

GRIBI Associates

Geological and Environmental Consulting Services

4500 ppb MTBE
water

FACSIMILE TRANSMITTAL

at 1100
Gwe ~ 10' bgs

2/4/00
3800 gal pumped out
at 8.5' bgs. slow to
recharge

Date: FEBRUARY ³ 2, 2000

To: EVA CHU
ALAMEDA COUNTY
ENVIRONMENTAL HEALTH

Fax No.: (510)337-9335

From: JIM GRIBI
Phone: (707)748-7743 cell 707/479-8257
Fax: (707)748-7763

Willy: cell 415/559-2004

Roger: Pgr 800/829-4933

Number of pages, including this transmittal page: 28

Eva,

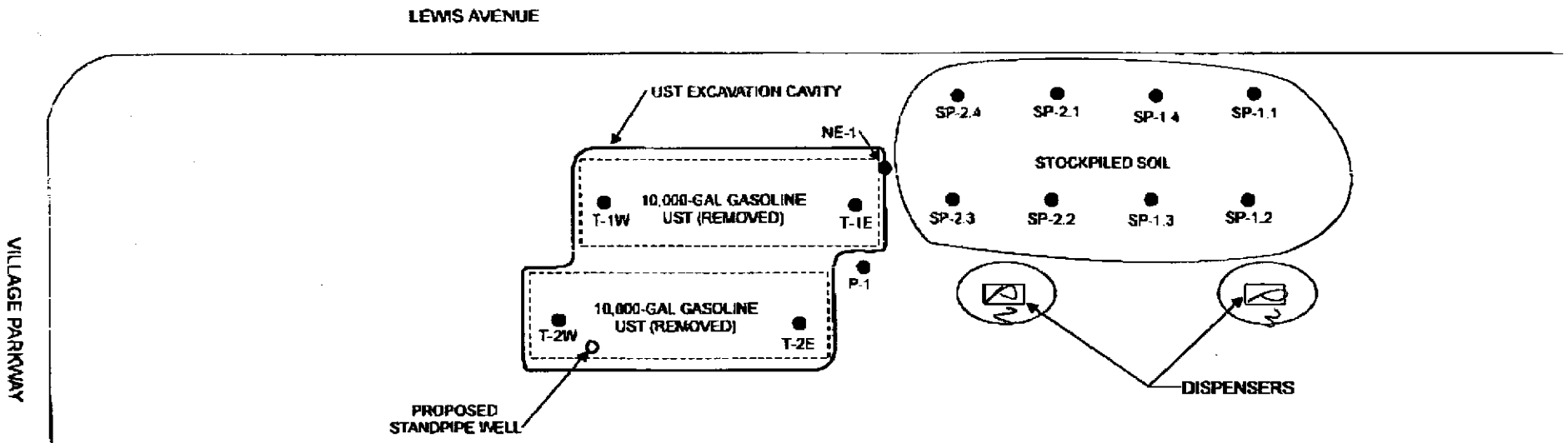
Attached please find a site plan and all current lab results for the Corwood Car Wash site. Tomorrow morning Willy plans to: (1) Remove stockpiled soil (100cy) and backfill materials in excavation (50cy); (2) Dewater the excavation cavity; and (3) Place backfill gravel or base rock up to above groundwater level (7-8 ft).

In order to minimize water disposal costs, Willy will try to place the gravel/base rock immediately after removing backfill soils, before too much water recharges back into the excavation cavity (4 feet of water in the bottom of the excavation would amount to over 15,000 gallons of water). In order to collect a representative water sample, I propose to install a temporary standpipe well in the southwest corner of the excavation cavity (see attached site plan). This standpipe will be constructed of 4-inch diameter Schedule 40 PVC, with five feet of 0.020-inch slotted well screen (12-7 ft in depth), followed by six to seven feet of blank casing. Depending on how the recharged groundwater looks, we can either pull the temporary casing or place a well box at the surface.

Note: WS-1 = Water Sample

Thanks!

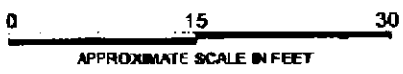
Jim



**CORWOOD CAR WASH
6973 VILLAGE PARKWAY**

Handwritten notes:

- P-3-1 showed silty sand w/ oil of 30%.
- 55' collected.
- 4' soil @ 16' showed what I thought was silty sand w/ no oil.
- P-3-2 deep sample at 7' silty clay w/ no oil (55' at capillary).
- 6' - silty sand w/ no oil.
- 5" screen casing will also be placed by P-3 for future GW sampling - oops.
- encountered a gas line (not in placement information, but could not be confirmed).
- Will do HP next time.
- GW at 10' bys - slight odor.
- GW sample collected.
- Analyze GW for TOL, TALL, BTEX + NTA/E.



DESIGNED BY:	CHECKED BY:
DRAWN BY: JEG	SCALE:
PROJECT NO: 106-02-02	

SITE PLAN
CORWOOD CAR WASH
6973 VILLAGE PARKWAY

DATE: 02/02/00 FIGURE 2

GRIBI Associates



Acculabs Inc.

Fax Transmission

To:	<u>Jim Gribi</u>	Date:	<u>2-2-00</u>
At:	_____	No. of	_____
Fax:	_____	Pages:	<u>5</u>
From:	<u>Tom Kuoka</u>	Original	_____
Re:	_____	Mailed:	Y N

Originating Location: Acculabs Inc.
 Davis
 Phone: 530-757-0920
 Fax: 530-753-6091

Comments: _____

Date: _____

Reply: _____

Davis/Sacramento

Durango

Golden

Sparks/Reno

FEB-02-00 WED 10:34 AM ACCULABS DAVIS

FAX NO. 530 753 6091

P. 02/05

**Acculabs Inc.**

Davis

Sample Log 21016

MTBE (Methyl-t-butyl ether) By EPA Method 8020/602

From : CORWOOD CW
Sampled : 01/31/00
Received : 01/31/00
Matrix : Soil

SAMPLE	Date Analyzed	(MRL) <small>ug/kg</small>	Measured Value <small>ug/kg</small>
T-1E (14 FT)	02/01/00	(.050)	<.050
T-1W (13 FT)	01/31/00	(.050)	<.050
T-2E (13 FT)	02/01/00	(.050)	<.050
T-2W (14 FT)	02/01/00	(.050)	<.050
SP-1.1,1.2,1.3,1.4	02/01/00	(.15)	<.15
SP-2.1,2.2,2.3,2.4	02/01/00	(.25)	<.25

Approved By:

Tom Kwoka
Lab Director



Acculabs Inc.

Davis

Sample Log 21016

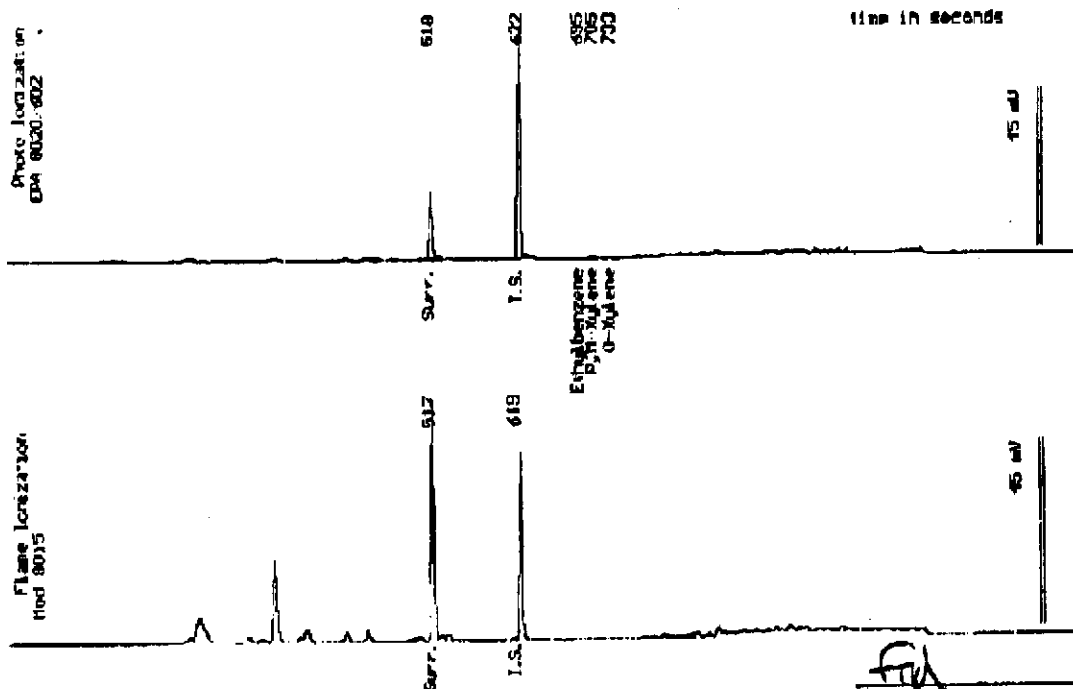
21016-01

Sample: T-1E (14 FT)

From : CORWOOD CW
Sampled : 01/31/00
Dilution : 1:1
Matrix : Soil

Run Log : 2187G

Parameter	(MRL) <small>ug/kg</small>	Measured Value <small>ug/kg</small>
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
IPH as Gasoline	(1.0)	<1.0
Surrogate Recovery		102 %



Date Analyzed: U2-01-00
Column : 0.32mm X 60m Restek Rtx-1931

[Signature]
Stewart Papelsky
Senior Chemist



Acculabs Inc.

Davis

Sample Log 21016

21016-02

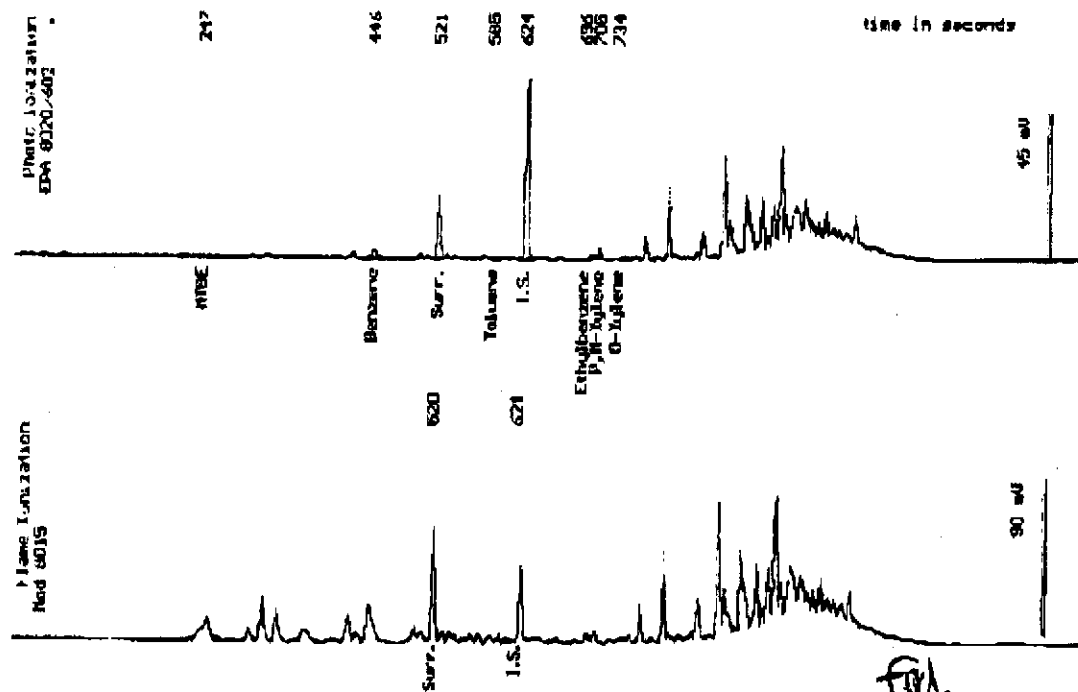
Sample: T-1W (13 FT)

From : CORWOOD CW
Sampled : 01/31/00
Dilution : 1:1
Matrix : Soil

Run Log : 2187F

Parameter	(MRL) ug/kg	Measured Value ug/kg
Benzene	(.0050)	.012
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	.0092
TPH as Gasoline	(1.0)	2.1
Surrogate Recovery		101 %

* Product is not typical gasoline.



Date Analyzed: 01-31-00
Column: 0.53mm X 40m Restek Rtx-1301

Stewart
Stewart Radolsky
Senior Chemist



Acculabs Inc.

Davis

Sample Log 21016

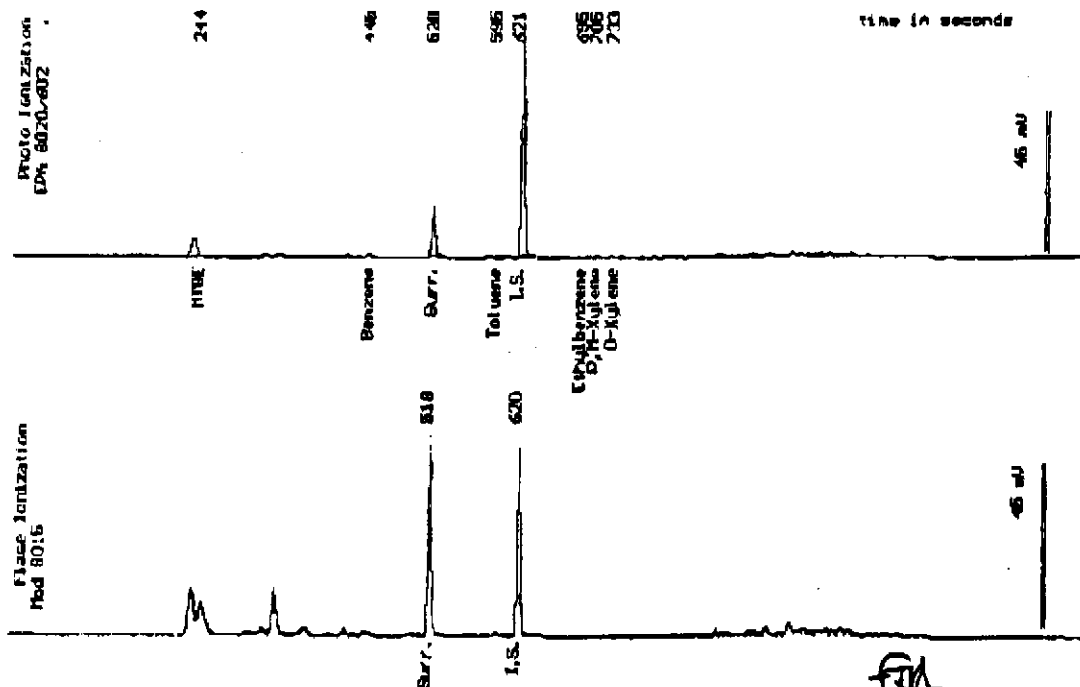
21016-03

Sample: T-2E (13 FT)

From : CORWOOD CW
 Sampled : 01/31/00
 Dilution : 1:1
 Matrix : Soil

Run Log : 2187F

Parameter	(MRL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
IPH as Gasoline	(1.0)	<1.0
Surrogate Recovery		99 %



Date Analyzed: 02-01-00
 Column : 0.83mm X 60m Restek Bx-1301

SM
 Steven M. Goleby
 Senior Chemist



Acculabs Inc.

Davis

Sample Log 21016

21016-04

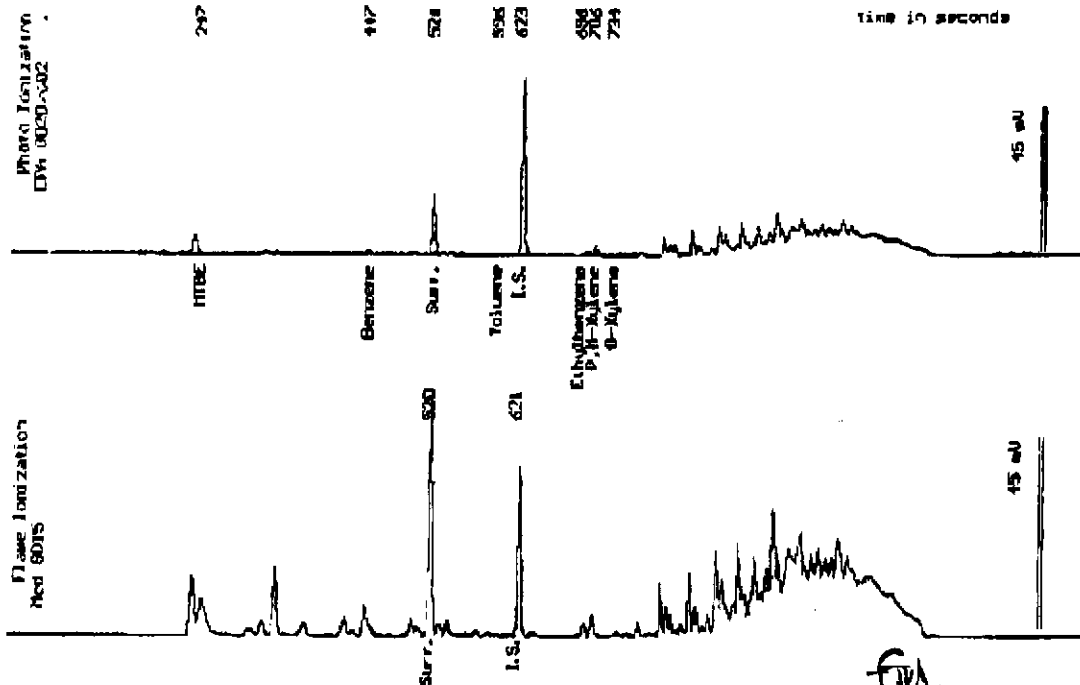
Sample: T-2W (14 FT)

From : CORWOOD CW
 Sampled : 01/31/00
 Dilution : 1:1
 Matrix : Soil

Run Log : 2187F

Parameter	(MRL) ug/kg	Measured Value ug/kg
Benzene	(.0050)	<.0050
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	.0079
TPH as Gasoline	(1.0)	1.3
Surrogate Recovery		99 %

* Product is not typical gasoline.



Date Analyzed: 02-01-00
 Column: 0.83mm X 40m Durotek Rt-1301

Shaw-Walshby
 Senter Analyst



Acculabs Inc.

Davis

Sample Log 21016

21016-05

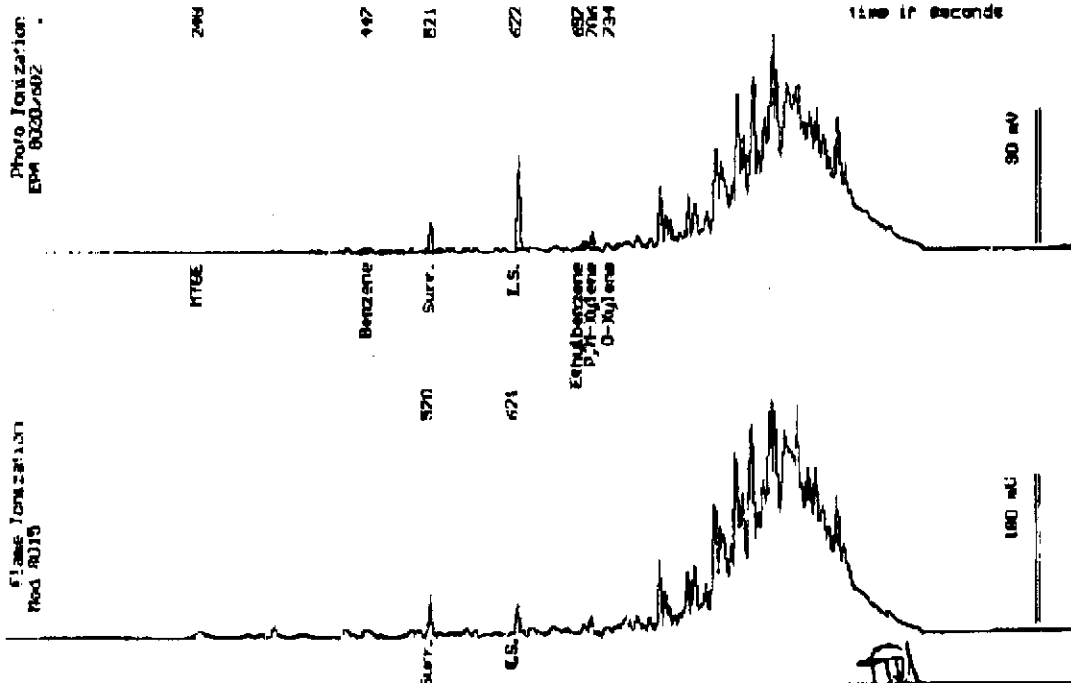
Sample: SP-1.1,1.2,1.3,1.4

From : CORWOOD CW
Sampled : 01/31/00
Dilution : 1:3
Matrix : Soil

Run Log : 2187F

Parameter	(MRL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
Benzene	(.015)	.022
Toluene	(.015)	<.015
Ethylbenzene	(.015)	.085
Total Xylenes	(.015)	.20
TPH as Gasoline	(3.0)	160 *
Surrogate Recovery		102 %

* Product is not typical gasoline.



Date Analyzed: 02-01-00
Column: 5.03mm X 60m Restek Rtx-1201

Stewart Roditsky
Senior Scientist



Acculabs Inc.

Davis

Sample Log 21016

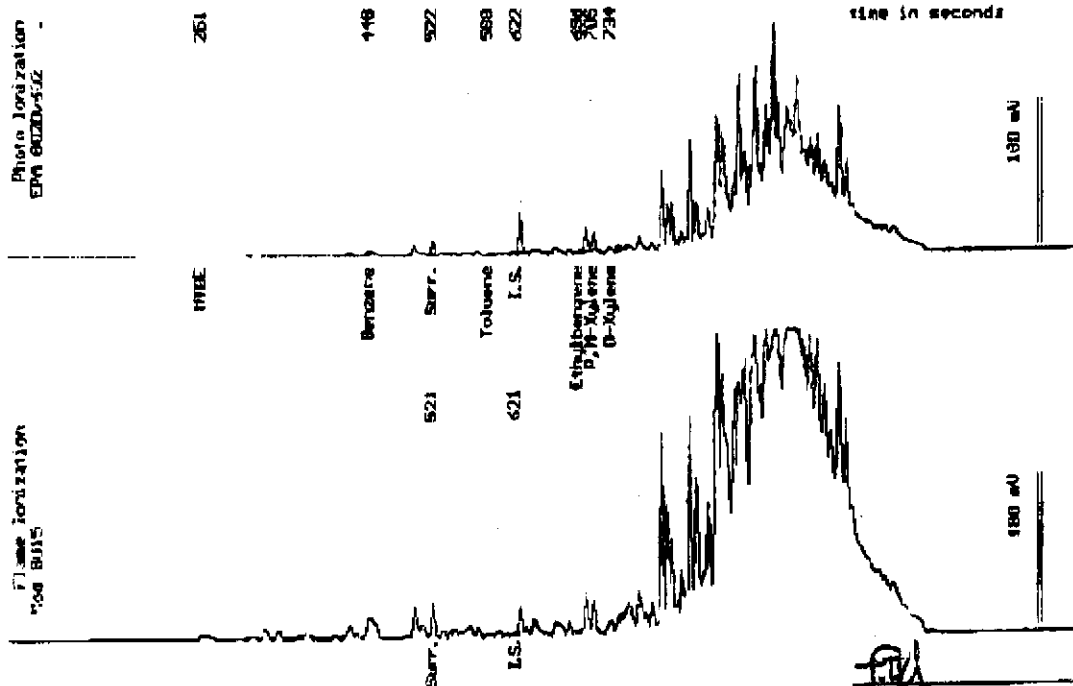
21016-06

Sample: SP-2.1,2.2,2.3,2.4

From : CORWOOD CW
 Sampled : 01/31/00
 Dilution : 1:5
 Matrix : Soil

Run Log : 2187F

Parameter	(MRL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
Benzene	(.025)	.055
Toluene	(.025)	.041
Ethylbenzene	(.025)	.76
Total Xylenes	(.025)	.66
TPH as Gasoline	(5.0)	480 *
Surrogate Recovery		109 %
* Product is not typical gasoline.		



Date Analyzed: 02-01-00
 Column: 0.53mm X 50m Restek Rtx-1301

Stewart Rodolakis
 Senior Chemist



Acculabs Inc.

Davis

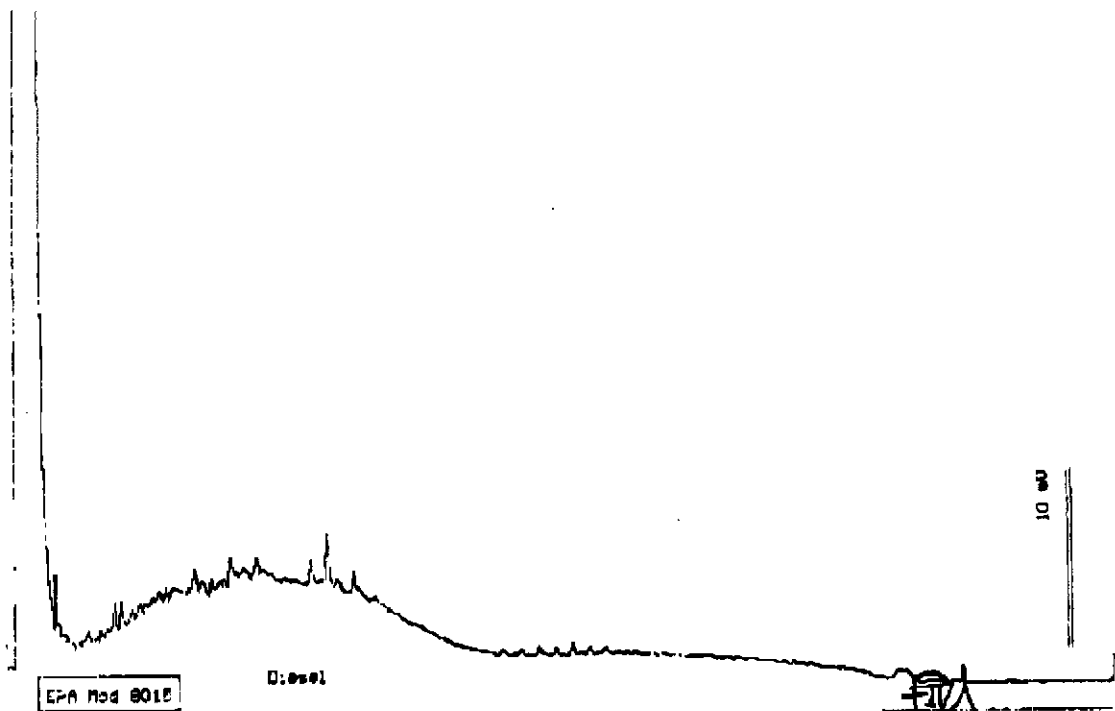
Sample Log 21016
21016-01

Sample: T-1E (14 FT)

From : CORWOOD CW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:1
Matrix : Soil

QC Batch : DS000201
Run Log : 7460A

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	6.1



Date: 02-02-00 Time: 17:21:09
Column: 0.63mm ID x 10m DB1 (J&W Scientific)

Steve Pridelstu
Senior Chemist



Acculabs Inc.

Davis

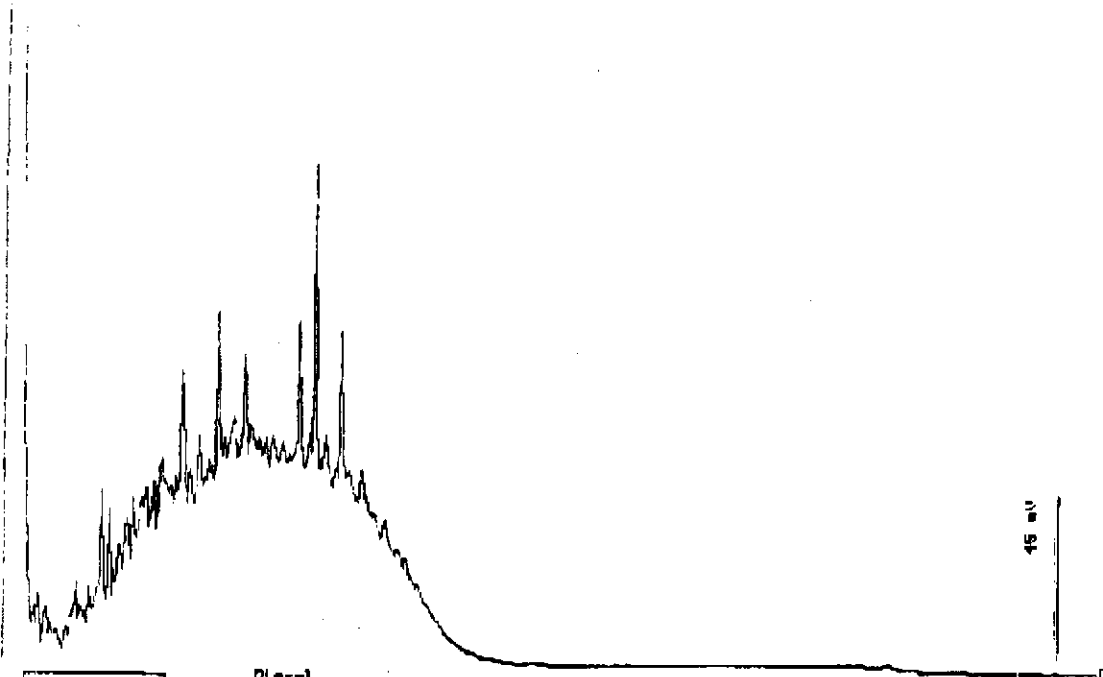
Sample Log 21016
21016 02

Sample: T-1W (13 FT)

From : CORWOOD CW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:4
Matrix : Soil

QC Batch : DS000201
Run Log : 7460C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(4.0)	330



Date: 02-03-00 Time: 10:08:04
Column: 0.63mm ID x 16m DB1 (J&H Scientific)

FWA
Stewart Podolsky
Senior Analyst



Acculabs Inc.

Davis

Sample Log 21016

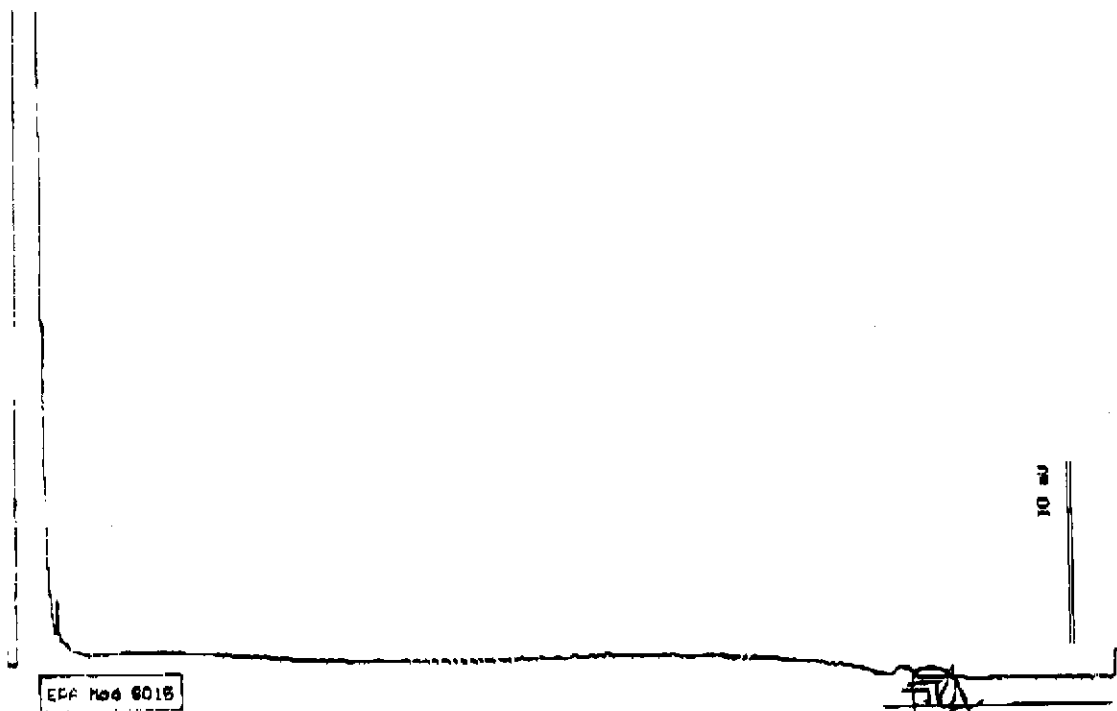
21016-03

Sample: T-2E (13 FT)

From : CORWOOD CW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:1
Matrix : Soil

QC Batch : DS000201
Run Log : 7460B

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



EPA Method 8015

Date: 02-02-00 Time: 18:55:56
Column: 0.53mm ID X 18m DB1 (J&W Scientific)

Stewart Adolish
Senior Analyst



Acculabs Inc.

Davis

Sample Log 21016

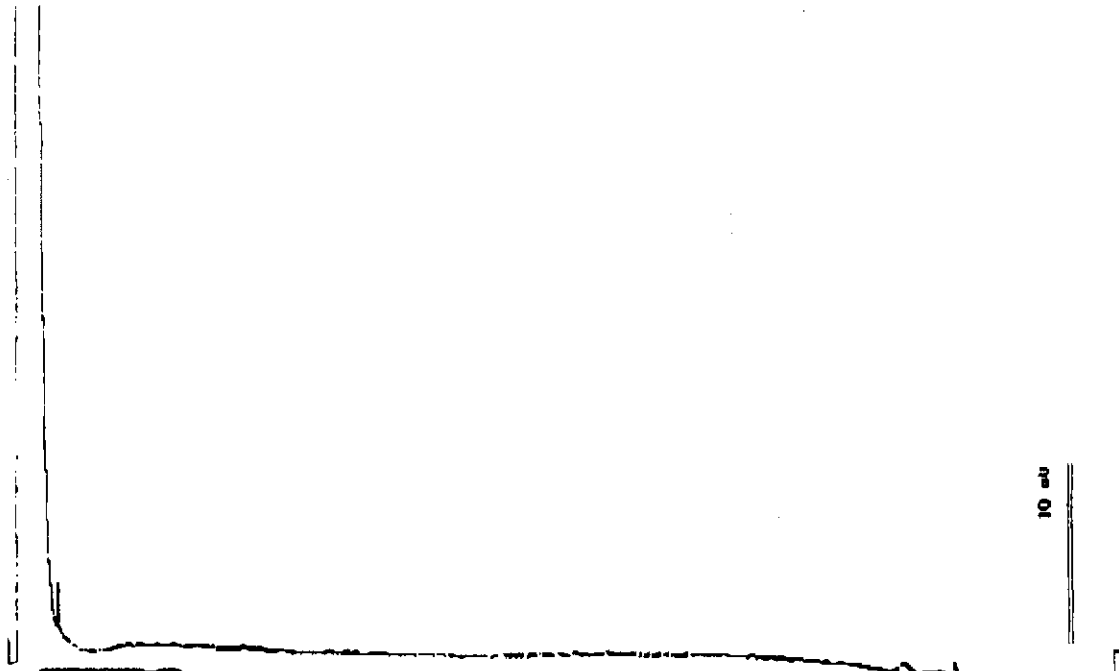
21016 04

Sample: T-2W (14 FT)

From : CORWOOD SW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:1
Matrix : Soil

QC Batch : DS000201
Run Log : 7450B

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



Date: 02-02-00 Time: 20:35:30
Volume: 0.53ml 10 X 15m DB1 (J&H Scientific)

Stewart Potolsky
Senior Chemist



Acculabs Inc.

Davis

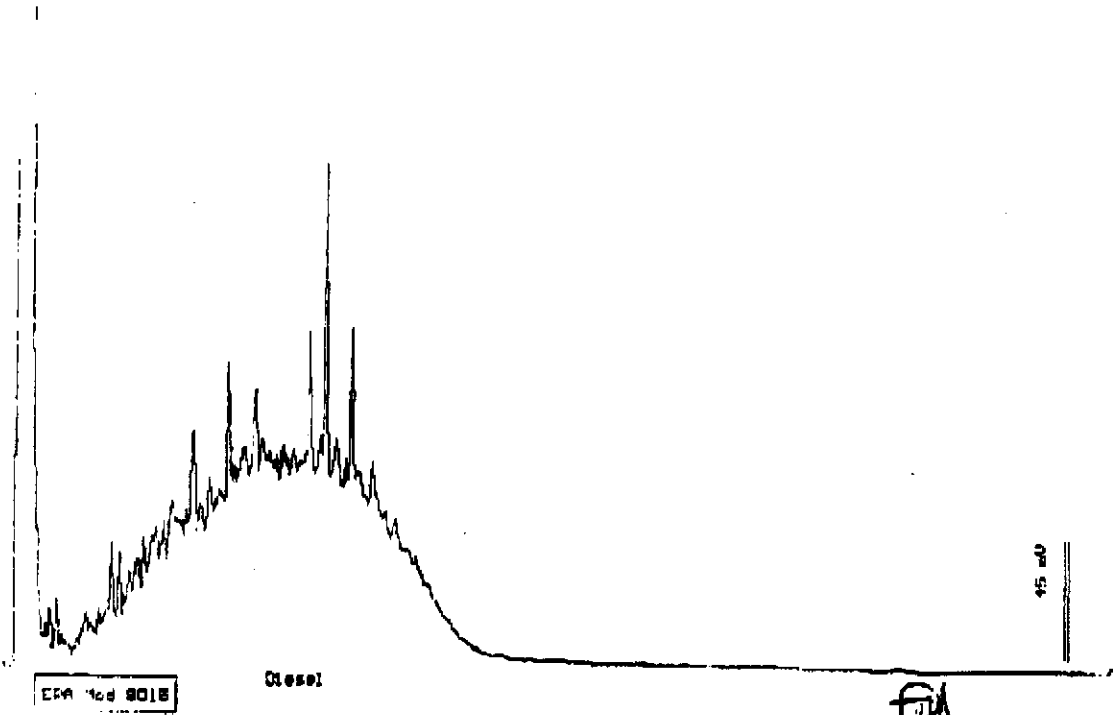
Sample Log 21016
21016 05

Sample: SP-1.1,1.2,1.3,1.4

From : CORWOOD CW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:10
Matrix : Soil

QC Batch : DS000201
Run Log : 7460C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	1000



Date: 02-09-00 Time: 11:10:58
Column: 0.63mm ID x 15m DB1 (J&W Scientific)

Stewart Padolstky
Senior Chemist



Acculabs Inc.

Davis

Sample Log 21016

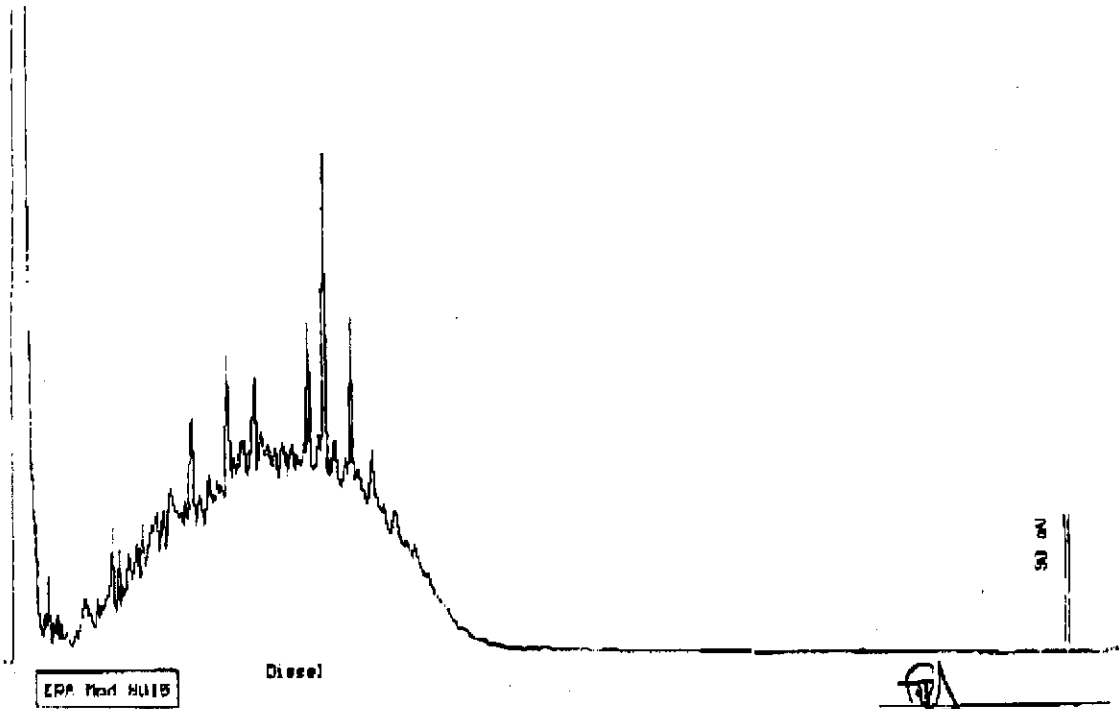
21016-06

Sample: SP-2.1,2.2,2.3,2.4

From : CORWOOD CW
Sampled : 01/31/00
Extracted: 02/02/00
Dilution : 1:10
Matrix : Soil

QC Batch : DS000201
Run Log : 7460B

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(10)	1900



Date: 02-02-00 Time: 21:42:47
Column : 0.83mm ID X 15m DB1 (J&W Scientific)

Stewart Rodolfs
Senior Chemist

WEST LABORATORY

CHANGE ORDER FORM

DATE: 2-1-00

TIME: 4:35

COMPANY: Gribi Assoc.

PROJECT # _____

SAMPLE LOG #: 21016

PROJECT NAME: _____

ORDER TAKEN BY: Tom K ORDERED BY: Jim Gribi

SAMPLE #	CHANGE REQUESTED	TURN-AROUND-TIME (If Applicable)
----------	------------------	-------------------------------------

<u>-1 → 6</u>	<u>Add TPH diesel to all</u>	
	<u>Samples. 48 hr TAT</u>	

REMARKS: _____

UPDATE SECTION: (Initial / Date / Time)

FRONT COMPUTER	VOLATILES	DIESEL	SLOG BOOK
/ /	/ /	/ /	/ /

FEB-03-00 THU 10:41 AM ACCULABS DAVIS

FAX NO. 530 753 6091

2.09/09

<h1>Acculabs Inc.</h1> <p> <input type="checkbox"/> 3902 E. University Dr. Phoenix AZ 85034 <input type="checkbox"/> 710 E. Evans Blvd. Tucson AZ 85713 <input type="checkbox"/> 2020 W. Lone Cactus Dr. Phoenix AZ 85027 <input type="checkbox"/> 4553 Table Mountain Dr. Golden CO 80403 <input type="checkbox"/> 992 Spice Islands Dr. Sparks NV 89431 <input type="checkbox"/> 1046 Olive Drive #2 Davis CA 95616 </p>				Lab Number <h2>21016</h2>	
Report Due Date: 2-1-00					
PUBLIC WATER SUPPLY INFORMATION					
Client: Gribl Associates		System Name:			
Address: 1350 Hayes Street, Ste C-14		PWS No.:			
City, State & Zip: Benicm, CA 94510		Report to State/EPA Y N			
Contact: Jim Gribl		POE No.:			
Phone: 707/748-7743		DWR No.:			
Fax: 707/748-7783		Collection Point:			
Project Name: CORWOOD CW		Collector's Name:			
Project Number:		Location (City):			
Fax Results: <input checked="" type="checkbox"/> N		Page 1 of 1			
SAMPLE TYPE CODES					
DW = drinking water TB = travel blank WW = waste water SD = solid MW = monitoring well SC = soil HW = hazardous waste SL = sludge		Compliance Monitoring Y N			
TURNAROUND TIME REQUESTED:					
Signature: <i>[Signature]</i> Rush: 12 hr - 24 hr (ASAP)		Lab Director Approval:			
CLIENT'S SAMPLE ID/LOCATION					
Date Time		Spl. No.			
T-1E (14 FT)		01			
T-1W (13 FT)		02			
T-2E (13 FT)		03			
T-2W (14 FT)		04			
SP-1.1		05			
SP-1.2 → Cmp.		05			
SP-1.3					
SP-1.4					
SP-2.1		06			
SP-2.2 → Cmp.		06			
SP-2.3					
SP-2.4					
Instructions/Comments/Special Requirements:					
SAMPLE RECEIPT					
Received Cold Y N		Date/Time: 1/31/00 16:40			
Custody Seals Y N		Samples Requested By: <i>[Signature]</i>			
Seals Intact Y N		Samples Received By: <i>[Signature]</i>			
No. of Containers:					
Acculabs' terms are Net 30 (Payment must be received by the date shown on this invoice or any discount is void)					

FEB-03-00 THU 11:31 AM ACCULABS DAVIS

FAX NO. 530 753 6091

P. 01/08



Acculabs Inc.

Fax Transmission

To:	<u>Jim Gribi</u>	Date:	<u>2-3-00</u>
At:	_____	No. of	_____
Fax:	_____	Pages:	<u>8</u>
From:	<u>Tom Kwaka</u>	Original	_____
Re:	_____	Mailed:	Y N

Originating Location: Acculabs Inc.
 Davis
 Phone: 530-757-0920
 Fax: 530-753-6091

Comments: Preliminary results need further dilution.
Working on these now. Will send when
completed.
Tom

Date: _____

Reply: _____

Davis/Sacramento

Durango

Golden

Sparks/Reno

FEB-03-00 THU 11:32 AM ACCULABS DAVIS

FAX NO. 530 753 6091

P. 02/08

**Acculabs Inc.****Davis**

Sample Log 21022

MTBE (Methyl-t-butyl ether) By EPA Method 8020/602

From : CORWOOD CW
Sampled : 02/01/00
Received : 02/01/00
Matrix : Soil

SAMPLE	Date Analyzed	(MRL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
NE-1 (7.5 ft)	02/03/00	(.050)	.10 - PRELIMINARY
P-1 (4 ft)	02/03/00	(.10)	<.10

Approved By:

Tom Kwoka
Lab Director



Acculabs Inc.

Davis

Sample Log 21022

MTBE (Methyl-t-butyl ether) By EPA Method 8020/602

From : CORWOOD CW
Sampled : 02/01/00
Received : 02/01/00
Matrix : Water

SAMPLE	Date Analyzed	(MRL) <small>ug/L</small>	Measured Value <small>ug/L</small>
WS-1	02/02/00	(500)	4500

Approved By:

FTV
Tom Kwaka
Lab Director



Acculabs Inc.

Davis

Sample Log 21022

21022-01

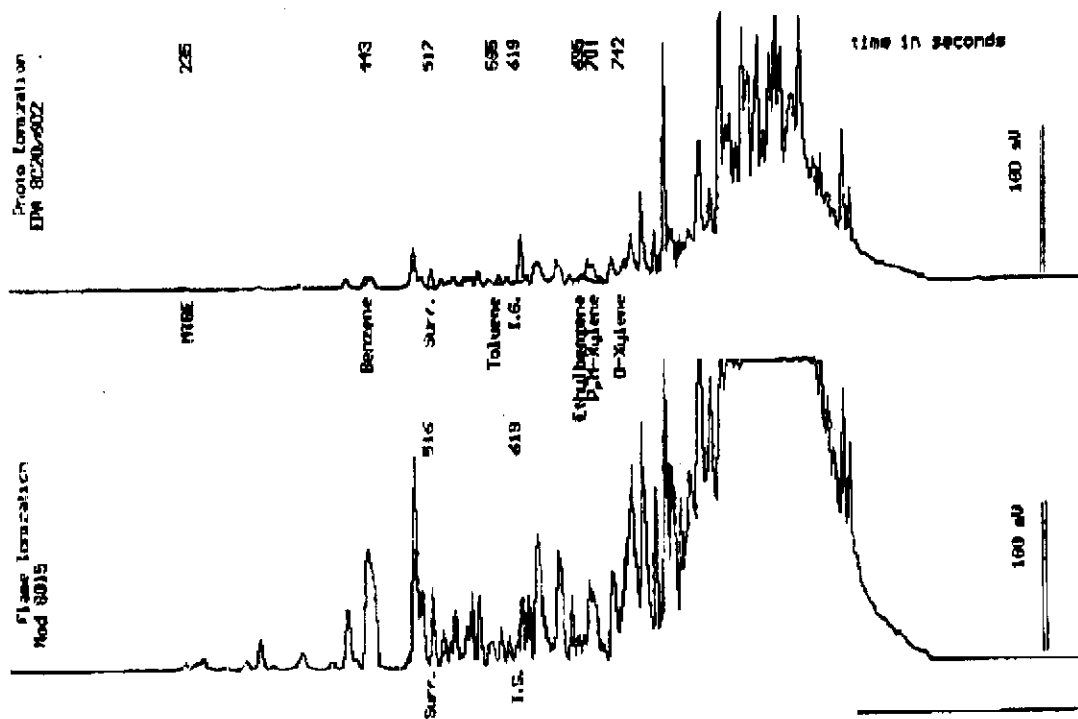
Sample: NE-1 (7.5 ft)

From : CORWOOD CW
 Sampled : 02/01/00
 Dilution : 1:1
 Matrix : Soil

Run Log : 2187J

Parameter	(MRL) <small>ug/kg</small>	Measured Value <small>ug/kg</small>
Benzene	(.0050)	.023
Toluene	(.0050)	.041
Ethylbenzene	(.0050)	.087
Total Xylenes	(.0050)	.11
TPH as Gasoline	(1.0)	16
Surrogate Recovery		129 %

PRELIMINARY



Date Analyzed: 02-03-00
 Column: 0.53mm X 60m Restek Rtx-1001

Steven Redolichy
 Senior Chemist

FEB-03-00 THU 11:33 AM ACCULABS DAVIS

FAX NO. 530 753 8091

P.04/08



Acculabs Inc.

Davis

Sample Log 21022

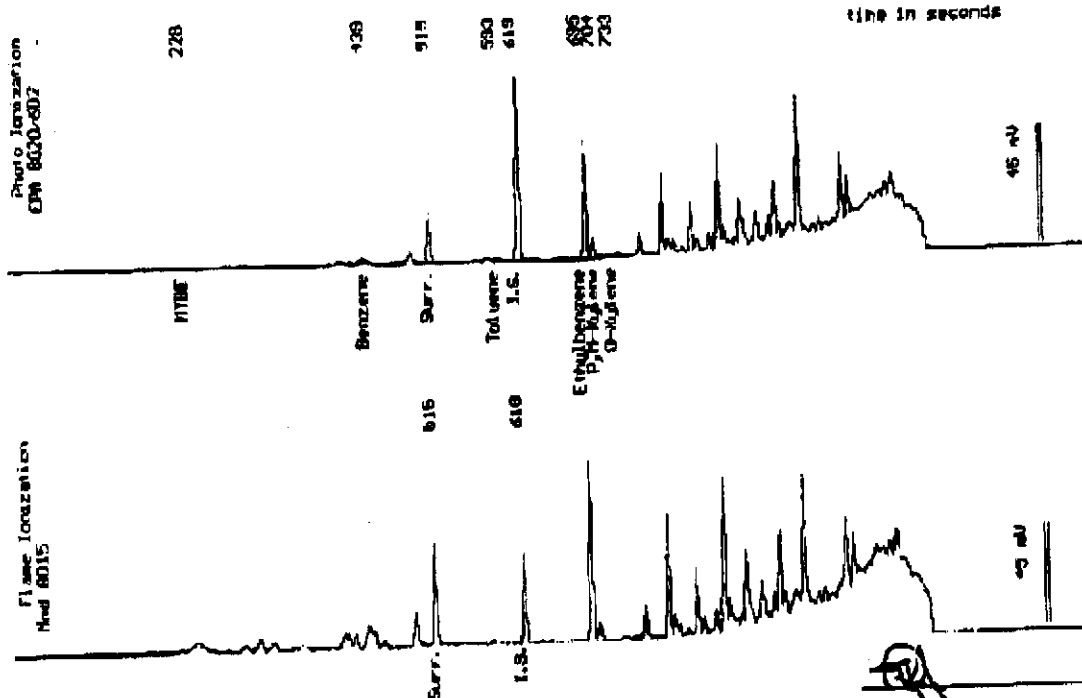
21022-02

Sample: P-1 (4 ft)

From : CORWOOD CW
Sampled : 02/01/00
Dilution : 1:2
Matrix : Soil

Run Log : 2187J

Parameter	(MRL) ug/kg	Measured Value ug/kg
Benzene	(.010)	<.010
Toluene	(.010)	<.010
Ethylbenzene	(.010)	.47
Total Xylenes	(.010)	.070
TPH as Gasoline	(2.0)	7.2
Surrogate Recovery		95 %



Date Analyzed: 02-02-00
Column 1 0.25mm X 60m Restek Rtx-1301

[Signature]
Drew F. Podolsky
Senior Chemist



Acculabs Inc.

Davis

Sample Log 21022
21022-03

Sample: WS-1

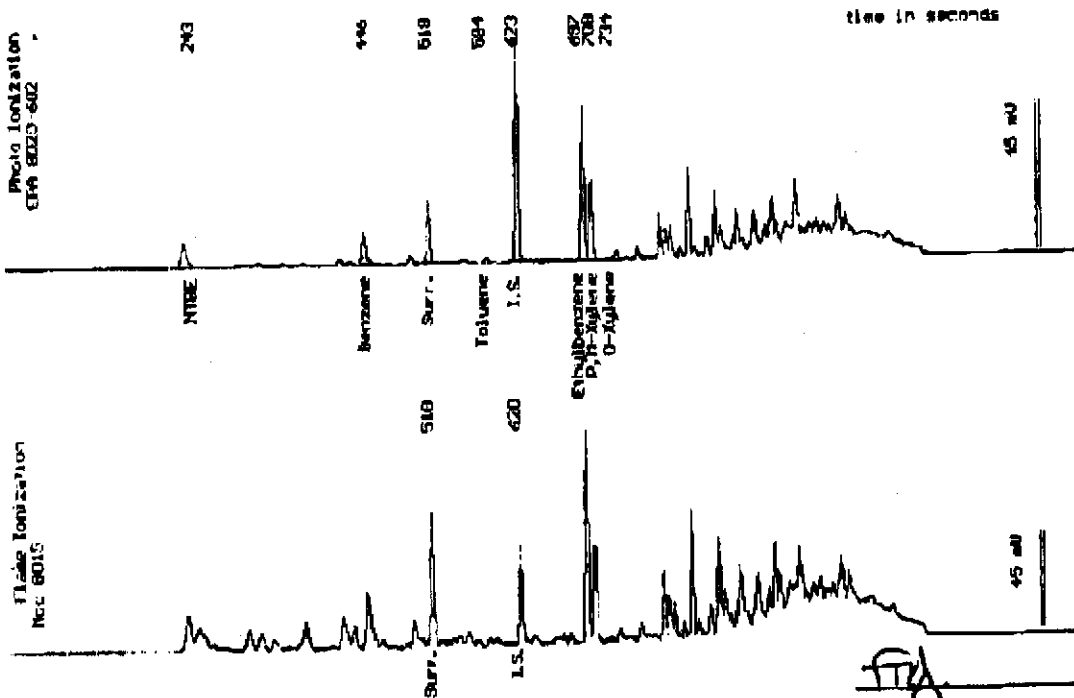
From : CORWOOD CW
Sampled : 02/01/00
Dilution : 1:100
Matrix : Water

Run Log : 2107II

Parameter	(MRL) ug/l	Measured Value ug/l
Benzene	(50)	600
Toluene	(50)	65
Ethylbenzene	(50)	2500
Total Xylenes	(50)	1500
TPH as Gasoline	(5000)	42000 *

Surrogate Recovery

* Product is not typical gasoline.



Date Analyzed: 02-02-00
Column: 0.53mm X 60m Restek Rtx-1301

Stewart Podalski
Senior Chemist

FEB-03-00 THU 03:11 PM ACCULABS DAVIS

FAX NO. 530 753 6091

P.04/04



Acculabs Inc.

Davis

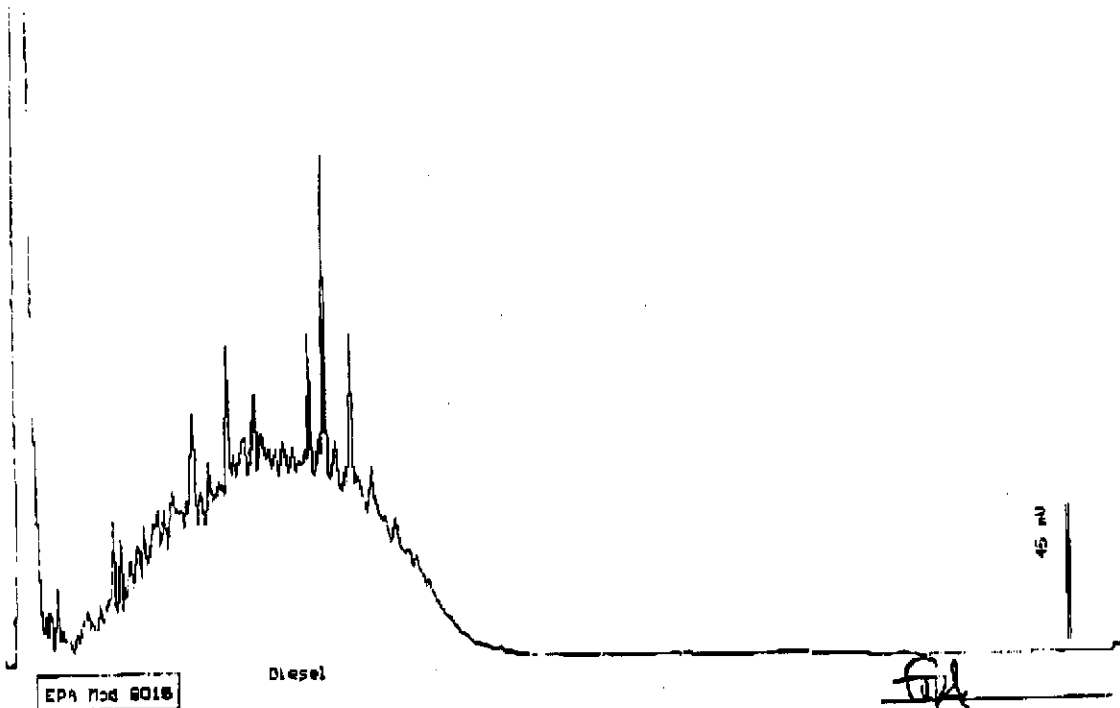
Sample Log 21022
21022-01

Sample: NE-1 (7.5 ft)

From : CORWOOD CW
Sampled : 02/01/00
Extracted: 02/02/00
Dilution : 1:20
Matrix : Soil

QC Batch : D5000201
Run Log : 7460C

Parameter	(MRI) mg/kg	Measured Value mg/kg
TPH as Diesel	(20)	1800



EPA Mod 8015

Diesel

Date: 02-03-00 Time: 11:44:15
Column: 0.53mm ID X 10m DB1 (J&W Scientific)

[Signature]
Stewart Andriak
Senior Scientist



Acculabs Inc.

Davis

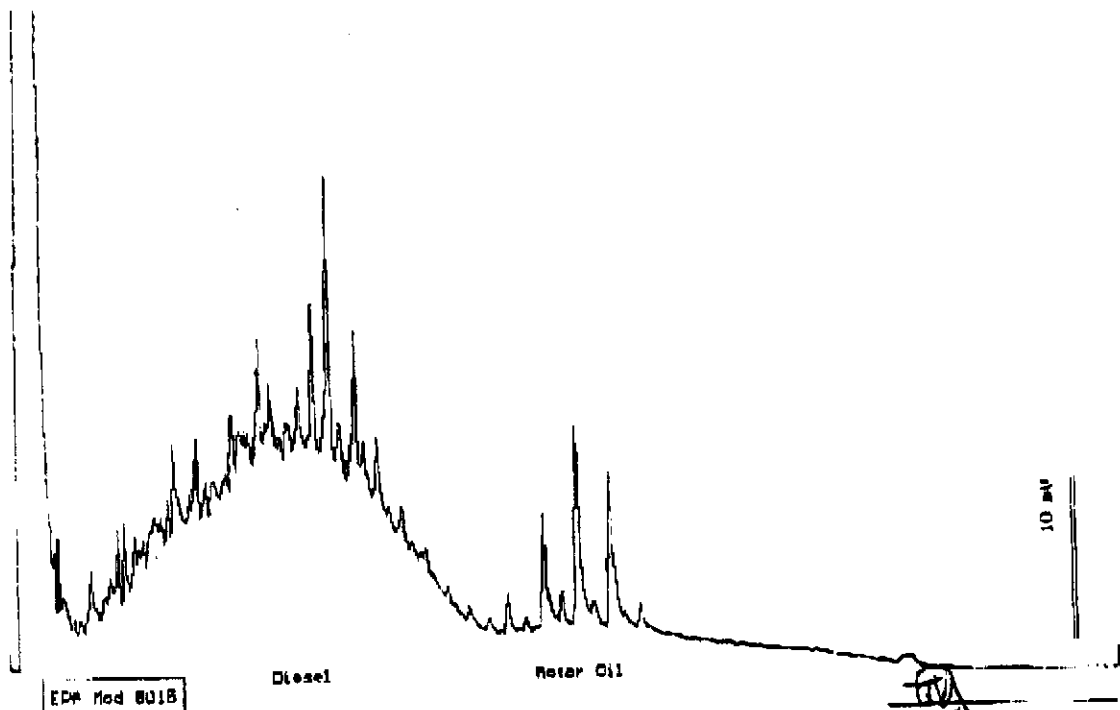
Sample Log 21022
21022-02

Sample: P-1 (4 ft)

From: CORWOOD CW
Sampled: 02/01/00
Extracted: 02/02/00
Dilution: 1:1
Matrix: Soil

QC Batch: DS000201
Run Log: 7460B

Parameter	(MRL) ng/kg	Measured Value ng/kg
TPH as Diesel	(1.0)	19



Date: 02-02-00 Time: 22:49:45
Column: 0.83mm ID X 15m DB1 (J&W Scientific)

Stewart Modelsky
Senior Chemist



Acculabs Inc.

Davis

Sample Log 21022

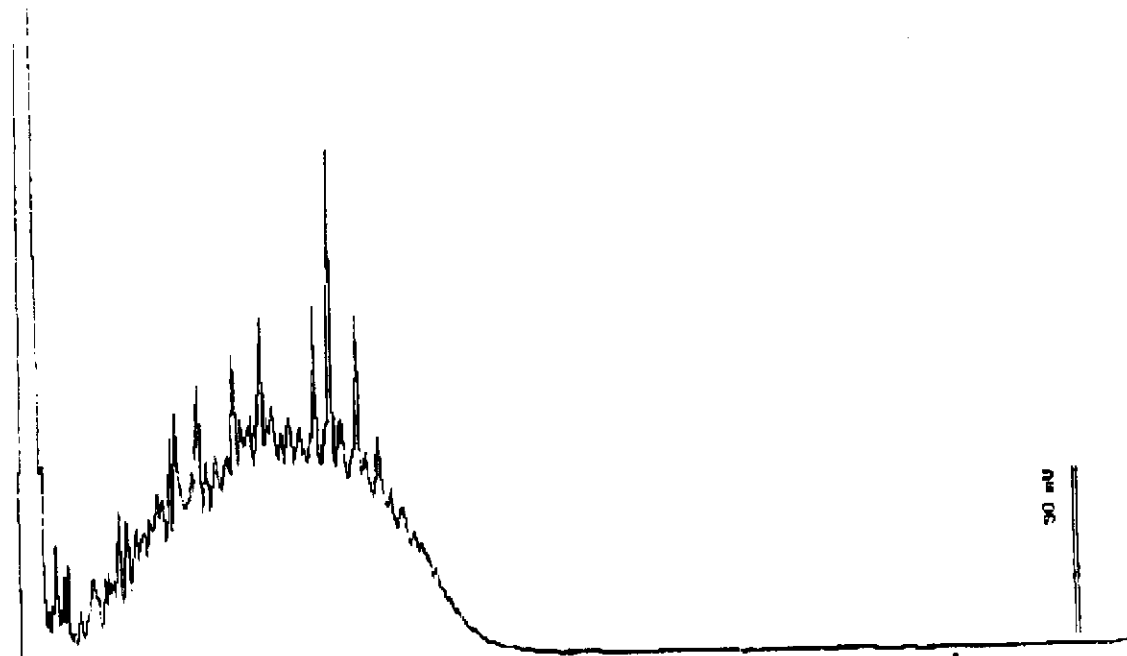
2/02/00

Sample: **WS-1**

From : CORWOOD CW
Sampled : 02/01/00
Extracted: 02/02/00
Dilution : 1:23
Matrix : Water

QC Batch : DW000201
Run Log : 7460B

Parameter	(MRL) $\mu\text{g/L}$	Measured Value $\mu\text{g/L}$
TPH as Diesel	(1200)	19300



EPA Method 8018

Diesel

Date: 02-02-00 Time: 23:22:54
Column: 0.53mm ID X 15m DB1 (J&W Scientific)

[Signature]
Stewart P. Podolsky
Senior Scientist

