FAX TRANSMITTAL

To: Jennifer Eberle

Fax:

From: Michael James

Name Of Sender:

Phone: 272-1178

Re:

No. Of Pages Including Cover Letter: 15

If there are any problems with this fax, please call as soon as possible.

NOTES

I forgot the Lab results. But, Here they are!

Partials, TEN fingerprints of W-1 & W-2

PORT OF OAKLAND
ENVIRONMENTAL
DEPARTMENT
530 WATER STREET,
5TH FLOOR
OAKLAND, CA 94607
FAX (510) 465-3755
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PORT OF OAKLAND

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 112439
CLIENT: URIBE & ASSOCIATES
PROJECT ID: 96-209
LOCATION: SHIPPER'S IMPERIAL

DATE SAMPLED: 09/23/93
DATE RECEIVED: 09/24/93
DATE EXTRACTED: 09/24/93
DATE ANALYZED: 09/28/93
DATE REPORTED: 09/28/93

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
112439-3	S-1	320	***	10
112439-4	S-2	**	5,500	100
112439-5	S-3	490	***	10
112439-6	S-6	350	***	10
112439-7	S-7	**	1,200	10
112439-8	S-8	ND	ND	1

ND = Not detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Kerosene range not reported due to overlap of hydrocarbon ranges.

*** Diesel range not reported due to overlap of hydrocarbon ranges.

QA/QC SUMMARY

RPD,%	10
RECOVERY, %	103

DRAFT

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 112436-1
CLIENT: URIBE & ASSOCIATES
PROJECT ID: 96-209
LOCATION: SHIPPERS IMPERIAL
SAMPLE ID: S-4

DATE SAMPLED: 09/23/93
DATE RECEIVED: 09/24/93
DATE EXTRACTED: 09/27/93
DATE ANALYZED: 09/28/93
DATE REPORTED: 09/29/93

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
ACID COMPOUNDS		
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl)ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl)ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy)methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	2,000
2-Nitroaniline	ND	2,000

DRAFT

Curtis & Tompkins, Ltd.

EPA 8270

LABORATORY NUMBER: 112436-1
SAMPLE ID: S-4

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	ND	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	ND	300
Benzo(k)fluoranthene	ND	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

DRAFT

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 112436-2
CLIENT: URIBE & ASSOCIATES
PROJECT ID: 96-209
LOCATION: SHIPPERS IMPERIAL
SAMPLE ID: S-5

DATE SAMPLED: 09/23/93
DATE RECEIVED: 09/24/93
DATE EXTRACTED: 09/27/93
DATE ANALYZED: 09/28/93
DATE REPORTED: 09/29/93

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	300
2-Chlorophenol	ND	300
Benzyl Alcohol	ND	300
2-Methylphenol	ND	300
4-Methylphenol	ND	300
2-Nitrophenol	ND	2,000
2,4-Dimethylphenol	ND	300
Benzoic Acid	ND	2,000
2,4-Dichlorophenol	ND	2,000
4-Chloro-3-methylphenol	ND	300
2,4,6-Trichlorophenol	ND	300
2,4,5-Trichlorophenol	ND	2,000
2,4-Dinitrophenol	ND	2,000
4-Nitrophenol	ND	2,000
4,6-Dinitro-2-methylphenol	ND	2,000
Pentachlorophenol	ND	2,000
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	300
Aniline	ND	300
Bis(2-chloroethyl)ether	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300
Bis(2-chloroisopropyl)ether	ND	300
N-Nitroso-di-n-propylamine	ND	300
Hexachloroethane	ND	300
Nitrobenzene	ND	300
Isophorone	ND	300
Bis(2-chloroethoxy)methane	ND	300
1,2,4-Trichlorobenzene	ND	300
Naphthalene	ND	300
4-Chloroaniline	ND	300
Hexachlorobutadiene	ND	300
2-Methylnaphthalene	ND	300
Hexachlorocyclopentadiene	ND	300
2-Chloronaphthalene	ND	300
2-Nitroaniline	ND	2,000

DRAFT

Curtis & Tompkins, Ltd.

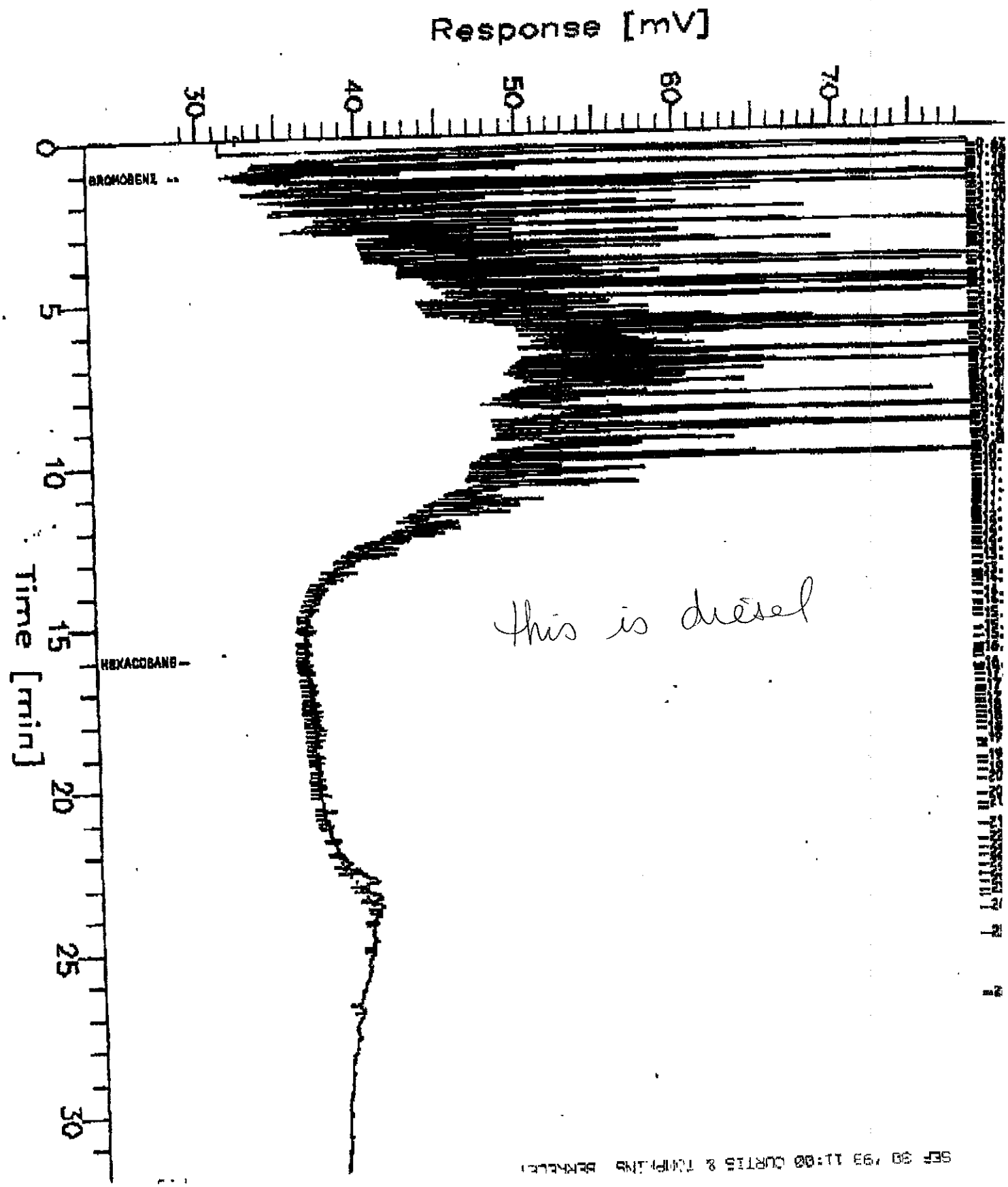
LABORATORY NUMBER: 112436-2 **EPA 8270**
SAMPLE ID: S-5

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	300
Acenaphthylene	ND	300
2,6-Dinitrotoluene	ND	300
3-Nitroaniline	ND	2,000
Acenaphthene	ND	300
Dibenzofuran	ND	300
2,4-Dinitrotoluene	ND	300
Diethylphthalate	ND	300
4-Chlorophenyl-phenylether	ND	300
Fluorene	ND	300
4-Nitroaniline	ND	2,000
N-Nitrosodiphenylamine	ND	300
Azobenzene	ND	300
4-Bromophenyl-phenylether	ND	300
Hexachlorobenzene	ND	300
Phenanthrene	ND	300
Anthracene	ND	300
Di-n-butylphthalate	ND	300
Fluoranthene	ND	300
Pyrene	ND	300
Butylbenzylphthalate	ND	300
3,3'-Dichlorobenzidine	ND	2,000
Benzo(a)anthracene	ND	300
Chrysene	ND	300
Bis(2-ethylhexyl)phthalate	ND	300
Di-n-octylphthalate	ND	300
Benzo(b)fluoranthene	ND	300
Benzo(k)fluoranthene	ND	300
Benzo(a)pyrene	ND	300
Indeno(1,2,3-cd)pyrene	ND	300
Dibenzo(a,h)anthracene	ND	300
Benzo(g,h,i)perylene	ND	300

ND = Not detected at or above reporting limit.

Sample Name : 112439-002 W-2
FileName : d:\gc13\che\272a016.raw
Method : TEN_CHA.lms
Start Time : 0.00 min End Time : 31.92 min
Scale Factor: -1 Plot Offset: 29 mV

Sample #: fingerprin
Date : 9/30/93 5:10 AM
Time of Injection: 9/30/93 4:38 AM
Low Point : 28.80 mV High Point : 78.80 mV
Plot Scale: 50 mV



Sample Name : 112439-001 G-1
FileName : g:\gc13\chs\2728015.raw
Method : TEH_CHA.ins
Start Time : 0.00 min End Time : 31.92 min
Scale Factor: -1 Plot Offset: 29 mV

Sample #: fingerprin
Date : 9/30/93 4:28 AM
Time of Injection: 9/30/93 3:53 AM
Low Point : 28.76 mV High Point : 78.76 mV
Plot Scale: 50 mV

Response [mV]

30 40 50 60 70

0

BROMOBENZ

5

10

Time [min]

15

HEXACOSANE

20

25

30

This is diesel

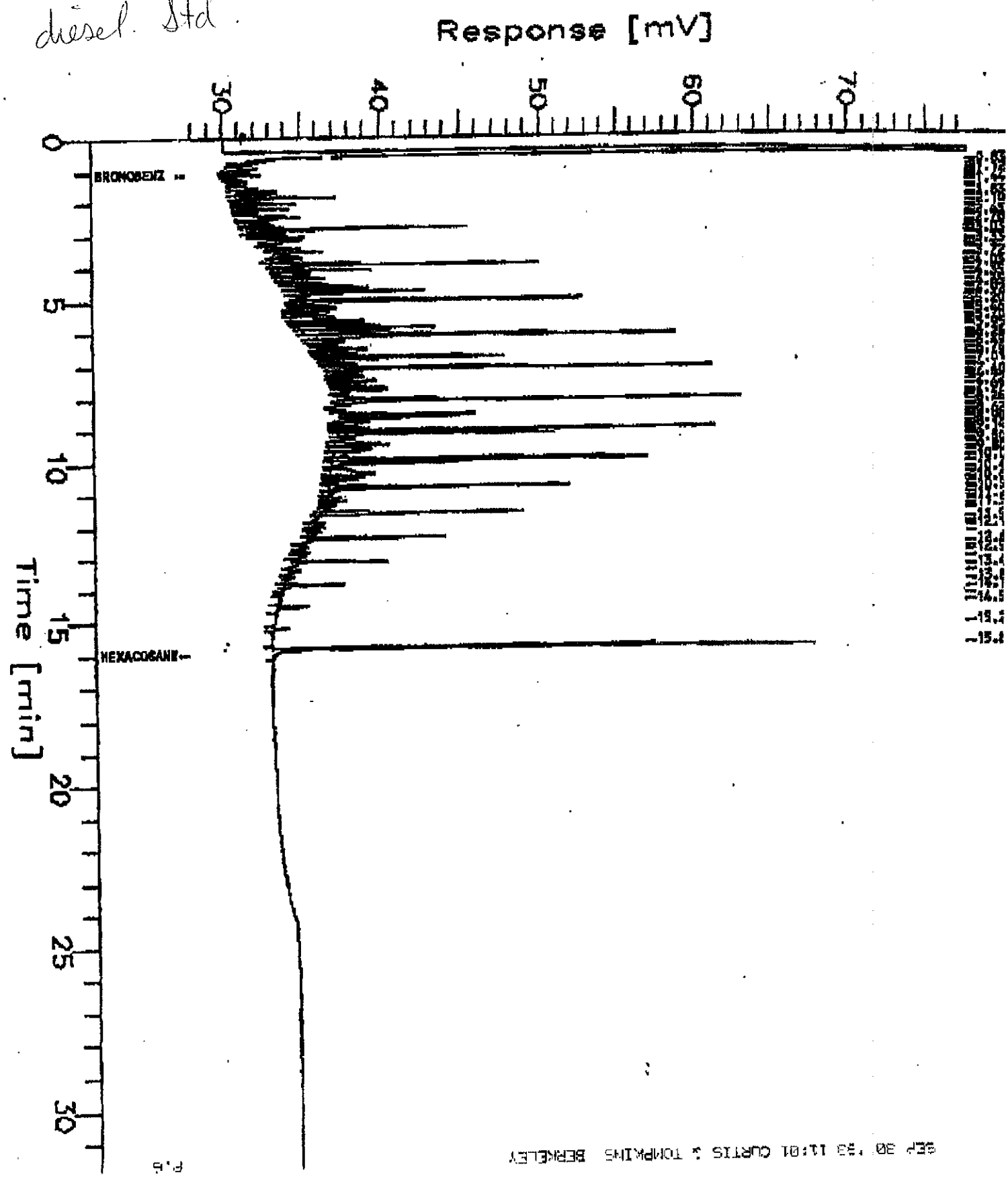
Sample Name : diesel 513 mg/L
Filename : s:\oct13\cha\272a003.raw
Method : TEH_CHA.inm
Start Time : 0.00 min
Scale Factor: -1

End Time : 31.92 min
Plot Offset: 28 mV

Sample #: 93uA5883
Date : 9/29/93 7:55 PM
Time of Injection: 9/29/93 7:21 PM
Low Point : 27.56 mV
Plot Scale: 50 mV

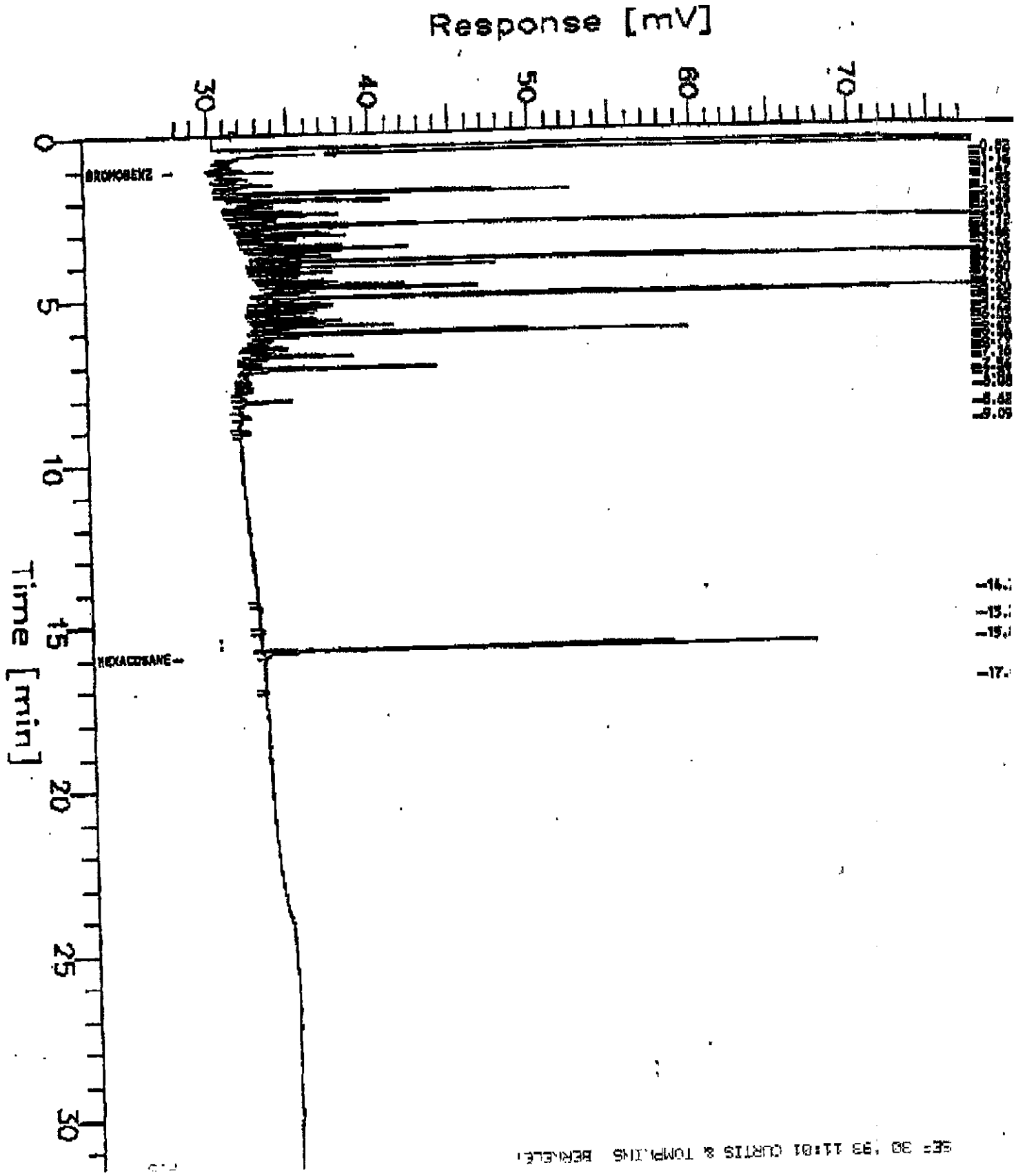
High Point : 77.56 mV

diesel Std.



Sample Name : kerosene 255 mg/L
FileName : B:\9013\che\272e002.raw
Method : TEH_CHA.fm
Start Time : 0.00 min
Scale Factor: -1
End Time : 31.92 min
Plot Offset: 28 mV

Sample #: 95ua5584
Date : 9/29/93 7:12 PM
Time of Injection: 9/29/93 6:39 PM
Low Point : 27.82 mV
High Point : 77.62 mV
Plot Scale: 50 mV



ple Name : gasoline 219 ug/L
eName : f:\gc13\cha\165a003.raw
hod : TEK_CHA.ins
rt Time : 0.00 min End Time : 31.92 min
le Factor: 1 Plot Offset: 24 mV

Sample #: ws2801 Page 1 of 1
Date : 7/3/92 9:09 PM
Time of Injection: 7/3/92 8:36 PM
Low Point : 26.41 mV High Point : 74.41 mV
Plot Scale: 50 mV

Response [mV]

30 40 50 60 70

0

BROMOBENZ

5

10

15

HEXACOSANE

15.5

Time [min]

20

25

30

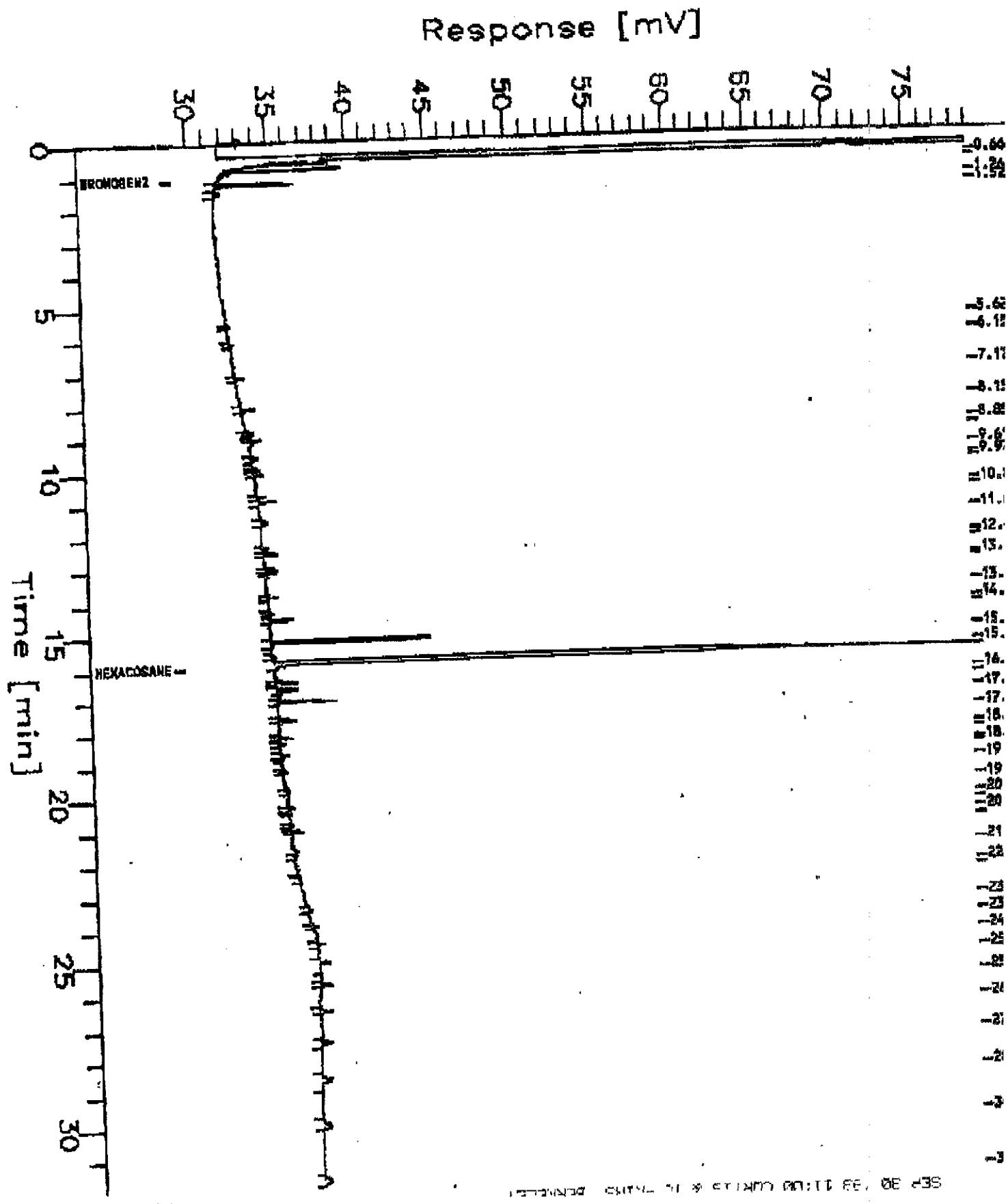
22.9
23.9
24.2
24.7
25.2
25.6
26.1
26.4
27.2
27.6
28.0
28.5
30.2

SEP 30 '93 11:29 CURTIS & TOMPKINS BERKELEY

Sample Name : Method Blank 9327
FileName : g:\gc13\che\270a005.raw
Method : TEH_CHA.ins
Start Time : 0.00 min
Scale Factor: -1

End Time : 31.92 min
Plot Offset: 29 mV

Data : 9/27/93 11:21 PM
Time of Injection: 9/27/93 10:49 PM
Low Point : 29.05 mV
High Point : 79.05 mV
Plot Scale: 50 mV



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 112439
CLIENT: URIBE & ASSOCIATES
PROJECT ID: 96-209
LOCATION: SHIPPER'S IMPERIAL

DATE SAMPLED: 09/23/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 09/29/93
DATE REPORTED: 09/29/93

Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	SAMPLE ID	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)	REPORTING LIMIT (ug/Kg)
		ppm				
112439-1	W-1	110 110,000*	ND	1,400,000	3,100,000	200,000
112439-2	W-2	180 180,000**	330,000**	1,800,000	5,600,000	300,000

why is water in ug/kg ? Should be ug/L
indicates gasoline

*Analyzed at a 1:32,000 dilution on 09/27/93.

**Analyzed at a 1:50,000 dilution on 09/27/93.

ND = Not detected at or above reporting limit.

Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	93

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

2323 5th Street
Berkeley, CA 94710
Phone: (510) 486-0900
FAX: (510) 486-0532

FAX TRANSMISSION

To:

NAME Michael James 465-3755

COMPANY FAX NUMBER

From:

NAME Lorrie Brown

Reference:

Message:

If you do not receive all pages, Please Call (510) 486-0900 **Page:**_____ **of** _____

Date:_____

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 112439
CLIENT: URIBE & ASSOCIATES
PROJECT ID: 96-209
LOCATION: SHIPPER'S IMPERIAL

DATE SAMPLED: 09/23/93
DATE RECEIVED: 09/24/93
DATE ANALYZED: 09/28/93
DATE REPORTED: 09/29/93

Total Volatile Hydrocarbons with BTXE in Soils & Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

8015

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
112439-3	S-1	700	6,700 6.7	2,600	9,200	25,000
112439-4	S-2	5	23 .023	19	30	66
112439-5	S-3	1,700	ND(500)	2,000	13,000	52,000
112439-6	S-6	1,300	290 .29	8,500	11,000	51,000
112439-7	S-7	190	51 .051	250	410	4,200
112439-8	S-8	8	ND(5)	6	ND(5)	23

ppm

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	9
RECOVERY, %	92

Table 1 Summary of Gasoline and BTEX Results for Confirmation Samples

	Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	diesel
	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ppm
10-5-93 CON-1 at 9'	900	2,500	20,000	15,000	65,000	6700
CON-2 9'	1,500	5,700	36,000	22,000	82,000	1600
CON-3 9'	ND	ND	ND	ND	ND	ND
10-15 CON-1-2.0	ND	ND	ND	ND	ND	25
CON-2-2.0	ND	ND	ND	ND	ND	140