Xylene (Total)**	25	**1400**	
108-05-4	Vinyl acetate	25	ND	U
75-69-4	Trichlorofluoromethane	25	ND	U
76-13-1	Trichlorotrifluoroethane	25	ND	U
156-60-5	Trans-1,2-dichloroethene	25	ND	U
541-73-1	1,3-Dichlorobenzene	25	ND	U
106-46-7	1,4-Dichlorobenzene	25	ND	U
95-50-1	1,2-Dichlorobenzene	25	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID	: GERMAN AUTOCRAFT	Anametrix ID	: 9604317-02
Sample ID	: EQUIP.B.	Lab File ID	: MPA31702
Matrix	: WATER		
Date Sampled	: 04/29/96	% Moisture	:
Date Analyzed	: 05/04/96	Dilution Factor	: 1.0
Instrument ID	: msd6.i	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	5	
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

REPORT SUMMARY
INCHCAPE, INC. (408)432-8192

MR. TOM PRICE
ENVIRONMENTAL TESTING & MGMT.
2916 MAGLIOCCO DR. SUITE 2
SAN JOSE, CA 95128

Workorder # : 9604317
Date Received : 04/29/96
Project ID : GERMAN AUTOCRAFT
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- Sample MW-2 was analyzed at a 5 fold dilution for the EPA Method 8240 based on screen results.

Department Supervisor 5-9-96 Date

Chemist Linda Atienza 5/9/96 Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID	: GERMAN AUTOCRAFT	Anametrix ID	: BY0402A2
Sample ID	: VBLKCM	Lab File ID	: BY0402A2
Matrix	: WATER		
Date Sampled	:	% Moisture	:
Date Analyzed	: 05/04/96	Dilution Factor	: 1.0
Instrument ID	: msd6.i	Conc. Units	: ug/L

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10	ND	U
74-83-9	Bromomethane	10	ND	U
75-01-4	Vinyl Chloride	10	ND	U
75-00-3	Chloroethane	10	ND	U
75-09-2	Methylene Chloride	5	ND	U
67-64-1	Acetone	20	ND	U
75-15-0	Carbon Disulfide	5	ND	U
75-35-4	1,1-Dichloroethene	5	ND	U
75-34-3	1,1-Dichloroethane	5	ND	U
156-59-2	Cis-1,2-Dichloroethene	5	ND	U
67-66-3	Chloroform	5	ND	U
107-06-2	1,2-Dichloroethane	5	ND	U
78-93-3	2-Butanone	20	ND	U
71-55-6	1,1,1-Trichloroethane	5	ND	U
56-23-5	Carbon Tetrachloride	5	ND	U
75-27-4	Bromodichloromethane	5	ND	U
78-87-5	1,2-Dichloropropane	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	5	ND	U
79-01-6	Trichloroethene	5	ND	U
124-48-1	Dibromochloromethane	5	ND	U
79-00-5	1,1,2-Trichloroethane	5	ND	U
71-43-2	Benzene	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	5	ND	U
75-25-2	Bromoform	5	ND	U
108-10-1	4-Methyl-2-Pentanone	10	ND	U
591-78-6	2-Hexanone	10	ND	U
127-18-4	Tetrachloroethene	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5	ND	U
108-88-3	Toluene	5	ND	U
108-90-7	Chlorobenzene	5	ND	U
100-41-4	Ethylbenzene	5	ND	U
100-42-5	Styrene	5	ND	U
1330-20-7	Xylene (Total)	5	ND	U
108-05-4	Vinyl acetate	5	ND	U
75-69-4	Trichlorofluoromethane	5	ND	U
76-13-1	Trichlorotrifluoroethane	5	ND	U
156-60-5	Trans-1,2-dichloroethene	5	ND	U
541-73-1	1,3-Dichlorobenzene	5	ND	U
106-46-7	1,4-Dichlorobenzene	5	ND	U
95-50-1	1,2-Dichlorobenzene	5	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID : GERMAN AUTOCRAFT Anametrix ID : 9604317
Matrix : WATER

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	VBLKCM	95	95	91		0
02	VLCSL3	93	94	89		0
03	VLCSDRR	93	93	90		0
04	EQUIP.B.	94	94	90		0
05	MW-2	91	93	89		0
06						
07						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(70-130)
SMC2 (BFB) = Bromofluorobenzene	(70-130)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

LAB CONTROL SAMPLE FORM -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

Project ID : GERMAN AUTOCRAFT
Sample ID : VBLKCM
Matrix : WATER
Date Sampled :
Prep. Batch ID : msd06y04a2a
Date Analyzed : 05/04/96
Instrument ID : msd6.i

Lab File ID : MY0401A2/NY0401A2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	72-145
Trichloroethene	50	0.0	50	100	61-140
Benzene	50	0.0	54	108	83-125
Toluene	50	0.0	52	104	82-123
Chlorobenzene	50	0.0	50	100	82-125

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	46	92	8	25	72-145
Trichloroethene	50	46	92	8	25	61-140
Benzene	50	50	100	8	25	83-125
Toluene	50	48	96	8	25	82-123
Chlorobenzene	50	46	92	8	25	82-125

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive, Suite E
San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

9604317 (18)

CHAIN-OF-CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME	Number of Cntnrs	Type of Containers	Type of Analysis: 8240	Condition of Samples	Initial
	German Autocraft					

Send Report Attention of: Tom Price | Report Due: Normal | Verbal Due: / /

	Sample Number	Date	Time	Comp	Matrix	Station Location	Number of Cntnrs	Type of Containers	8240	Condition of Samples	Initial
(1)	MW-2	4/29/96	1502		W	2 VOAs w bubbles	2	VOAs	X		
(2)	Eq. Blank	"	1745		W	3 VOAs w bubbles	3		X	(No charge)	

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Tom Price	4/29/96 5:12PM.		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by Lab:	Date/Time
			4/29/96 1911

Remarks:

COMPANY: Environmental Testing & Mgmt.
ADDRESS: 2916 Mogliocco Dr. Suite # 2
PHONE : San Jose CA FAX : 95128

Inchcape Testing Services
Environmental Laboratories

SAMPLE RECEIVING CHECKLIST

Workorder Number: 9604317 **Client Project ID:** German Autocraft

Cooler

Shipping documentation present? If YES, enter Carrier and Airbill #:	YES	NO	(N/A)
Custody Seal on the outside of cooler? Condition: Intact ____ Broken ____	YES	NO	(N/A)
Temperature of sample(s) within range? List temperatures of cooler(s): 4a Note: If all samples taken within previous 4 hr, circle N/A and place in sample storage area as soon as possible.	YES	NO	(N/A)

Samples

Chain of custody seal present for each container? Condition: Intact ____ Broken ____	YES	NO	(N/A)
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested? Condition of containers: Intact ✓ Broken ____ If NO, were samples transferred to proper container(s)?	(YES)	NO	
Were VOA containers received with zero headspace? If NO, was it noted on the chain of custody? Yes	YES	(NO)	N/A
Were container labels complete? (ID, date, time, preservative)	(YES)	NO	N/A
Were samples properly preserved? If NO, was the preservative added at time of receipt?	(YES)	NO	N/A
pH check of samples required at time of receipt? If YES, pH checked and recorded by:	YES	(NO)	
Sufficient amount of sample received for methods requested? If NO, has the client or PM been notified?	(YES)	NO	
Field blanks received with sample batch?	YES	NO	(N/A)
Trip blanks received with sample batch?	YES	NO	(N/A)

Chain of Custody

Chain of custody form received with samples?	(YES)	NO
Has it been filled out completely and in ink?	(YES)	NO
Sample IDs on chain of custody form agree with labels?	(YES)	NO
Number of containers on chain agree with number received?	(YES)	NO
Analysis methods specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier and custodian in appropriate spaces? With time and date?	(YES)	NO
Turnaround time? Standard ✓ Rush ____		

Any NO responses and/or any BROKEN that was checked must be detailed in a Corrective Action Form.

Sample Custodian: _____ Date: 5/2/96 Project Manager: _____ Date: 5/2/96

f:\forms\newscr.doc

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID	: GERMAN AUTOCRAFT	Anametrix ID	: 9604317-01
Sample ID	: MW-2	Lab File ID	: MPA31701
Matrix	: WATER		
Date Sampled	: 04/29/96	% Moisture	:
Date Analyzed	: 05/04/96	Dilution Factor	: 5.0
Instrument ID	: msd6.i	Conc. Units	: ug/L

	CAS NUMBER	COMPOUND NAME	RET TIME	ESTIMATED CONC.	Q
1.	103-65-1	BENZENE, PROPYL-	18.08	120	N
2.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.28	130	N
3.	95-36-3	1,2,4-TRIMETHYLBENZENE	18.39	81	N
4.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	18.73	80	N
5.	95-36-3	1,2,4-TRIMETHYLBENZENE	19.02	370	N
6.	637-50-3	BENZENE, 1-PROPENYL-	20.05	240	N
7.	141-93-5	BENZENE, 1,3-DIETHYL-	20.16	120	N
8.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	20.64	84	N
9.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	20.80	130	N
10.	824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	22.28	100	N
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FAX MEMO
PAGES 3 DATE 5/14 FAX (510) 232-9335
TO Scott Seery / ACDEH
FROM Tonya Price - German Autocraft
CO. Environmental Testing & Mgmt
PH (408) 248-5892 FAX # (408) 248-5899

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : GERMAN AUTOCRAFT
Sample ID : EQUIP.B.
Matrix : WATER
Date Sampled : 04/29/96
Date Analyzed : 05/04/96
Instrument ID : msd6.i

Anametrix ID : 9604317-02
Lab File ID : MDA21702

% Moisture :
Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	RET TIME	ESTIMATED CONC.	Q
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES
(408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID	: GERMAN AUTOCRAFT	Anametrix ID	: BY0402A2
Sample ID	: VBLKCM	Lab File ID	: BY0402A2
Matrix	: WATER		
Date Sampled	:	% Moisture	:
Date Analyzed	: 05/04/96	Dilution Factor	: 1.0
Instrument ID	: mad6.i	Conc. Units	: ug/L

	CAS NUMBER	COMPOUND NAME	RET TIME	ESTIMATED CONC.	Q
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