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Michael E. Delehunt
Direct Dial: (510) 466-6772

February 27, 1997

Mr. Barney Chan
Alameda County Healthcare Services Agency
8 Swan Way, Room 200
Oakland, CA 94612

Re: Request For Technical Report For Further Site Characterization
At 370 Eighth Avenue, Oakland, California 94606

Dear Mr. Chan:

This law office represents Keep On Trucking Company, Inc. Your letter of January 30, 1997 requesting technical information concerning site characterization has been forwarded to us for handling.

As you know the issues surrounding contamination at the Eighth Avenue site are currently in litigation. Our firm, on behalf of Keep On Trucking, has retained the services of R. Morrison & Associates Inc. as a technical consultant. R. Morrison & Associates is assisting us as KOT's legal counsel in the litigation and as part of its work has been performing some site investigation work, most of which has been done in conjunction with or simultaneously with the Port of Oakland's consultant, Subsurface Consultants Inc.

R. Morrison & Associates has not prepared a report. However, R. Morrison & Associates has taken borings and samples on the site. In compliance with your request, I enclose a copy of RMA's Boring Location Map dated January 14, 1997 together with test data prepared at the request of R. Morrison & Associates.

This information has also been provided to Subsurface Consultants Inc. and I am told it will be incorporated in their next report to your agency.

Please feel free to contact me at (510) 466-6772 if you have any questions.

Very truly yours,

Michael E. Delehunt

MED:db
Enclosure

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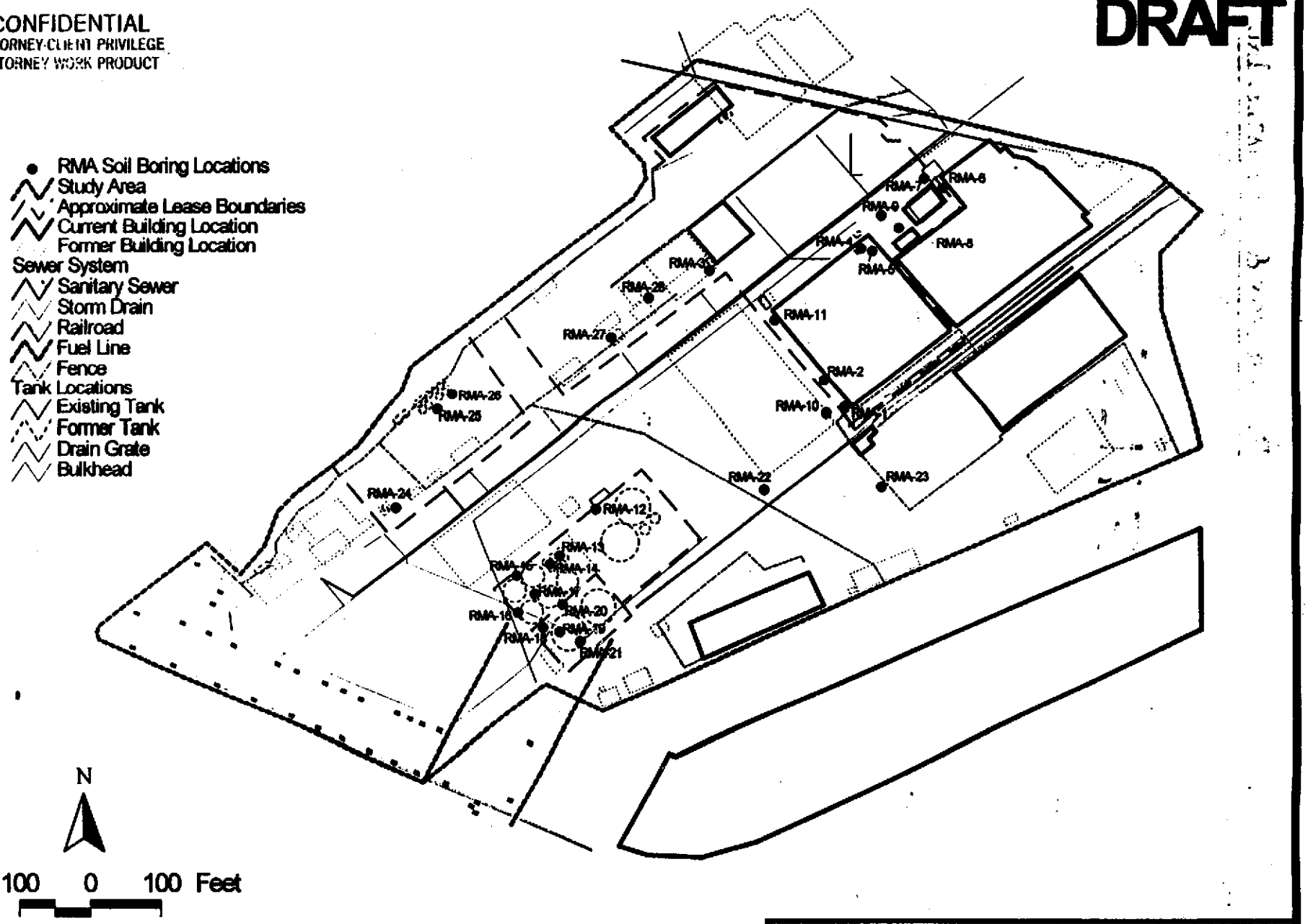
DRAFT



RMA Boring Location Map
January 14, 1997

Source: Surface Consultants, Inc., August 8, 1996

Analysis For Volatile Compounds By EPA Method 8260

Client Sample ID:	RMA-10 (Water)	Client:	R. Morrison and Associates
Date Received:	11/22/96	Project:	1172, KOT
Date Extracted:	11/25/96	Lab ID:	74178
Date Analyzed:	11/25/96	Data File:	112511.D
Matrix:	Water	Instrument:	GCMS1
Units:	ug/L (ppb)	Operator:	SB

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	97	90	115
1,2-Dichloroethane-d4	106	77	120
Toluene-d8	119 vo	93	117
4-Bromofluorobenzene	109	93	113

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<1	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	1	m,p-Xylene	<1
Methylene chloride	<1	o-Xylene	<1
trans-1,2-Dichloroethene	<1	Styrene	<1
1,1-Dichloroethane	21	Isopropylbenzene	<1
2,2-Dichloropropane	<1	Bromoform	<1
cis-1,2-Dichloroethene	5	n-Propylbenzene	<1
Chloroform	<1	Bromobenzene	<1
2-Butanone (MEK)	<10	1,3,5-Trimethylbenzene	<1
1,2-Dichloroethane (EDC)	<1	1,1,2,2-Tetrachloroethane	<1
1,1,1-Trichloroethane	60	1,2,3-Trichloropropane	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	75	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-Pentanone (MIBK)	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane (DBCP)	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

vo. The value reported fell outside the control limits established for this analyte.

Analysis For Volatile Compounds By EPA Method 8260

Client Sample ID:	RMA-16 (Water)	Client:	R. Morrison and Associates
Date Received:	11/22/96	Project:	1172, KOT
Date Extracted:	11/25/96	Lab ID:	74190
Date Analyzed:	11/25/96	Data File:	112512.D
Matrix:	Water	Instrument:	GCMS1
Units:	ug/L (ppb)	Operator:	SB

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	90	90	115
1,2-Dichloroethane-d4	89	77	120
Toluene-d8	112	93	117
4-Bromofluorobenzene	110	93	113

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	18	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<1
Methylene chloride	<1	o-Xylene	<1
trans-1,2-Dichloroethene	<1	Styrene	<1
1,1-Dichloroethane	6	Isopropylbenzene	<1
2,2-Dichloropropane	<1	Bromoform	<1
cis-1,2-Dichloroethene	<1	n-Propylbenzene	<1
Chloroform	<1	Bromobenzene	<1
2-Butanone (MEK)	<10	1,3,5-Trimethylbenzene	<1
1,2-Dichloroethane (EDC)	<1	1,1,2,2-Tetrachloroethane	<1
1,1,1-Trichloroethane	<1	1,2,3-Trichloropropane	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-Pentanone (MIBK)	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane (DBCP)	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

Analysis For Volatile Compounds By EPA Method 8260

Client Sample ID:	Method Blank	Client:	R. Morrison and Associates
Date Received:	11/22/96	Project:	1172, KOT
Date Extracted:	11/25/96	Lab ID:	SO 1125 MB 06-729
Date Analyzed:	11/25/96	Data File:	112506.D
Matrix:	Water	Instrument:	GCMS1
Units:	ug/L (ppb)	Operator:	SB

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	106	90	115
1,2-Dichloroethane-d4	107	77	120
Toluene-d8	107	93	117
4-Bromofluorobenzene	111	93	113

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<1	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<1
Methylene chloride	<1	o-Xylene	<1
trans-1,2-Dichloroethene	<1	Styrene	<1
1,1-Dichloroethane	<1	Isopropylbenzene	<1
2,2-Dichloropropane	<1	Bromoform	<1
cis-1,2-Dichloroethene	<1	n-Propylbenzene	<1
Chloroform	<1	Bromobenzene	<1
2-Butanone (MEK)	<10	1,3,5-Trimethylbenzene	<1
1,2-Dichloroethane (EDC)	<1	1,1,2,2-Tetrachloroethane	<1
1,1,1-Trichloroethane	<1	1,2,3-Trichloropropane	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-Pentanone (MIBK)	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane (DBCP)	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

Date of Report: December 10, 1996
Date Received: November 22, 1996
Project: 1172, KOT
Date Samples Extracted: November 27, 1996
Date Extracts Analyzed: November 27, 1996

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR PCB AS AROCHLOR 1242/1254 BY GC/ECD (MODIFIED 8080)

Results Reported as µg/g (ppm)

Sample ID	PCB	Surrogate Standard (% Recovery)
RMA-17 @ 6.5-7	<0.2	116
RMA-21 @ 6-6.5	0.8	96
Method Blank	<0.2	92

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Date of Report: December 10, 1996
Date Received: November 22, 1996
Project: 1172, KOT
Date Samples Extracted: November 27, 1996
Date Extracts Analyzed: November 27, 1996

RESULTS FROM THE ANALYSIS OF THE PRODUCT SAMPLE FOR PCB AS AROCHLOR 1242/1254 BY GC/ECD (MODIFIED 8080)
Results Reported as µg/g (ppm)

Sample ID	PCB	Surrogate Standard (% Recovery)
RMA-18 @ 10.5	6.8	97
Method Blank	<0.5	92

Date of Report: December 10, 1996
Date Received: November 22, 1996
Project: 1172, KOT

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF PRODUCT SAMPLES FOR PCB's AS 1242/1254 BY GC/ECD

Laboratory Code: 74173 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Arcl 1242/1254	µg/g (ppm)	6.8	7.3	7	0-20

Laboratory Code: Spike Blank

Analyte	Reporting Units	Spike Level	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
Arcl 1242/1254	µg/g (ppm)	5	116	116	65-135	0

Date of Report: December 10, 1996
Date Received: November 22, 1996
Project: 1172, KOT

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PCB's AS 1242/1254 BY GC/ECD

Laboratory Code: 74172 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Arol 1242/1254	µg/g (ppm)	<0.2	<0.2	nm	0-20

Laboratory Code: Spike Blank

Analyte	Reporting Units	Spike Level	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
Arol 1242/1254	µg/g (ppm)	0.3	111	126	65-135	13

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Date of Report: December 10, 1996
Date Received: November 22, 1996
Project: 1172, KOT

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260

Laboratory Code: Spike Blank

Analyte	Reporting Units	Spike Level	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
1,1-Dichloroethene	µg/L (ppb)	50	122	125	65-135	2
Benzene	µg/L (ppb)	50	104	105	65-135	1
Trichloroethene	µg/L (ppb)	50	106	108	65-135	2
Toluene	µg/L (ppb)	50	100	102	65-135	2
Chlorobenzene	µg/L (ppb)	50	108	106	65-135	3

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R. Morrison & Associates Project # 1172
Keep On Trucking
370 8th Avenue; Oakland, California

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF WATERS

SAMPLE NUMBER:		BLANK	BLANK	BLANK	BLANK	BLANK	RMA-1	RMA-2
COLLECTION DATE:		11/18/96	11/19/96	11/20/96	11/21/96	11/22/96	11/18/96	11/18/96
ANALYSES DATE:		11/18/96	11/19/96	11/20/96	11/21/96	11/22/96	11/18/96	11/18/96
VINYL CHLORIDE	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,1 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
trans-1,2 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,1 DICHLOROETHANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
cis-1,2 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
CHLOROFORM	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,1,1 TRICHLOROETHANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
CARBON TETRACHLORIDE	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,2 DICHLOROETHANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
TRICHLOROETHENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,2 DICHLOROPROPANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
BROMODICHLOROMETHANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
cis-1,3 DICHLOROPROPENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
trans-1,3 DICHLOROPROPENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
1,1,2 TRICHLOROETHANE	(ug/L)	nd	nd	nd	nd	–	nd	nd
TETRACHLOROETHENE	(ug/L)	nd	nd	nd	nd	–	nd	nd
C5 - C11	(ug/L)	nd	nd	nd	nd	nd	nd	nd
C12 - C24	(ug/L)	nd	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.5 ug/L; TPH COMPONENTS = 500 ug/L

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'•' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry
11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

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R. Morrison & Associates' Project # 1172
Keep On Trucking
370 8th Avenue; Oakland, California

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF WATERS

SAMPLE NUMBER:		RMA-4	RMA-5	RMA-7	RMA-8	RMA-9	RMA-10	RMA-10 dup
COLLECTION DATE:		11/18/96	11/18/96	11/19/96	11/19/96	11/19/96	11/19/96	11/19/96
ANALYSES DATE:		11/18/96	11/18/96	11/19/96	11/19/96	11/19/96	11/19/96	11/21/96
VINYL CHLORIDE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	nd	2.4	2.4
trans-1,2 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(ug/L)	nd	nd	nd	nd	nd	13.2	16.4
cis-1,2 DICHLOROETHENE	(ug/L)	nd	nd	nd	nd	nd	5.1	5.1
CHLOROFORM	(ug/L)	nd	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(ug/L)	nd	nd	nd	nd	nd	48.4	51.2
CARBON TETRACHLORIDE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(ug/L)	nd	nd	nd	nd	nd	62.9	62.4
1,2 DICHLOROPROPANE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
BROMODICHLOROMETHANE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
cis-1,3 DICHLOROPROPENE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
trans-1,3 DICHLOROPROPENE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
1,1,2 TRICHLOROETHANE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(ug/L)	nd	nd	nd	nd	nd	nd	nd
C5 - C11	(ug/L)	584*	331800*	nd	nd	nd	nd	nd
C12 - C24	(ug/L)	29370*	8668000*	nd	nd	nd	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.5 ug/L; TPH COMPONENTS = 500 ug/L

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'--' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF WATERS

SAMPLE NUMBER:		RMA-12	RMA-14	RMA-15	RMA-16	RMA-17	RMA-19	RMA-20
COLLECTION DATE:		11/20/96	11/20/96	11/20/96	11/20/96	11/20/96	11/21/96	11/21/96
ANALYSES DATE:		11/20/96	11/20/96	11/20/96	11/21/96	11/21/96	11/21/96	11/21/96
VINYL CHLORIDE	(ug/L)	nd	–	–	1.0	nd	–	–
1,1 DICHLOROETHENE	(ug/L)	nd	–	–	0.6	nd	–	–
trans-1,2 DICHLOROETHENE	(ug/L)	nd	–	–	nd	nd	–	–
1,1 DICHLOROETHANE	(ug/L)	nd	–	–	5.6	3.0	–	–
cis-1,2 DICHLOROETHENE	(ug/L)	nd	–	–	0.9	0.7	–	–
CHLOROFORM	(ug/L)	nd	–	–	nd	nd	–	–
1,1,1 TRICHLOROETHANE	(ug/L)	nd	–	–	nd	nd	–	–
CARBON TETRACHLORIDE	(ug/L)	nd	–	–	nd	nd	–	–
1,2 DICHLOROETHANE	(ug/L)	nd	–	–	nd	nd	–	–
TRICHLOROETHENE	(ug/L)	nd	–	–	nd	nd	–	–
1,2 DICHLOROPROPANE	(ug/L)	nd	–	–	nd	nd	–	–
BROMODICHLOROMETHANE	(ug/L)	nd	–	–	nd	nd	–	–
cis-1,3 DICHLOROPROPENE	(ug/L)	nd	–	–	nd	nd	–	–
trans-1,3 DICHLOROPROPENE	(ug/L)	nd	–	–	nd	nd	–	–
1,1,2 TRICHLOROETHANE	(ug/L)	nd	–	–	nd	nd	–	–
TETRACHLOROETHENE	(ug/L)	nd	–	–	nd	nd	–	–
C5 - C11	(ug/L)	nd	nd	nd	nd	nd	6850*	1362*
C12 - C24	(ug/L)	53900*	440100*	nd	nd	641*	24800*	4939*

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.5 ug/L; TPH COMPONENTS = 500 ug/L

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

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R. Morrison & Associates Project # 1172
Keep On Trucking
370 8th Avenue; Oakland, California

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ATTORNEY WORK PRODUCT

TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF WATERS

SAMPLE NUMBER:		RMA-20 dup	RMA-21	RMA-22	RMA-23	RMA-24	RMA-25	RMA-26
COLLECTION DATE:		11/21/96	11/21/96	11/22/96	11/22/96	11/22/96	11/22/96	11/22/96
ANALYSES DATE:		11/21/96	11/21/96	11/22/96	11/22/96	11/22/96	11/22/96	11/22/96
VINYL CHLORIDE	(ug/L)	–	–	–	–	–	–	–
1,1 DICHLOROETHENE	(ug/L)	–	–	–	–	–	–	–
trans-1,2 DICHLOROETHENE	(ug/L)	–	–	–	–	–	–	–
1,1 DICHLOROETHANE	(ug/L)	–	–	–	–	–	–	–
cis-1,2 DICHLOROETHENE	(ug/L)	–	–	–	–	–	–	–
CHLOROFORM	(ug/L)	–	–	–	–	–	–	–
1,1,1 TRICHLOROETHANE	(ug/L)	–	–	–	–	–	–	–
CARBON TETRACHLORIDE	(ug/L)	–	–	–	–	–	–	–
1,2 DICHLOROETHANE	(ug/L)	–	–	–	–	–	–	–
TRICHLOROETHENE	(ug/L)	–	–	–	–	–	–	–
1,2 DICHLOROPROPANE	(ug/L)	–	–	–	–	–	–	–
BROMODICHLOROMETHANE	(ug/L)	–	–	–	–	–	–	–
cis-1,3 DICHLOROPROPENE	(ug/L)	–	–	–	–	–	–	–
trans-1,3 DICHLOROPROPENE	(ug/L)	–	–	–	–	–	–	–
1,1,2 TRICHLOROETHANE	(ug/L)	–	–	–	–	–	–	–
TETRACHLOROETHENE	(ug/L)	–	–	–	–	–	–	–
C5 - C11	(ug/L)	1152*	3696*	420900*	nd	nd	528000*	nd
C12 - C24	(ug/L)	4747*	12980*	2689000*	nd	nd	248500*	1142*

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.5 ug/L; TPH COMPONENTS = 500 ug/L

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF WATERS

SAMPLE NUMBER:		RMA-26 dup	RMA-27	RMA-28
COLLECTION DATE:		11/22/96	11/22/96	11/22/96
ANALYSES DATE:		11/22/96	11/22/96	11/22/96
VINYL CHLORIDE	(ug/L)	--	--	--
1,1 DICHLOROETHENE	(ug/L)	--	--	--
trans-1,2 DICHLOROETHENE	(ug/L)	--	--	--
1,1 DICHLOROETHANE	(ug/L)	--	--	--
cis-1,2 DICHLOROETHENE	(ug/L)	--	--	--
CHLOROFORM	(ug/L)	--	--	--
1,1,1 TRICHLOROETHANE	(ug/L)	--	--	--
CARBON TETRACHLORIDE	(ug/L)	--	--	--
1,2 DICHLOROETHANE	(ug/L)	--	--	--
TRICHLOROETHENE	(ug/L)	--	--	--
1,2 DICHLOROPROPANE	(ug/L)	--	--	--
BROMODICHLOROMETHANE	(ug/L)	--	--	--
cis-1,3 DICHLOROPROPENE	(ug/L)	--	--	--
trans-1,3 DICHLOROPROPENE	(ug/L)	--	--	--
1,1,2 TRICHLOROETHANE	(ug/L)	--	--	--
TETRACHLOROETHENE	(ug/L)	--	--	--
C5 - C11	(ug/L)	nd	nd	nd
C12 - C24	(ug/L)	1164*	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.5 ug/L; TPH COMPONENTS = 500 ug/L

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'--' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-6-96

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TEG PROJECT #61118E

QA/QC DATA - MATRIX SPIKE ANALYSES - WATER (Sample # RMA 7) **ANALYZED: 11/21/96**

COMPONENT		SPIKED CONC.	MEASURED CONC.	% RECOVERY
trans- 1,2 DICHLOROETHENE	(ug/L)	5.00	4.29	85.8%
cis- 1,2 DICHLOROETHENE	(ug/L)	5.00	3.89	77.8%
CHLOROFORM	(ug/L)	5.00	4.23	84.6%
1,1,1 TRICHLOROETHANE	(ug/L)	5.00	4.29	85.8%
CARBON TETRACHLORIDE	(ug/L)	5.00	4.64	92.8%
1,2 DICHLOROETHANE	(ug/L)	5.00	4.02	80.4%
TRICHLOROETHENE	(ug/L)	5.00	5.39	107.8%
TETRACHLOROETHENE	(ug/L)	5.00	4.01	80.2%

COMPONENT		SPIKED CONC.	MEASURED CONC.	% RECOVERY	RPD
trans- 1,2 DICHLOROETHENE	(ug/L)	5.00	4.39	87.8%	2.3%
cis- 1,2 DICHLOROETHENE	(ug/L)	5.00	4.11	82.2%	5.5%
CHLOROFORM	(ug/L)	5.00	3.93	78.6%	7.4%
1,1,1 TRICHLOROETHANE	(ug/L)	5.00	4.35	87.0%	1.4%
CARBON TETRACHLORIDE	(ug/L)	5.00	4.20	84.0%	10.0%
1,2 DICHLOROETHANE	(ug/L)	5.00	4.31	86.2%	7.0%
TRICHLOROETHENE	(ug/L)	5.00	5.15	103.0%	4.6%
TETRACHLOROETHENE	(ug/L)	5.00	4.45	89.0%	10.4%

ACCEPTABLE RPD LIMITS: 15%

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

TEG PROJECT #61118E

QA/QC DATA - MATRIX SPIKE ANALYSES - WATERS

SAMPLE NUMBER	DATE ANALYZED	DIESEL ug/l	GASOLINE ug/l
RMA-7			
Spiked Conc.	11/21/96	5000	2000
Measured Conc.		4016	1451
% Recovery		80.3%	72.6%
Spiked Conc.	11/21/96	5000	2000
Measured Conc.		4140	1437
% Recovery		82.8%	71.9%
RPD		3.1%	1.0%
Spiked Conc.	11/22/96	5000	2000
Measured Conc.		5322	2248
% Recovery		106.4%	112.4%
Spiked Conc.	11/22/96	5000	2000
Measured Conc.		5111	2140
% Recovery		102.2%	107.0%
RPD		4.0%	4.9%

ACCEPTABLE RPD LIMIT = 15%

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		BLANK	BLANK	BLANK	BLANK	BLANK	RMA-1 @ 5.5-6
COLLECTION DATE:		11/18/96	11/19/96	11/20/96	11/21/96	11/22/96	11/18/96
ANALYSES DATE:		11/18/96	11/19/96	11/20/96	11/21/96	11/22/96	11/18/96
VINYL CHLORIDE	(mg/kg)	nd	nd	nd	nd	--	nd
1,1 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	--	nd
trans-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	--	nd
1,1 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	--	nd
cis-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	--	nd
CHLOROFORM	(mg/kg)	nd	nd	nd	nd	--	nd
1,1,1 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	--	nd
CARBON TETRACHLORIDE	(mg/kg)	nd	nd	nd	nd	--	nd
1,2 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	--	nd
TRICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	--	nd
1,2 DICHLOROPROPANE	(mg/kg)	nd	nd	nd	nd	--	nd
BROMODICHLOROMETHANE	(mg/kg)	nd	nd	nd	nd	--	nd
cis-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	--	nd
trans-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	--	nd
1,1,2 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	--	nd
TETRACHLOROETHENE	(mg/kg)	nd	nd	nd	nd	--	nd
C5 - C11	(mg/kg)	nd	nd	nd	nd	nd	nd
C12 - C24	(mg/kg)	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'--' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		RMA-2 @ 5.5-6	RMA-2 @ 7.5-8	RMA-3 @ 5-5.5	RMA-3 @ 7.5-8	RMA-3 @ 9-9.5	RMA-4 @ 3-3.5
COLLECTION DATE:		11/18/96	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96
ANALYSES DATE:		11/18/96	11/18/96	11/18/96	11/18/96	11/18/96	11/18/96
VINYL CHLORIDE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
CHLOROFORM	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,2 DICHLOROPROPANE	(mg/kg)	nd	nd	nd	nd	nd	nd
BROMODICHLOROMETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
cis-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	nd	nd
trans-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1,2 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
C5 - C11	(mg/kg)	nd	nd	nd	nd	nd	nd
C12 - C24	(mg/kg)	nd	nd	nd	1865*	45*	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		RMA-4 @ 3-3.5	RMA-5 @ 6.5-7	RMA-6 @ 7.5-8	RMA-7 @ 3.5-4	RMA-8 @ 3.5-4	RMA-8 @ 7.5-8
COLLECTION DATE:		DUP	11/18/96	11/19/96	11/19/96	11/19/96	11/19/96
ANALYSES DATE:		11/18/96	11/18/96	11/19/96	11/19/96	11/19/96	11/19/96
VINYL CHLORIDE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
trans-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
cis-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
CHLOROFORM	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1,1 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
CARBON TETRACHLORIDE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,2 DICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,2 DICHLOROPROPANE	(mg/kg)	nd	nd	nd	nd	nd	nd
BROMODICHLOROMETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
cis-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	nd	nd
trans-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	nd	nd	nd
1,1,2 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	nd	nd	nd
TETRACHLOROETHENE	(mg/kg)	nd	nd	nd	nd	nd	nd
C5 - C11	(mg/kg)	nd	nd	nd	nd	nd	nd
C12 - C24	(mg/kg)	nd	nd	nd	nd	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

' * ' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'--' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		RMA-10 @ 3.5-4	RMA-10 @ 7.5-8	RMA-12 @ 6.5-7	RMA-15 @ 5.5-6.0	RMA-16 @ 2.5-3	RMA-16 @ 3.0-3.5
COLLECTION DATE:		11/19/96	11/19/96	11/20/96	11/20/96	11/20/96	11/20/96
ANALYSES DATE:		11/19/96	11/19/96	11/21/96	11/20/96	11/21/96	11/21/96
VINYL CHLORIDE	(mg/kg)	nd	nd	nd	–	–	–
1,1 DICHLOROETHENE	(mg/kg)	nd	nd	nd	–	–	–
trans-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	–	–	–
1,1 DICHLOROETHANE	(mg/kg)	nd	nd	nd	–	–	–
cis-1,2 DICHLOROETHENE	(mg/kg)	nd	nd	nd	–	–	–
CHLOROFORM	(mg/kg)	nd	nd	nd	–	–	–
1,1,1 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	–	–	–
CARBON TETRACHLORIDE	(mg/kg)	nd	nd	nd	–	–	–
1,2 DICHLOROETHANE	(mg/kg)	nd	nd	nd	–	–	–
TRICHLOROETHENE	(mg/kg)	nd	nd	nd	–	–	–
1,2 DICHLOROPROPANE	(mg/kg)	nd	nd	nd	–	–	–
BROMODICHLOROMETHANE	(mg/kg)	nd	nd	nd	–	–	–
cis-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	–	–	–
trans-1,3 DICHLOROPROPENE	(mg/kg)	nd	nd	nd	–	–	–
1,1,2 TRICHLOROETHANE	(mg/kg)	nd	nd	nd	–	–	–
TETRACHLOROETHENE	(mg/kg)	nd	nd	nd	–	–	–
C5 - C11	(mg/kg)	nd	nd	nd	nd	nd	nd
C12 - C24	(mg/kg)	nd	nd	nd	nd	223*	209*

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		RMA-17 @ 3.5-4	RMA-17 @ 6.5-7	RMA-20 @ 2.5-3	RMA-20 @ 7-7.5	RMA-22 @ 6.5-7	RMA-24 @ 6.5-7
COLLECTION DATE:		11/20/96	11/20/96	11/21/96	11/21/96	11/22/96	11/22/96
ANALYSES DATE:		11/20/96	11/20/96	11/21/96	11/21/96	11/22/96	11/22/96
VINYL CHLORIDE	(mg/kg)	–	–	–	–	–	–
1,1 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
trans-1,2 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
1,1 DICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
cis-1,2 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
CHLOROFORM	(mg/kg)	–	–	–	–	–	–
1,1,1 TRICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
CARBON TETRACHLORIDE	(mg/kg)	–	–	–	–	–	–
1,2 DICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
TRICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
1,2 DICHLOROPROPANE	(mg/kg)	–	–	–	–	–	–
BROMODICHLOROMETHANE	(mg/kg)	–	–	–	–	–	–
cis-1,3 DICHLOROPROPENE	(mg/kg)	–	–	–	–	–	–
trans-1,3 DICHLOROPROPENE	(mg/kg)	–	–	–	–	–	–
1,1,2 TRICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
TETRACHLOROETHENE	(mg/kg)	–	–	–	–	–	–
C5 - C11	(mg/kg)	nd	nd	348*	nd	493*	nd
C12 - C24	(mg/kg)	734*	441*	1089*	21*	4871*	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

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TEG PROJECT #61118E

EPA METHODS 8010 & 8015mod ANALYSES OF SOILS

SAMPLE NUMBER:		RMA-25 @ 5.5-6	RMA-26 @ 6-6.5	RMA-26 @ 9.5-10	RMA-26 @ 9.5-10	RMA-27 @ 6.5-7	RMA-28 @ 5-5.5
COLLECTION DATE:		11/22/96	11/22/96	11/22/96	DUP 11/22/96	11/22/96	11/22/96
ANALYSES DATE:		11/22/96	11/22/96	11/22/96	11/22/96	11/22/96	11/22/96
VINYL CHLORIDE	(mg/kg)	–	–	–	–	–	–
1,1 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
trans-1,2 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
1,1 DICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
cis-1,2 DICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
CHLOROFORM	(mg/kg)	–	–	–	–	–	–
1,1,1 TRICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
CARBON TETRACHLORIDE	(mg/kg)	–	–	–	–	–	–
1,2 DICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
TRICHLOROETHENE	(mg/kg)	–	–	–	–	–	–
1,2 DICHLOROPROPANE	(mg/kg)	–	–	–	–	–	–
BROMODICHLOROMETHANE	(mg/kg)	–	–	–	–	–	–
cis-1,3 DICHLOROPROPENE	(mg/kg)	–	–	–	–	–	–
trans-1,3 DICHLOROPROPENE	(mg/kg)	–	–	–	–	–	–
1,1,2 TRICHLOROETHANE	(mg/kg)	–	–	–	–	–	–
TETRACHLOROETHENE	(mg/kg)	–	–	–	–	–	–
C5 - C11	(mg/kg)	1349*	nd	nd	nd	nd	nd
C12 - C24	(mg/kg)	2685*	nd	nd	nd	nd	nd

REPORTING LIMITS FOR 8010 COMPOUNDS = 0.005 mg/Kg; TPH COMPONENTS = 10 mg/Kg

'C5 - C11' INDICATES GASOLINE RANGE.

'C12 - C24' INDICATES DIESEL RANGE.

'*' THE CHROMATOGRAM RESPONSE DOES NOT LOOK LIKE TYPICAL GASOLINE OR DIESEL.

'nd' INDICATES NOT DETECTED AT LISTED REPORTING LIMITS.

'–' ANALYSIS NOT REQUESTED.

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Transglobal Environmental Geochemistry
11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

teg

R. Morrison & Associates Project # 1172
Keep On Trucking
370 8th Avenue; Oakland, California

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TEG PROJECT #61118E

QA/QC DATA - MATRIX SPIKE ANALYSES - SOIL (Sample # RMA 1 @ 5.5-6) ANALYZED: 11/21/96

COMPONENT		SPIKED CONC.	MEASURED CONC.	% RECOVERY
trans- 1,2 DICHLOROETHENE	(mg/kg)	0.0100	0.0078	78%
cis- 1,2 DICHLOROETHENE	(mg/kg)	0.0100	0.0078	78%
CHLOROFORM	(mg/kg)	0.0100	0.0078	78%
1,1,1 TRICHLOROETHANE	(mg/kg)	0.0100	0.0077	77%
CARBON TETRACHLORIDE	(mg/kg)	0.0100	0.0084	84%
1,2 DICHLOROETHANE	(mg/kg)	0.0100	0.0078	78%
TRICHLOROETHENE	(mg/kg)	0.0100	0.0105	105%
TETRACHLOROETHENE	(mg/kg)	0.0100	0.0096	96%

COMPONENT		SPIKED CONC.	MEASURED CONC.	% RECOVERY	RPD
trans- 1,2 DICHLOROETHENE	(mg/kg)	0.0100	0.0060	60%	5.1%
cis- 1,2 DICHLOROETHENE	(mg/kg)	0.0100	0.0074	74%	5.3%
CHLOROFORM	(mg/kg)	0.0100	0.0078	78%	2.6%
1,1,1 TRICHLOROETHANE	(mg/kg)	0.0100	0.0072	72%	6.7%
CARBON TETRACHLORIDE	(mg/kg)	0.0100	0.0077	77%	8.7%
1,2 DICHLOROETHANE	(mg/kg)	0.0100	0.0070	70%	8.2%
TRICHLOROETHENE	(mg/kg)	0.0100	0.0104	104%	1.0%
TETRACHLOROETHENE	(mg/kg)	0.0100	0.0099	99%	4.1%

ACCEPTABLE RPD LIMITS: 15%

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

TEG PROJECT #61118E

QA/QC DATA - MATRIX SPIKE ANALYSES - SOIL

SAMPLE NUMBER	DATE ANALYZED	DIESEL mg/kg	GASOLINE mg/kg
RMA-3 @5.5-6			
Spiked Conc.	11/19/96	50.0	20.0
Measured Conc.		56.7	17.2
% Recovery		113.4%	86.0%
Spiked Conc.	11/19/96	50.0	20.0
Measured Conc.		57.9	15.3
% Recovery		115.8%	76.5%
RPD		2.1%	11.7%
RMA-1 @ 5.5-6			
Spiked Conc.	11/21/96	50.0	20.0
Measured Conc.		51.3	23.1
% Recovery		102.6%	115.5%
Spiked Conc.	11/21/96	50.0	20.0
Measured Conc.		51.2	23.7
% Recovery		102.4%	118.5%
RPD		0.2%	2.6%
RMA-1 @ 5.5-6			
Spiked Conc.	11/22/96	50.0	20.0
Measured Conc.		38.8	22.6
% Recovery		77.6%	113.0%
Spiked Conc.	11/22/96	50.0	20.0
Measured Conc.		40.8	21.5
% Recovery		81.6%	107.5%
RPD		5.0%	5.0%

ACCEPTABLE RPD LIMIT = 15%

ANALYSES PERFORMED IN TEG's DHS CERTIFIED MOBILE LAB (#2012)

ANALYSES PERFORMED BY: Mr. Leif Jonsson

DATA REVIEWED BY: Mr. Mark Jerpbak 12-10-96

Analysis For Volatile Compounds By EPA Method 8260

Client Sample ID:	RMA-23 (Water)	Client:	R. Morrison and Associates
Date Received:	11/26/96	Project:	1172
Date Extracted:	11/27/96	Lab ID:	74308
Date Analyzed:	12/06/96	Data File:	102527.D
Matrix:	Water	Instrument:	GCMS1
Units:	ug/L (ppb)	Operator:	SB

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	111	80	120
1,2-Dichloroethane-d4	109	80	120
Toluene-d8	106	81	117
4-Bromofluorobenzene	109	74	121

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<5	1,3-Dichloropropane	<5
Chloromethane	<5	Tetrachloroethene	<5
Vinyl chloride	<5	Dibromochloromethane	<5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<5
Chloroethane	<5	Chlorobenzene	<5
Trichlorofluoromethane	<5	Ethylbenzene	<5
Acetone	<50	1,1,1,2-Tetrachloroethane	<5
1,1-Dichloroethene	<5	m,p-Xylene	<5
Methylene chloride	<5	o-Xylene	<5
trans-1,2-Dichloroethene	<5	Styrene	<5
1,1-Dichloroethane	<5	Isopropylbenzene	<5
2,2-Dichloropropane	<5	Bromoform	<5
cis-1,2-Dichloroethene	<5	n-Propylbenzene	<5
Chloroform	<5	Bromobenzene	<5
2-Butanone (MEK)	<50	1,3,5-Trimethylbenzene	<5
1,2-Dichloroethane (EDC)	<5	1,1,2,2-Tetrachloroethane	<5
1,1,1-Trichloroethane	<5	1,2,3-Trichloropropane	<5
1,1-Dichloropropene	<5	4-Chlorotoluene	<5
Carbon Tetrachloride	<5	tert-Butylbenzene	<5
Benzene	<5	1,2,4-Trimethylbenzene	<5
Trichloroethene	<5	sec-Butylbenzene	<5
1,2-Dichloropropane	<5	p-Isopropyltoluene	<5
Bromodichloromethane	<5	1,3-Dichlorobenzene	<5
Dibromomethane	<5	1,4-Dichlorobenzene	<5
4-Methyl-2-Pentanone (MIBK)	<50	1,2-Dichlorobenzene	<5
cis-1,3-Dichloropropene	<5	1,2-Dibromo-3-chloropropane	<5
Toluene	<5	1,2,4-Trichlorobenzene	<5
trans-1,3-Dichloropropene	<5	Hexachlorobutadiene	<5
1,1,2-Trichloroethane	<5	Naphthalene	<5
2-Hexanone	<50	1,2,3-Trichlorobenzene	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Analysis For Volatile Compounds By EPA Method 8260

Client Sample ID:	**Method Blank**	**Client:**	**R. Morrison and Associates**
Date Received:	**11/26/96**	**Project:**	**1172**
Date Extracted:	**11/27/96**	**Lab ID:**	**mb 06-749**
Date Analyzed:	**12/06/96**	**Data File:**	**102524.D**
Matrix:	**Water**	**Instrument:**	**GCMS1**
Units:	**ug/L (ppb)**	**Operator:**	**SB**

Surrogates:	% Recovery	Lower Limit	Upper Limit
Dibromofluoromethane	110	80	120
1,2-Dichloroethane-d4	110	80	120
Toluene-d8	108	81	117
4-Bromofluorobenzene	110	74	121

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<5	1,3-Dichloropropane	<5
Chloromethane	<5	Tetrachloroethene	<5
Vinyl chloride	<5	Dibromochloromethane	<5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<5
Chloroethane	<5	Chlorobenzene	<5
Trichlorofluoromethane	<5	Ethylbenzene	<5
Acetone	<50	1,1,1,2-Tetrachloroethane	<5
1,1-Dichloroethene	<5	m,p-Xylene	<5
Methylene chloride	<5	o-Xylene	<5
trans-1,2-Dichloroethene	<5	Styrene	<5
1,1-Dichloroethane	<5	Isopropylbenzene	<5
2,2-Dichloropropane	<5	Bromoform	<5
cis-1,2-Dichloroethene	<5	n-Propylbenzene	<5
Chloroform	<5	Bromobenzene	<5
2-Butanone (MEK)	<50	1,3,5-Trimethylbenzene	<5
1,2-Dichloroethane (EDC)	<5	1,1,2,2-Tetrachloroethane	<5
1,1,1-Trichloroethane	<5	1,2,3-Trichloropropane	<5
1,1-Dichloropropene	<5	4-Chlorotoluene	<5
Carbon Tetrachloride	<5	tert-Butylbenzene	<5
Benzene	<5	1,2,4-Trimethylbenzene	<5
Trichloroethene	<5	sec-Butylbenzene	<5
1,2-Dichloropropane	<5	p-Isopropyltoluene	<5
Bromodichloromethane	<5	1,3-Dichlorobenzene	<5
Dibromomethane	<5	1,4-Dichlorobenzene	<5
4-Methyl-2-Pentanone (MIBK)	<50	1,2-Dichlorobenzene	<5
cis-1,3-Dichloropropene	<5	1,2-Dibromo-3-chloropropane	<5
Toluene	<5	1,2,4-Trichlorobenzene	<5
trans-1,3-Dichloropropene	<5	Hexachlorobutadiene	<5
1,1,2-Trichloroethane	<5	Naphthalene	<5
2-Hexanone	<50	1,2,3-Trichlorobenzene	<5

Date of Report: December 11, 1996
Date Received: 11/26/96
Project: 1172

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260

Laboratory Code: 74296 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
1,1-Dichloroethene	µg/L (ppb)	<20	<20	nm	0-20
Benzene	µg/L (ppb)	<20	<20	nm	0-20
Trichloroethene	µg/L (ppb)	150	150	0	0-20
Toluene	µg/L (ppb)	<20	<20	nm	0-20
Chlorobenzene	µg/L (ppb)	<20	<20	nm	0-20

Laboratory Code: Spike Blank

Analyte	Reporting Units	Spike Level	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
1,1-Dichloroethene	µg/L (ppb)	50	103	103	65-135	0
Benzene	µg/L (ppb)	50	104	104	65-135	0
Trichloroethene	µg/L (ppb)	50	104	104	65-135	0
Toluene	µg/L (ppb)	50	104	105	65-135	1
Chlorobenzene	µg/L (ppb)	50	104	105	65-135	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

Date of Report: December 6, 1996
Date Received: November 26, 1996
Project: 1172
Date Samples Extracted: November 26, 1996
Date Extracts Analyzed: December 2, 1996

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GAS RANGE AND DIESEL RANGE ORGANICS BY GC/FID (Modified 8015)

Samples Processed Using Method 3510
Results Reported as µg/L (ppb)

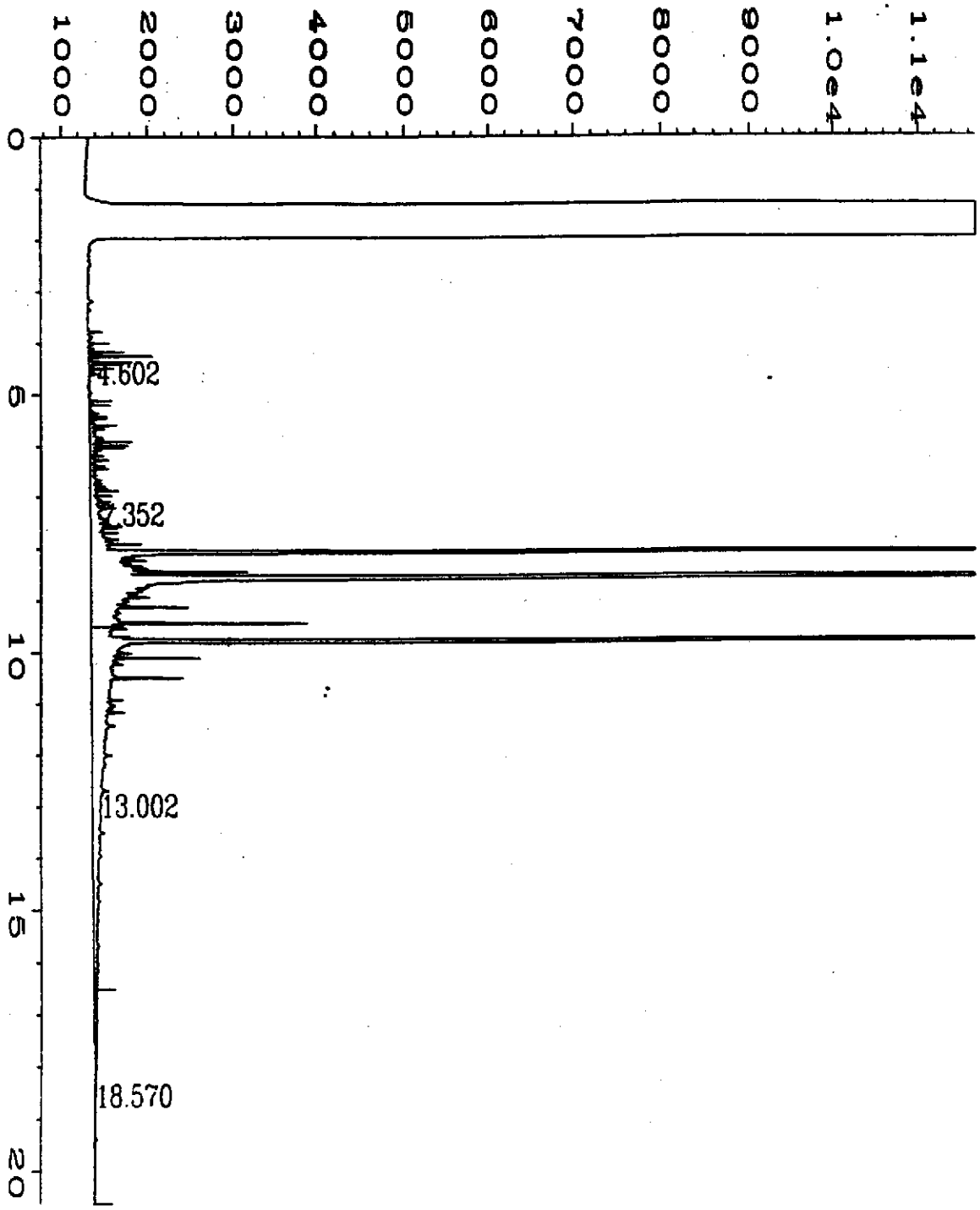
Sample ID	Gas	Diesel	Surrogate (% Recovery)
RMA-26 (Water)	<500	2,000	77
RMA-23 (Water)	<500	<500	75
Method Blank	<500	<500	92

Date of Report: December 6, 1996
Date Received: November 26, 1996
Project: 1172

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY GC/FID (MODIFIED 8015)

Laboratory Code: Spike Blank

Analyte	Reporting Units	Spike Level	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
Diesel	µg/L (ppb)	25,000	77	95	60-140	21



Data File Name : C:\HPCHEM\6\DATA\12-05-96\003F0301.D
Operator : SB
Instrument : GC #6
Sample Name : MB RR
Run Time Bar Code:
Acquired on : 05 Dec 96 03:41 PM
Report Created on: 06 Dec 96 10:50 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

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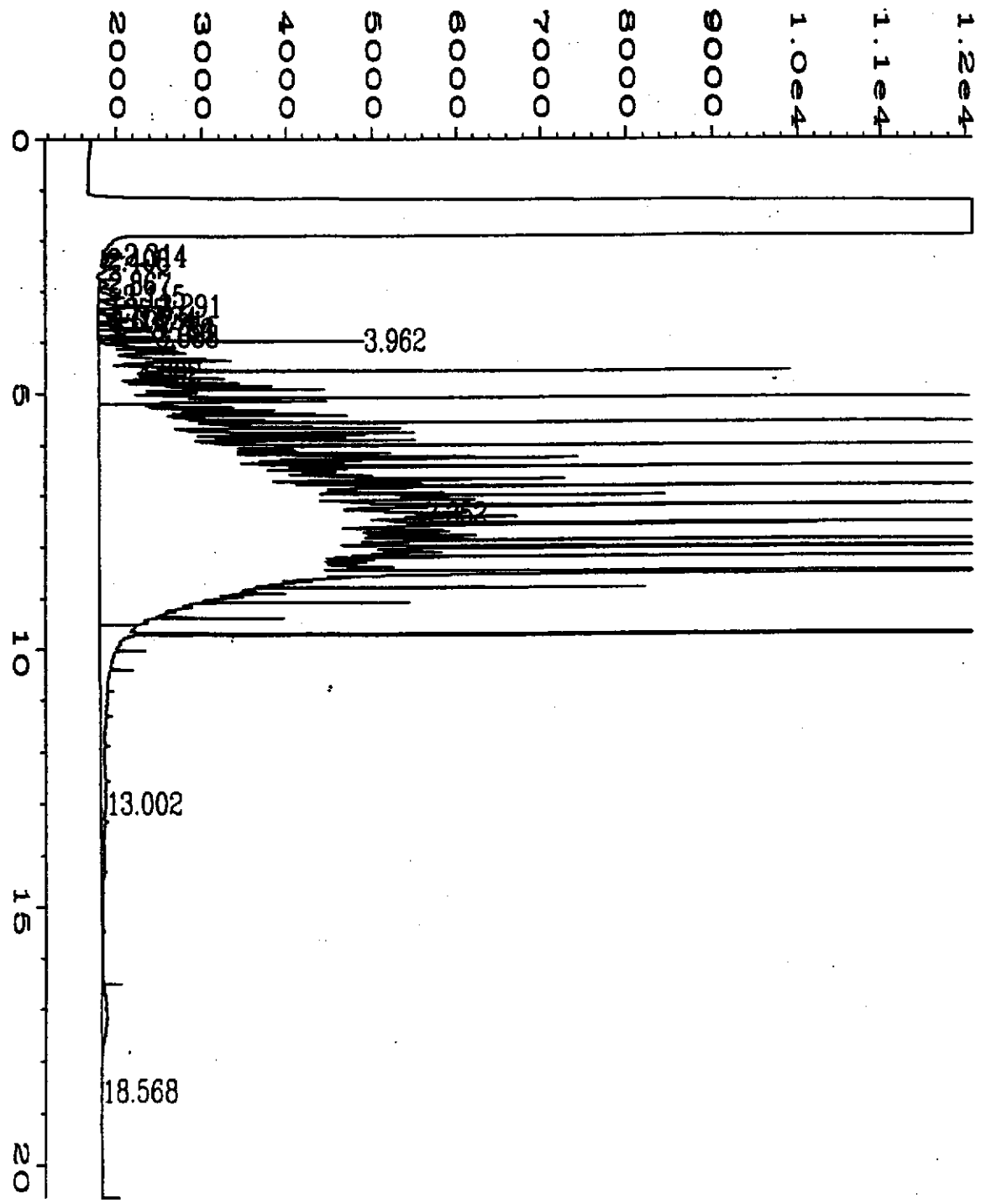

Data File Name : C:\HPCHEM\6\DATA\12-04-96\004F0301.D
Operator : TRR
Instrument : GC #6
Sample Name : 200 WADF
Run Time Bar Code:
uired on : 04 Dec 96 11:37 AM
eport Created on: 05 Dec 96 03:43 PM

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

teg Transglobal Environmental Geochemistry **Chain of Custody Record** BTB KTB VDO 11-22-96 10:20AM PO #:

Client: R. MORRISON & ASSOCIATES Date: 11/21/96 Page 1 Of 3

Address: 201 E GRAND AVE TEG Project #: Outside Lab #:

Phone: (619)480-1178 FAX: (619)480-1179 Location: VOT

Client Project #: 1172 Project Manager: Collector: Date of Collection:

Sample #	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8240	Semi Vol 8270	TRPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (gas & diesel)	PNA 610/8100	PEST/PCB's 8080	HEX Chrome	Organic Lead	Total Lead	pH	Metals	[illegible]	Date Collected Field Notes	Lab ID #	Total # of containers
RMA-3@7.5-8	7.5-8	1320	SOIL	BRASS																X	11/18/96	74158	
RMA-11@3.5-4	3.5-4	1515	SOIL	PLASTIC																X	11/19/96	74159	
RMA-11@6-6.5	6-6.5	1515	SOIL	PLASTIC																X	11/19/96	74160	
RMA-13@2.5-3	2.5-3	1005	SOIL	PLASTIC																X	11/20/96	74161	
RMA-13@6.5-7	6.5-7	1010	SOIL	PLASTIC																	11/20/96	74162	
RMA-13@8-8.5	8-8.5	1010	SOIL	PLASTIC																X	11/20/96	74163	
RMA-14@2.5-3	2.5-3	1105	SOIL	PLASTIC																X	11/20/96	74164	
RMA-14@7.5-8	7.5-8	1105	SOIL	PLASTIC																[illegible]	11/20/96	74165	
RMA-14@8.5-9	8.5-9	1105	SOIL	PLASTIC																X	11/20/96	74166	
RMA-15@5.5-6	5.5-6	1140	SOIL	PLASTIC																X	11/20/96	74167	
RMA-16@2.5-3	2.5-3	1215	SOIL	PLASTIC																	11/20/96	74168	
RMA-16@3-3.5	3-3.5	1215	SOIL	PLASTIC																X	11/20/96	74169	
RMA-17@2.5-4	3.5-4	1925	SOIL	PLASTIC																X	11/20/96	74170	
RMA-17@6.5-7	6.5-7	1925	SOIL	PLASTIC										X						X	11/20/96	74171	
RMA-19@6-6.5	6-6.5	0830	SOIL	PLASTIC																X	11/21/96	74172	

Relinquished by: (signature) Date / Time Received by: (signature) Date / Time

11/21/96 1536 11/21/96 1536

Relinquished by: (signature) Date / Time Received by: (signature) Date / Time

Tom Russell 11-22-96 9:11

Total # of containers:
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Notes:

Turn around time:

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ATTORNEY WORK PRODUCT

teg Transglobal Environmental Geochemistry

Chain of Custody Record BAB UAO 11.22.96 10:20 AM PO #: _____

Client: R. Morrison & Associates
Address: 201 E. Grand Ave
Phone: (619) 480-1178 FAX: (619) 480-1179
Client Project #: 1172 Project Manager: _____

Date: 11/21/96 Page 2 Of 3
TEG Project #: _____ Outside Lab #: _____
Location: VOT
Collector: _____ Date of Collection: _____

Sample #	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8240	Semi Vol 8270	TRPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (gas & diesel)	PNA 610/8100	PEST/PCB's 8080	HEX Chrome	Organic Lead	Total Lead	pH	Metals	Hydrocarbon Characterization				Date Collected / Field Notes	Lab ID #	Total # of containers
RMW-1B@10.5	10.5	1550	Product	2-40mL VOA										X						X				11/20/96	74173-74	
RMW-2@2.5-3	2.5-3	0900	Soil	Plastic																X				11/21/96	74175	
RMW-2@7-7.5	7-7.5	0905	Soil	Plastic																X				11/21/96	74176	
RMW-2@6-6.5	6-6.5	1005	Soil	Plastic										X						X				11/21/96	74177	
END																										

Relinquished by: (signature) _____ Date / Time 11/21/96 1536
Received by: (signature) _____ Date / Time 11/21/96 1536
Relinquished by: (signature) _____ Date / Time _____
Received by: (signature) Ron Russell Date / Time 11.22.96 9:11

Total # of containers: _____
Chain of Custody seals Y/N/NA _____
Seals intact? Y/N/NA _____
Received good condition/cold _____

Notes: _____

Turn around time: _____

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TEG Transglobal Environmental Geochemistry **Chain of Custody Record** BTB HEEL VBO 11-22-96 10:20AM PO #:

Client: R. Morrison & Associates | Date: 11/21/96 | Page 3 Of 3

Address: 201 E. Grand Ave | TEG Project #: | Outside Lab #:

Phone: (619) 480-1178 | FAX: (619) 480-1179 | Location: KOT

Client Project #: 1172 | Project Manager: | Collector: | Date of Collection:

Sample #	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8240	Semi Vol 8270	TRPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (gas & diesel)	PNA 610/8100	PEST/PCB's 8080	HEX Chrome	Organic Lead	Total Lead	pH	Metals	Hydrocarbon Characterization	Date Collected / ~~Field Notes~~	Lab ID#	Total # of containers
RMA-10 (WATER)	–	1435	WATER	1-40ml Vial			X														11/19/96	74178	
RMA-12 (WATER)	–	0920	WATER	1-40ml																X	11/20/96	74179	
RMA-13 (WATER)	–	1015	WATER	4-40ml																X	11/20/96	74180-83	
RMA-14 (WATER)	–	1115	WATER	3-40ml																X	11/20/96	74184-86	
RMA-15 (WATER)	–	1150	WATER	2-40ml																X	11/20/96	74187-88	
RMA-16 (WATER)	–	1240	WATER	2-40ml			X													X	11/20/96	74189-90	
RMA-17 (WATER)	–	1445	WATER	2-40ml																X	11/20/96	74191-92	
RMA-18 (WATER)	–	1555	WATER	2-40ml																X	11/20/96	74193-94	
RMA-19 (WATER)	–	0830	WATER	3-40ml																X	11/21/96	74195-97	
RMA-20 (WATER)	–	0915	WATER	2-40ml																X	11/21/96	74198-99	
RMA-21 (WATER)	–	1015	WATER	2-40ml																X	11/21/96	74200-01	
END —	–																						

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	11/21/96 1536	[signature]	11/21/96 1536
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
		Tom Russell	11-22-96 9:11

Total # of containers:

Chain of Custody seals Y/N/NA

Seals intact? Y/N/NA

Received good condition/cold

Notes:

Transglobal Environmental Geochemistry **Chain of Custody Record** PO #: BTB ✓ 11-26-96 12:00

Client: R. MORRISON & ASSOCIATES
Address: 701 E. GRAND AVE
Phone: (619) 480-1178 FAX: (619) 480-1179
Client Project #: 1172 Project Manager:

Date: 11/22/96 Page ___ Of ___
TEG Project #: Outside Lab #:
Location:
Collector: Date of Collection:

Sample #	Depth	Time	Sample Type	Container Type	VOA 8010 8260	VOA 8020	VOA 8240	Semi Vol 8270	TRPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (gas & diesel)	PNA 610/8100	PEST/PCB's 8080	HEX Chrome	Organic Lead	Total Lead	pH	Metals	11 [illegible] (CHARACTERIZATION)				DATE COLLECTED Field Notes	Total # of containers
RMA-25@6.5-7	6.5-7	1135	SOIL	PLASTIC																X				11/22/96 74298	
RMA-22 (WATER)	—	0840	WATER	2-40ml																X				11/22/96 74299-74300	
RMA-25 (WATER)	—	1150	WATER	2-40ml																X				11/22/96 74301-74303	
RMA-26 (WATER)	—	1405	WATER	2-40ml								X								X				11/22/96 74304-74306	
RMA-23 (WATER)	—	0940	WATER	2-40ml	X							X												74307-08	
RMA-27@6.5-7	6.5-7		SOIL																					74309	
RMA-26@5-5.5	5-5.5		SOIL																					74310	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	11/22/96 1855	[signature]	11/22/96 1855
Relinquished by: (signature)	**Date / Time**	**Received by: (signature)**	**Date / Time**
		Tom Russell	11-26-96 10:10

Total # of containers:
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time:

Notes:

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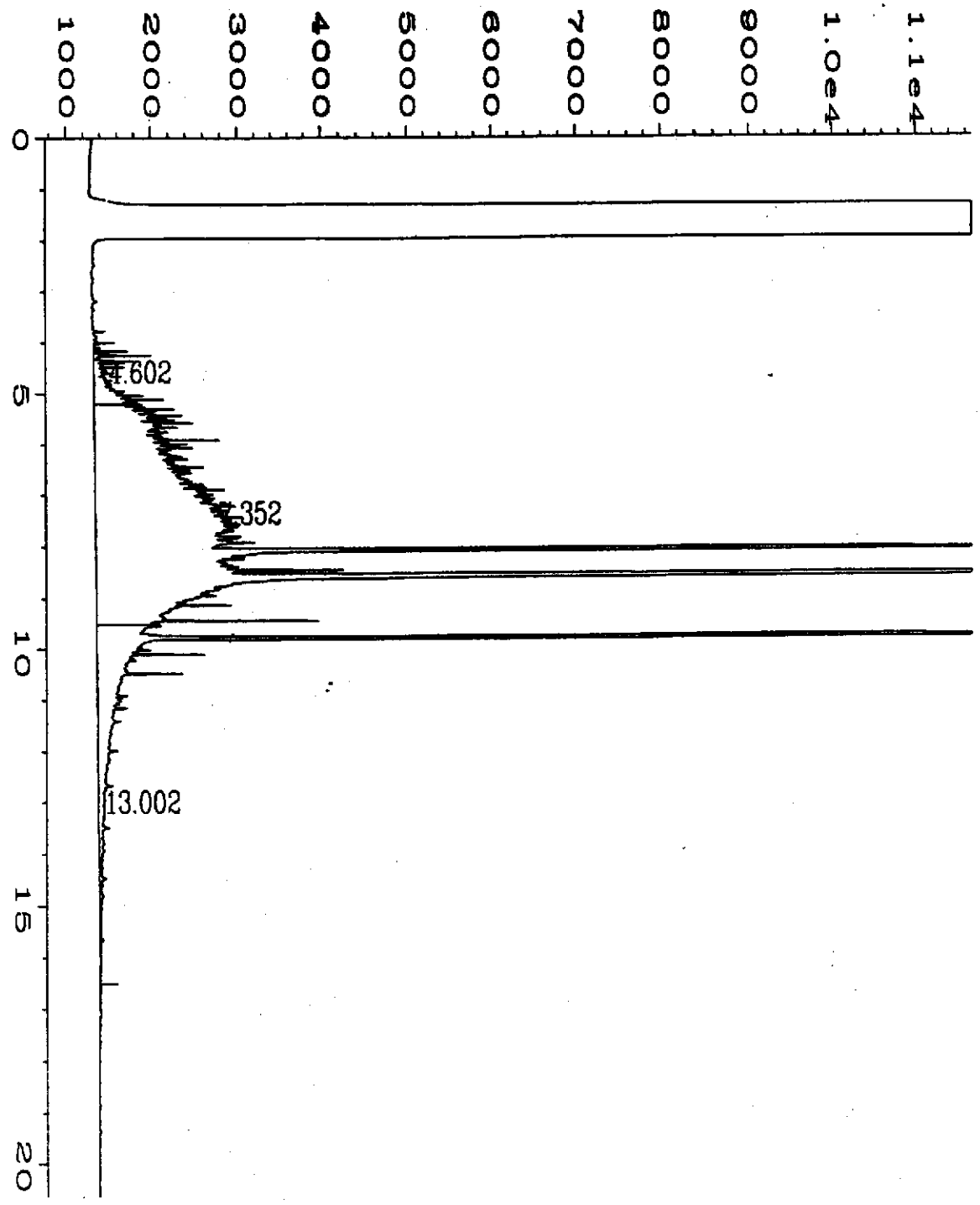

Data File Name : C:\HPCHEM\6\DATA\12-05-96\005F0301.D
Operator : SB
Instrument : GC #6
Sample Name : 74304 RR
Run Time Bar Code:
Acquired on : 05 Dec 96 04:34 PM
Report Created on: 06 Dec 96 10:50 AM

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

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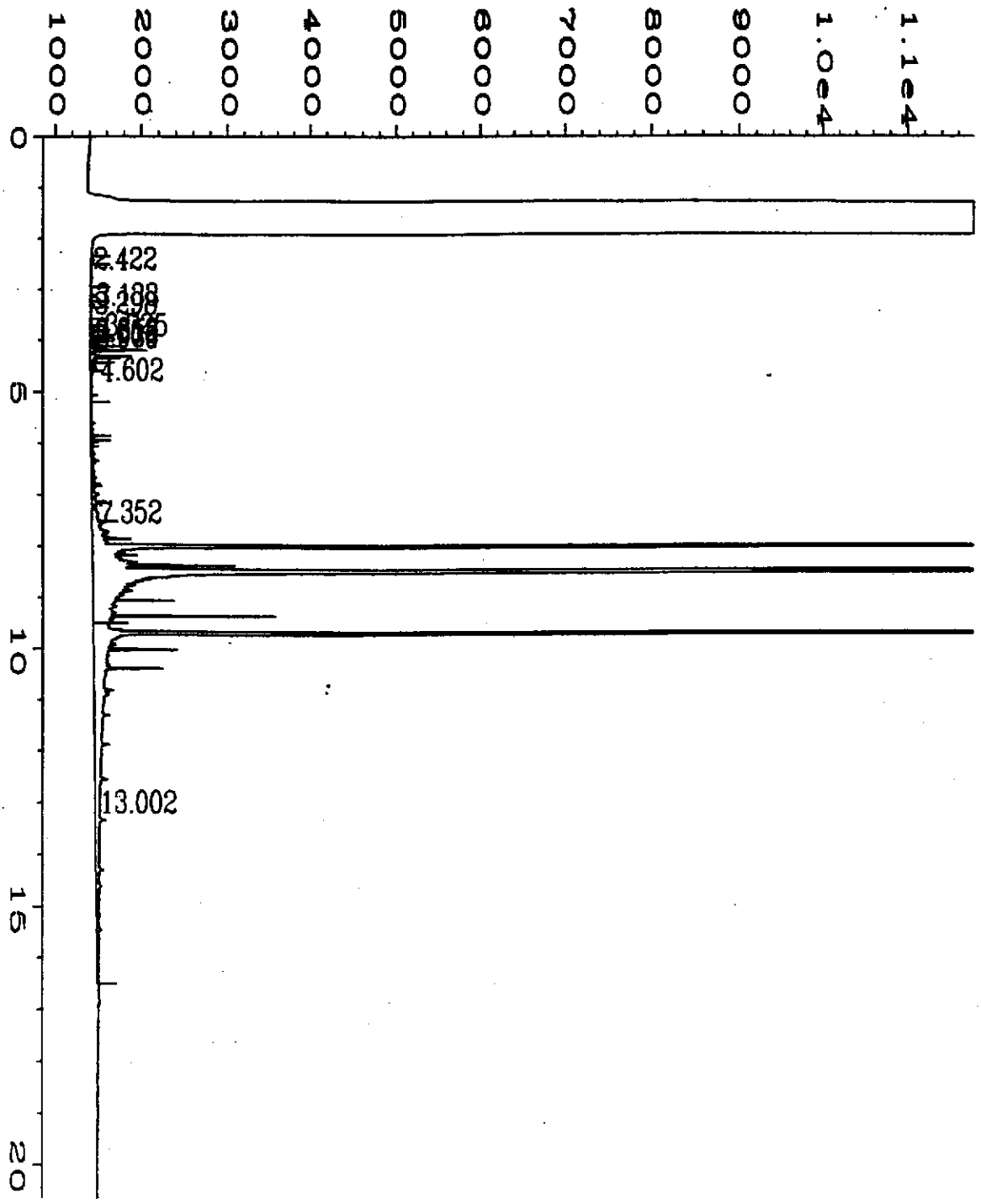
ATTORNEY WORK PRODUCT



Data File Name : C:\HPCHEM\6\DATA\12-04-96\023F0501.D
Operator : TRR
Instrument : GC #6
Sample Name : 74307
Run Time Bar Code:
Acquired on : 04 Dec 96 09:58 PM
Report Created on: 05 Dec 96 03:42 PM

Page Number : 1
Vial Number : 23
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH