


LEVINE•FRICKE FACSIMILE COVER SHEET

Date									
Time	 <div style="float: right; border: 1px solid black; padding: 2px;">No. of Pages <u>22</u></div>								
Deliver to	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">To <u>[Redacted]</u></td> <td style="width: 50%;">From <u>Rong</u></td> </tr> <tr> <td>Co</td> <td>Emeryville Office</td> </tr> <tr> <td>Dept</td> <td>Phone No. (510) 652-4500</td> </tr> <tr> <td>Fax No. <u>337-9432</u></td> <td>Fax No. (510) 652-2246</td> </tr> </table>	To <u>[Redacted]</u>	From <u>Rong</u>	Co	Emeryville Office	Dept	Phone No. (510) 652-4500	Fax No. <u>337-9432</u>	Fax No. (510) 652-2246
To <u>[Redacted]</u>	From <u>Rong</u>								
Co	Emeryville Office								
Dept	Phone No. (510) 652-4500								
Fax No. <u>337-9432</u>	Fax No. (510) 652-2246								
Name of Firm									
Fax Phone No.	L•F Project No.								
From									

NUMBER OF PAGES: This cover page plus _____ page(s)

For voice contact call: (510) 652-4500

For return Facsimile message: (510) 652-4906

Telecopy Operator: _____

Any questions or inquiries about missing pages or unreadable copy, please call (510)652-4500

Remarks _____

Lab Sheets

RECEIVED
SEP 02 1994

ENVIRONMENTAL HEALTH SERVICES
NORTH COUNTY

1900 POWELL STREET, 12TH FLOOR
EMERYVILLE, CA 94608
(510) 652-4500

Other offices in Irvine, CA; Sacramento/Roseville, CA; Tallahassee, FL; and Honolulu, HI



Inchcape Testing Services

Anamatrix Laboratories

1981 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. RON GOLOUBOW
LEVINE-FRICKE
1900 POWELL STREET 12TH FLOOR
EMERYVILLE, CA 94608

Workorder # : 9408101
Date Received : 08/09/94
Project ID : 1649.06
Purchase Order: N/A

The following samples were received at Anamatrix for analysis :

ANAMATRIX ID	CLIENT SAMPLE ID
9408101- 1	TESTPIT1
9408101- 2	TESTPIT2
9408101- 3	TESTPIT3
9408101- 4	TESTPIT4
9408101- 5	TESTPIT5

This report is organized in sections according to the specific Anamatrix 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 Anamatrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

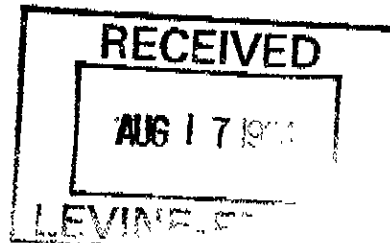
Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call us as soon as possible. Thank you for using Anamatrix.

Doug Robbins
Doug Robbins
Laboratory Director

8-15-94
Date

This report consists of 12 pages.



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

MR. RON GOLOUBOW
 LEVINE-FRICKE
 1900 POWELL STREET 12TH FLOOR
 EMERYVILLE, CA 94608

Workorder # : 9408101
 Date Received : 08/09/94
 Project ID : 1649.06
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9408101- 1	TESTPIT1	SOIL	08/09/94	TPHd
9408101- 2	TESTPIT2	SOIL	08/09/94	TPHd
9408101- 3	TESTPIT3	SOIL	08/09/94	TPHd
9408101- 4	TESTPIT4	SOIL	08/09/94	TPHd
9408101- 5	TESTPIT5	SOIL	08/09/94	TPHd

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

MR. RON GOLOUBOW
 LEVINE-FRICKE
 1900 POWELL STREET 12TH FLOOR
 EMERYVILLE, CA 94608

Workorder # : 9408101
 Date Received : 08/09/94
 Project ID : 1649.06
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as diesel for sample TESTPIT2 is due to the presence of a combination of a heavier petroleum product of hydrocarbon range C18-C36 (possibly motor oil) and a lighter petroleum product of hydrocarbon range C6-C12 (possibly gasoline).
- The concentration reported as diesel for sample TESTPIT3 is due to the presence of a combination of diesel and a heavier petroleum product of hydrocarbon range C18-C36 (possibly motor oil).

Cheryl Baerman
 Department Supervisor

8/12/94
 Date

(RRJ)
 Chemist

08/12/94
 Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.: 9408101
Matrix : SOIL
Date Sampled : 08/09/94
Date Extracted: 08/10/94

Project Number : 1649.06
Date Released : 08/12/94
Instrument I.D.: HP23

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)	Surrogate %Rec
9408101-01	TESTPIT1	08/11/94	10	ND	90%
9408101-02	TESTPIT2	08/11/94	50	160	72%
9408101-03	TESTPIT3	08/11/94	100	390	104%
9408101-04	TESTPIT4	08/11/94	10	ND	95%
9408101-05	TESTPIT5	08/11/94	10	ND	81%
BG10H1F1	METHOD BLANK	08/10/94	10	ND	93%

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
The surrogate recovery limits for o-terphenyl are 55-129%.

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID following sample extraction by EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

CPK
Analyst

08/12/94
Date

Cheryl Bulmer
Supervisor

8/12/94
Date

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
 EPA METHOD 3550 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 1649.06 TESTPIT1
 Matrix : SOIL
 Date Sampled : 08/09/94
 Date Extracted: 08/10/94
 Date Analyzed : 08/11/94

Anamatrix I.D. : 9408101-01
 Analyst : *SP*
 Supervisor : *CO*
 Date Released : 08/12/94
 Instrument I.D.: HP23

COMPOUND	SPIKE AMT (mg/Kg)	SAMPLE CONC (mg/Kg)	REC MS (mg/Kg)	% REC MS	REC MD (mg/Kg)	% REC MD	RPD	% REC LIMITS *
DIESEL	62.5	0	72.4	116%	73.7	118%	2%	32-143
SURROGATE				102%		107%		55-129

* Quality control limits established by Anamatrix, Inc.

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 3550 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : SOIL
 Date Sampled : N/A
 Date Extracted: 08/10/94
 Date Analyzed : 08/10/94

Anamatrix I.D. : MG10H1F1
 Analyst : ⁸⁰⁰
 Supervisor : ²⁰
 Date Released : 08/12/94
 Instrument I.D.: HP23

COMPOUND	SPIKE AMT (mg/Kg)	REC LCS (mg/Kg)	% REC LCS	% REC LIMITS *
DIESEL	62.5	70.8	113%	48-113
SURROGATE			103%	55-129

* Quality control limits established by Anamatrix, Inc.

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

MR. RON GOLOUBOW
LEVINE-FRICKE
1900 POWELL STREET 12TH FLOOR
EMERYVILLE, CA 94608

Workorder # : 9408101
Date Received : 08/09/94
Project ID : 1649.06
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9408101- 1	TESTPIT1	SOIL	08/09/94	5520EF
9408101- 2	TESTPIT2	SOIL	08/09/94	5520EF
9408101- 3	TESTPIT3	SOIL	08/09/94	5520EF
9408101- 4	TESTPIT4	SOIL	08/09/94	5520EF
9408101- 5	TESTPIT5	SOIL	08/09/94	5520EF

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES (408) 432-8192

PROJECT # : 1649.06 ANAMETRIX I.D. : 9408101
 MATRIX : SOIL ANALYST : RJA
 DATE SAMPLED : 08/09/94 SUPERVISOR : SL
 DATE EXTRACTED : 08/10/94 DATE RELEASED : 08/11/94
 DATE ANALYZED : 08/11/94

WORKORDER #	SAMPLE I.D.	REPORTING LIMIT (mg/Kg)	AMOUNT FOUND (mg/Kg)
9408101-01	TESTPIT1	30	47
9408101-02	TESTPIT2	30	820
9408101-03	TESTPIT3	30	2,000
9408101-04	TESTPIT4	30	57
9408101-05	TESTPIT5	30	ND
BG10H1W9	METHOD BLANK	30	ND

ND - Not detected above the reporting limit for the method.

TRPH - Total Recoverable Petroleum Hydrocarbons are determined by Standard Method 5520EF, 18th edition.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

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

MR. RON GOLOUBOW
LEVINE-FRICKE
1900 POWELL STREET 12TH FLOOR
EMERYVILLE, CA 94608

Workorder # : 9408101
Date Received : 08/09/94
Project ID : 1649.06
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems were encountered for these samples.

D. R. DeW 8/11/94
Department Supervisor Date

[Signature] 8/12/94
Chemist Date

LAB CONTROL SAMPLE REPORT - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES (408) 432-8192

SAMPLE ID : LAB CONTROL SAMPLE
 MATRIX : SOIL
 DATE EXTRACTED : 08/10/94
 DATE ANALYZED : 08/11/94

ANAMETRIX I.D. : MG10H1W9
 ANALYST : *PG*
 SUPERVISOR : *SW*
 DATE RELEASED : 08/12/94

COMPOUND	SPIKE AMT. (mg/Kg)	LCS (mg/Kg)	%REC LCS	REC LIMITS
MOTOR OIL	300	240	80	44-128

* Quality control limits established by Anametrix Laboratories.

TRPH - Total Recoverable Petroleum Hydrocarbons are determined by Standard Method 5520EF.



Inchcape Testing Services

Anamatrix Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95151
 Tel: 408-432-8192
 Fax: 408-432-8198

MR. RON GOLOUBOW
 LEVINE-FRICKE
 1900 POWELL STREET 12TH FLOOR
 EMERYVILLE, CA 94608

Workorder # : 9408100
 Date Received : 08/09/94
 Project ID : 1649.06
 Purchase Order: N/A

The following samples were received at Anamatrix for analysis :

ANAMATRIX ID	CLIENT SAMPLE ID
9408100- 1	TOYS 1
9408100- 2	TOYS 2

This report is organized in sections according to the specific Anamatrix 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 Anamatrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

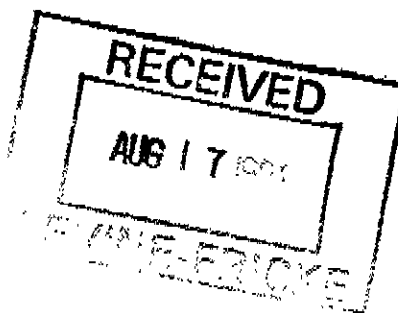
Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call us as soon as possible. Thank you for using Anamatrix.

Doug Robbins for
 Doug Robbins
 Laboratory Director

8-15-94
 Date

This report consists of 10 pages.



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

MR. RON GOLOUBOW
 LEVINE-FRICKE
 1900 POWELL STREET 12TH FLOOR
 EMERYVILLE, CA 94608

Workorder # : 9408100
 Date Received : 08/09/94
 Project ID : 1649.06
 Purchase Order: N/A
 Department : GC
 Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9408100- 1	TOYS 1	SOIL	08/09/94	TPHd
9408100- 2	TOYS 2	SOIL	08/09/94	TPHd

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

MR. RON GOLOUBOW
LEVINE-FRICKE
1900 POWELL STREET 12TH FLOOR
EMERYVILLE, CA 94608

Workorder # : 9408100
Date Received : 08/09/94
Project ID : 1649.06
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Palmer 8/12/94
Department Supervisor Date

CRide 08/12/94
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.: 9408100
Matrix : SOIL
Date Sampled : 08/09/94
Date Extracted: 08/10/94

Project Number : 1649.06
Date Released : 08/12/94
Instrument I.D.: HP23

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)	Surrogate %Rec
9408100-01	TOYS 1	08/11/94	10	ND	91%
9408100-02	TOYS 2	08/10/94	10	ND	81%
BG10H1F1	METHOD BLANK	08/10/94	10	ND	93%

Note : Reporting limit is obtained by multiplying the dilution factor times 10 mg/Kg.
The surrogate recovery limits for o-terphenyl are 55-129%.

ND - Not detected at or above the practical quantitation limit for the method.
TPHD - Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID following sample extraction by EPA Method 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

CP Patel 08/12/94
Analyst Date

Cheryl Balman 8/13/94
Supervisor Date

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

MR. RON GOLOUBOW
 LEVINE-FRICKE
 1900 POWELL STREET 12TH FLOOR
 EMERYVILLE, CA 94608

Workorder # : 9408100
 Date Received : 08/09/94
 Project ID : 1649.06
 Purchase Order: N/A
 Department : PREP
 Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9408100- 1	TOYS 1	SOIL	08/09/94	5520EF
9408100- 2	TOYS 2	SOIL	08/09/94	5520EF

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 3550 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : SOIL
 Date Sampled : N/A
 Date Extracted: 08/10/94
 Date Analyzed : 08/10/94

Anamatrix I.D. : MG10H1F1
 Analyst : ~~AF~~
 Supervisor : ~~CO~~
 Date Released : 08/12/94
 Instrument I.D.: HP23

COMPOUND	SPIKE AMT (mg/Kg)	REC LCS (mg/Kg)	% REC LCS	% REC LIMITS *
DIESEL	62.5	70.8	113%	48-113
SURROGATE			103%	55-129

* Quality control limits established by Anamatrix, Inc.

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

MR. RON GOLOUBOW
LEVINE-FRICKE
1900 POWELL STREET 12TH FLOOR
EMERYVILLE, CA 94608

Workorder # : 9408100
Date Received : 08/09/94
Project ID : 1649.06
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems were encountered for these samples.

Richard L. H... 8/11/94
Department Supervisor Date

AKB 8/12/94
Chemist Date

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
 INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES (408) 432-8192

PROJECT # : 1649 06 ANAMETRIX I.D. : 9408100
 MATRIX : SOIL ANALYST : CA
 DATE SAMPLED : 08/09/94 SUPERVISOR : GLJ
 DATE EXTRACTED : 08/10/94 DATE RELEASED : 08/11/94
 DATE ANALYZED : 08/11/94

WORKORDER #	SAMPLE I.D.	REPORTING LIMIT (mg/Kg)	AMOUNT FOUND (mg/Kg)
9408100-01	TOYS 1	30	140
9408100-02	TOYS 2	30	97
BG10H1W9	METHOD BLANK	30	ND

ND - Not detected above the reporting limit for the method.

TRPH - Total Recoverable Petroleum Hydrocarbons are determined by Standard Method 5520EF, 18th edition.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

**LAB CONTROL SAMPLE REPORT - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
INCHCAPE TESTING SERVICES - ANAMETRIX LABORATORIES (408) 432-8192**

SAMPLE ID : LAB CONTROL SAMPLE ANAMETRIX I.D. : MG10H1W9
 MATRIX : SOIL ANALYST : *PK*
 DATE EXTRACTED : 08/10/94 SUPERVISOR : *Bl*
 DATE ANALYZED : 08/11/94 DATE RELEASED : 08/12/94

COMPOUND	SPIKE AMT. (mg/Kg)	LCS (mg/Kg)	%REC LCS	REC LIMITS
MOTOR OIL	300	240	80	44-128

* Quality control limits established by Anametrix Laboratories

TRPH - Total Recoverable Petroleum Hydrocarbons are determined by Standard Method 5520EF.

3362

9408100 (10/2)

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

TO 1649##-9-3379432 PAGE.023/023

** TOTAL PAGE.023 **

Project No.: 1649.06	Field Logbook No.:	Date: 8-9-94	Serial No.:
Project Name: EAST BAY bridge	Project Location: Emeryville CA	No. 12544	

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES						REMARKS
						EPA 601	EPA 624	TRH	TO 6	HOLD	RUSH	
① days 1	8/9			1	Soil							Results to Ron GOLF + Kumbandt @ Catello
② days 2	1			1	"							24-48 hr TAT

RELINQUISHED BY: <i>[Signature]</i>	DATE: 8/9/94	TIME: 1520	RECEIVED BY: <i>[Signature]</i>	DATE: 8/9/94	TIME: 1520
RELINQUISHED BY: <i>[Signature]</i>	DATE: 8/9/94	TIME: 1805	RECEIVED BY: <i>[Signature]</i>	DATE: 8/9/94	TIME: 1805
RELINQUISHED BY: <i>[Signature]</i>	DATE:	TIME:	RECEIVED BY: <i>[Signature]</i>	DATE:	TIME:
METHOD OF SHIPMENT:	DATE:	TIME:	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, California 94608 (510) 652-4500	Analytical Laboratory: <i>Ana metric</i>				

SEP 2 '94 10:00 FROM