

District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

*AL*  
SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

## PIT REMEDIATION AND CLOSURE REPORT

Operator: Burlington Resources Telephone: (505) 326-9700

Address: 3535 E. 30<sup>th</sup> Street Farmington, NM 87401

Facility Or: Atlantic Com D # 11  
Well Name

Location: Unit or Qtr/Qtr Sec B Sec 23 T 31N R 10W County San Juan

Pit Type: Separator \_\_\_\_\_ Dehydrator \_\_\_\_\_ Other Abandoned

Land Type: BLM X State \_\_\_\_\_ Fee \_\_\_\_\_ Other \_\_\_\_\_

**RECEIVED**  
SEP - 3 1999  
OIL CON. DIV.  
DIST. 3

Pit Location: Pit dimensions: Length 15 ft width 15 ft depth 2 ft  
(Attach diagram)

Reference: wellhead X other \_\_\_\_\_

Footage from reference: 20 ft

Direction from reference: 60 Degrees X East North \_\_\_\_\_  
West South X

Depth to Ground Water: >100 feet  
(vertical distance from  
contaminants to seasonal  
highwater elevation of  
ground water)

|          |                       |             |          |
|----------|-----------------------|-------------|----------|
| _____    | Less than 50 feet     | (20 points) |          |
| _____    | 50 ft to 99 feet      | (10 points) |          |
| <u>X</u> | Greater than 100 feet | (0 points)  | <u>0</u> |

Wellhead Protection Area:  
(less than 200 feet from a private  
domestic water source, or: less than  
1000 feet from all other water sources).

|          |     |             |          |
|----------|-----|-------------|----------|
| _____    | Yes | (20 points) |          |
| <u>X</u> | No  | (0 points)  | <u>0</u> |

Distance to Surface Water:  
(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches.)

|          |                        |             |          |
|----------|------------------------|-------------|----------|
| _____    | Less than 200 feet     | (20 points) |          |
| _____    | 200 feet to 1000 feet  | (10 points) |          |
| <u>X</u> | Greater than 1000 feet | (0 points)  | <u>0</u> |

P:\pdr\PrC@WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 5/17/99Date Completed: 5/17/99

Excavation \_\_\_\_\_

Approx. cubic yards 0

Landfarmed \_\_\_\_\_

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Method:

Onsite \_\_\_\_\_

Offsite \_\_\_\_\_

(Check all appropriate  
sections)

General Description of Remedial Action : On 5/17/99, the pit was sampled at a depth of 3 feet, where bedrock was encountered. A soil sample was obtained from the center bottom of the pit at a depth of 3 feet (1 foot below pit bottom) utilizing U.S.E.P.A. protocol and sent to Acculabs Inc. for BTEX and GRO/DRO analysis. Results provided concentrations below NMOCD guidelines.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:

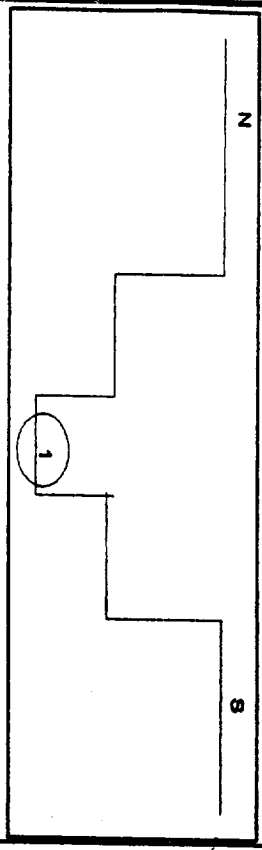
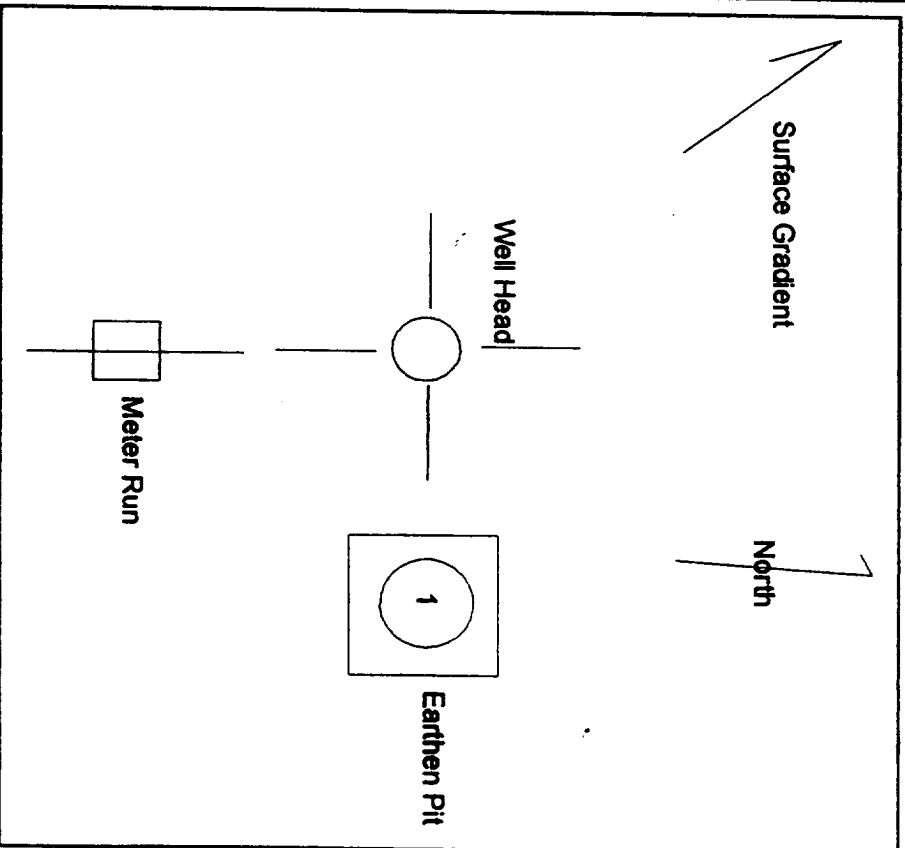
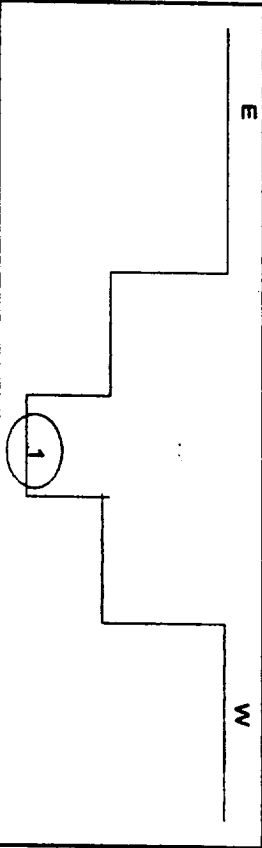
Closure Sampling:  
(if multiple samples,  
attach sample resultsand diagram of sample  
locations and depths)Sample location Center BottomSample depth 3 feet (Bedrock)Sample date 5/17/99Sample time 13:20

## Sample Results

Benzene(ppm) <0.0050Total BTEX (PPM) 0.1937Field Headspace (ppm) 698TPH <26.7Ground Water Sample: Yes \_\_\_\_\_ No X (if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.

DATE 7/1/99PRINTED NAME Ed HaselySIGNATURE Ed Haselyand TITLE Sr. Staff Environmental Representative

| Location : <u>Atlantic Com D # 11</u>                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----|---|-------------|-----|---|---------|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|----|--|--|----|--|--|----|--|--|
| Quad : <u>B</u>                                                                                                                             | Section : <u>23</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Range : <u>10W</u> Township: <u>31N</u>                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Pit : <u>Abandoned</u>                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Reference : <u>20° S 60 degrees E</u>                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Initial Size : <u>15' x 15' x 2' deep</u>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Final Size : <u>15' x 15' x 2' deep</u>                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Yds. Excavated : <u>0</u>                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Depth to Groundwater:                                                                                                                       | <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Sample #</th><th>Location</th><th>OVM</th></tr></thead><tbody><tr><td>1</td><td>Center @ 3'</td><td>698</td></tr><tr><td>2</td><td>Bedrock</td><td></td></tr><tr><td>3</td><td></td><td></td></tr><tr><td>4</td><td></td><td></td></tr><tr><td>5</td><td></td><td></td></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr><tr><td>11</td><td></td><td></td></tr><tr><td>12</td><td></td><td></td></tr></tbody></table> | Sample # | Location | OVM | 1 | Center @ 3' | 698 | 2 | Bedrock |  | 3 |  |  | 4 |  |  | 5 |  |  | 6 |  |  | 7 |  |  | 8 |  |  | 9 |  |  | 10 |  |  | 11 |  |  | 12 |  |  |
| Sample #                                                                                                                                    | Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OVM      |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 1                                                                                                                                           | Center @ 3'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 698      |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 2                                                                                                                                           | Bedrock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 3                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 4                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 5                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 6                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 7                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 8                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 9                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 10                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 11                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| 12                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Nearest Water Source:                                                                                                                       | <u>&gt;100'</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Nearest Surface Water:                                                                                                                      | <u>&gt;1000'</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| NMOOD Ranking Score:                                                                                                                        | <u>0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| TPH Closure Standard:                                                                                                                       | <u>5000</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Comments : <u>Soil is dark brown, moist clay loam. Dark gray staining occurs with slight H-C odor. Bedrock refusal at 3' below surface.</u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Soil sample was taken at center at 3 feet and sent to Acculabs for GFO/DFO and BTEX analysis.                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Pit Profile : North to South :                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Overview of Location and Sampling :                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |
| Pit Profile : East to West :                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |          |     |   |             |     |   |         |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |    |  |  |    |  |  |    |  |  |



**Acculabs Inc.**

**Durango**

75 Suttle Street, Durango CO 81301 ■ 970-247-4220 ■ Fax 247-4227

Cimarron Environmental Services  
PO Box 3235  
Farmington, NM 87401  
Attention: Frank McDonald

**Acculabs I.D.: 07-905-045-01**

Date Received: 05/20/99

Date Reported: 05/27/99

QC Batches:

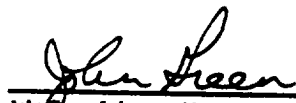
**PROJECT NAME:** Burlington  
**PROJECT NUMBER:** 0  
**SAMPLE I.D.:** Atlantic Com D#11

Sample Date: 5/17/99, 05/19/9

Sample Matrix: Soil

**RESULTS**

| <b>PARAMETER</b> | <b>METHOD</b> | <b>REPORT<br/>LIMIT</b> | <b>RESULT</b> | <b>DIL</b> | <b>DATE<br/>UNITS ANALYZED</b> | <b>ANALYST</b> |
|------------------|---------------|-------------------------|---------------|------------|--------------------------------|----------------|
| GRO/DRO          | 8015          |                         | See Attached  |            |                                |                |
| BETX             | 8021          |                         | See Attached  |            |                                |                |

  
John Green, Laboratory Manager

Tempe ■ Tucson ■ Flagstaff ■ Davis/Sacramento ■ Durango ■ Golden ■ Sparks/Reno



# Acculabs Inc.

## Davis

1046 Olive Drive, Davis CA 95616 • 530-757-0920 • Fax 753-6091

Sample Log 20048

20048-01

Sample: 07-905-045-01

From : (Proj. # 07-905-045)

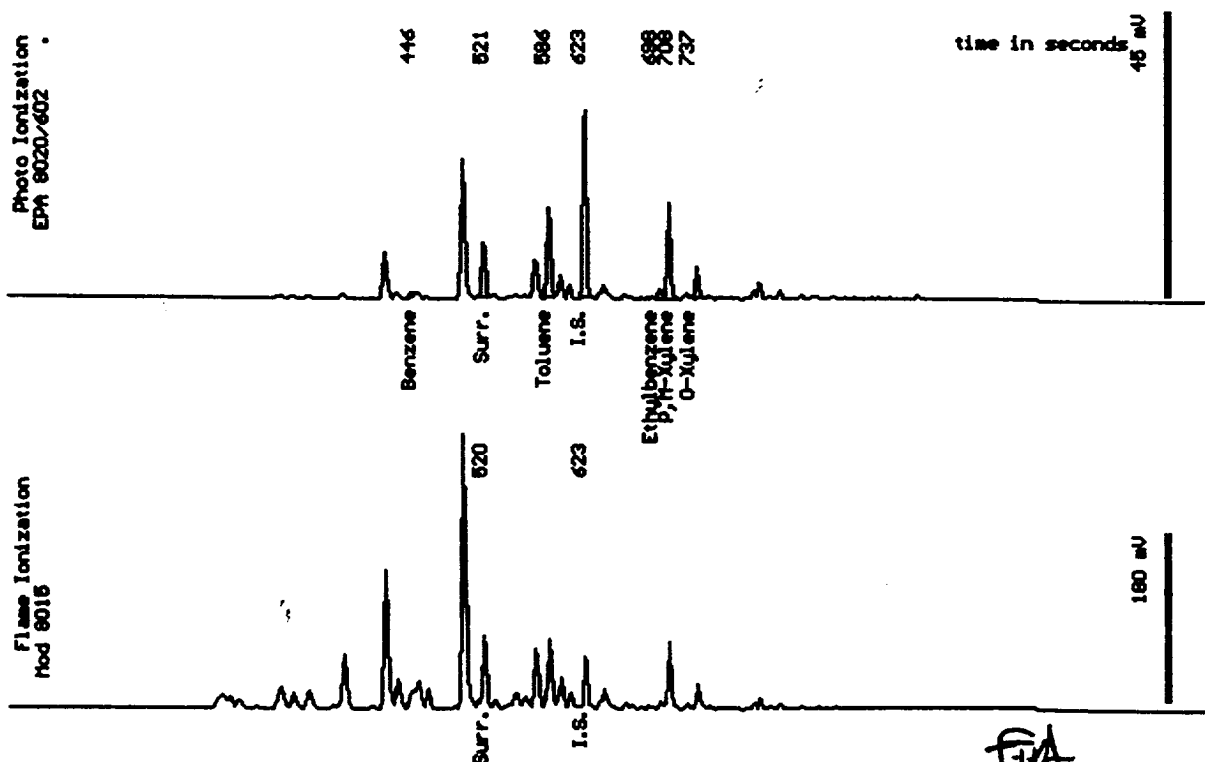
Sampled : / /

Dilution : 1:1

Matrix : Soil

Run Log : 2180K

| Parameter          | (MRL) mg/kg | Measured Value mg/kg |
|--------------------|-------------|----------------------|
| Benzene            | (.0050)     | <.0050               |
| Toluene            | (.0050)     | .081                 |
| Ethylbenzene       | (.0050)     | .0077                |
| Total Xylenes      | (.0050)     | .10                  |
| TPH as Gasoline    | (1.0)       | 1.7                  |
| Surrogate Recovery |             | 104 %                |



Date Analyzed: 06-24-99  
Column: 0.53mm X 60m Restek Rtx-1301

Stewart Rodolfsky  
Senior Chemist

Tempe • Tucson • Flagstaff • Davis/Sacramento • Durango • Golden • Sparks/Reno



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 ■ 530-757-0920 ■ Fax 753-6091

Sample Log 20048  
20048-01

Sample: 07-905-045-01

From : (Proj. # 07-905-045)

Sampled : / /

Extracted: 05/24/99

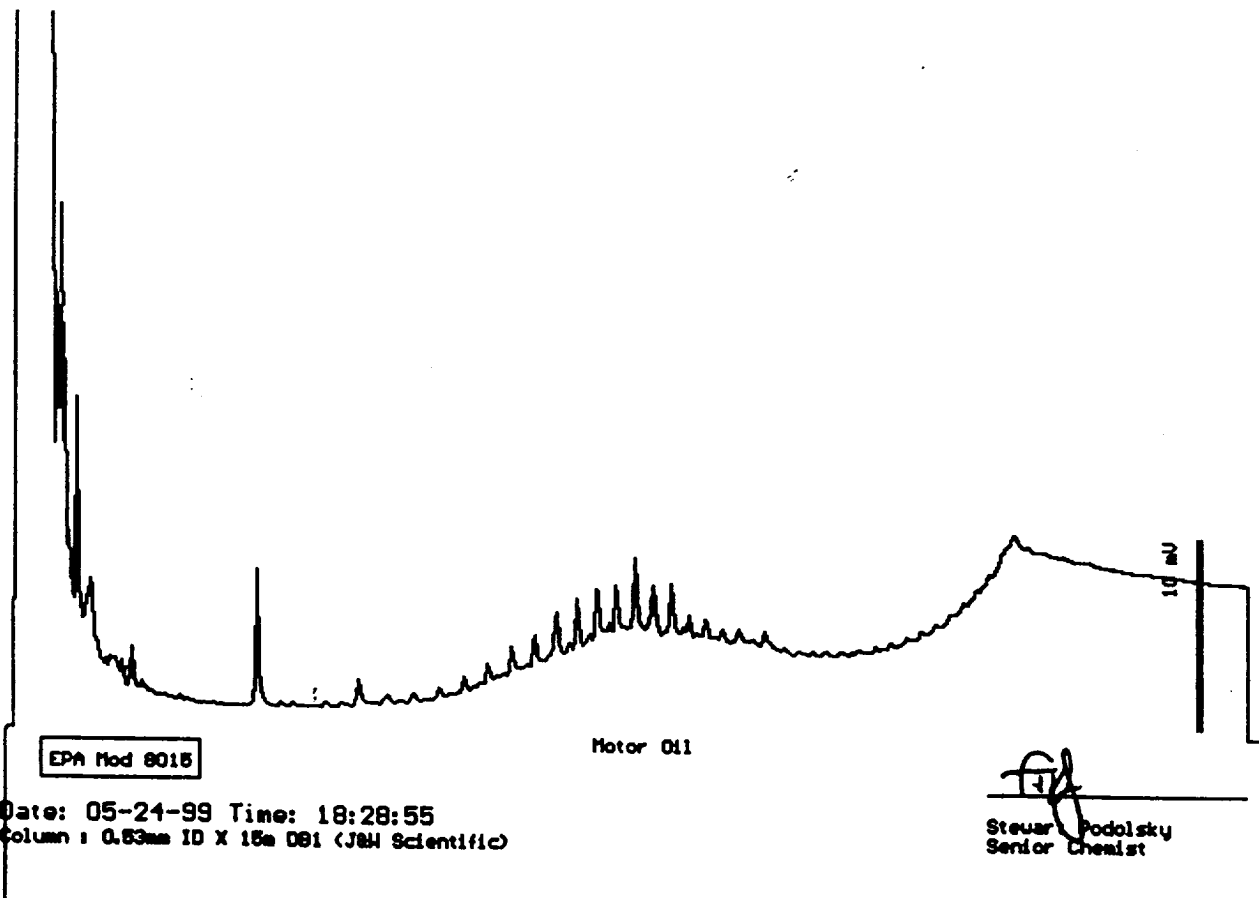
Dilution : 1:25

Matrix : Soil

QC Batch : DS990506

Run Log : 7437H

| Parameter     | (MRL) mg/kg | Measured Value mg/kg |
|---------------|-------------|----------------------|
| TPH as Diesel | (25)        | <25                  |



Acculabs Inc.

May 25, 1999

QC Report  
TPH Diesel by 8015 Mod

QC Batch: DS990506

Matrix: Soil

**Spike and Spike Duplicate Results**

| Parameter     | Matrix<br>Spike (%Rec) | Matrix<br>Spike Dup. (%Rec) | RPD<br>% |
|---------------|------------------------|-----------------------------|----------|
| TPH as Diesel | 101                    | 103                         | 2        |

**Laboratory Control Spike**

| Parameter     | Laboratory Control<br>Spike (%Rec) |
|---------------|------------------------------------|
| TPH as Diesel | 99                                 |

**Method Blank**

| Parameter        | MDL(mg/Kg) | Measured<br>Value(mg/Kg) |
|------------------|------------|--------------------------|
| TPH as Diesel    | (1.0)      | <1.0                     |
| TPH as Motor Oil | (10)       | <10                      |

  
\_\_\_\_\_  
Tom Kwoka  
Lab Director

Acculabs Inc.

May 25, 1999  
Sample Log 20048

QC Report for EPA 8020 & Modified EPA 8015  
Run Log : 2180K  
From : (Proj. # 07-905-045)  
Sample(s) Received : 05/20/99

| Parameter       | Matrix Spike<br>% Recovery | Matrix Spike<br>Duplicate<br>% Recovery | RPD * |
|-----------------|----------------------------|-----------------------------------------|-------|
| Benzene         | 105                        | 103                                     | 2     |
| Ethylbenzene    | 98                         | 96                                      | 2     |
| TPH as Gasoline | 102                        | 104                                     | 2     |

\* RPD = Relative Percent Difference

| Parameter    | Laboratory Control Sample<br>% Recovery |
|--------------|-----------------------------------------|
| Benzene      | 99                                      |
| Ethylbenzene | 97                                      |
| Gasoline     | 98                                      |

| Parameter       | Method Blank |
|-----------------|--------------|
| Benzene         | <0.005 mg/Kg |
| Toluene         | <0.005 mg/Kg |
| Ethylbenzene    | <0.005 mg/Kg |
| Total Xylenes   | <0.005 mg/Kg |
| TPH as Gasoline | <1.0 mg/kg   |

  
Tom Kroka  
Lab Director

602-967-1310 Fax 967-1019  
520-807-3801 Fax 807-3803  
520-774-7643 Fax 774-7648  
530-757-0920 Fax 753-6091  
970-247-4220 Fax 247-4227  
303-277-9514 Fax 277-9512  
775-355-0202 Fax 355-0817

07-905-045-1

**Due Date:**

|                      |                                  |                  |            |
|----------------------|----------------------------------|------------------|------------|
| Phone (505) 327-4787 | Collector's Name Virgil Chavez   | POE No.          | DWR No.    |
| Fax                  | Project Name Johnson A#13        | Collection Point | C Btm @ 5' |
| P.O. Number          | Project Number Atlantic Com D#11 | Location (City)  |            |

## SAMPLE TYPE CODES

|                       |   |   |
|-----------------------|---|---|
| Compliance Monitoring | Y | N |
|-----------------------|---|---|

## Analyses Requested

**TURNAROUND TIME REQUESTED**

**Lab Manager  
Approval**

## Special

## CLIENTS SAME RELOCATION

Date:  Time: [illegible]

**Instructions/Comments/Special Requirements:**

| SAMPLE RECEIPT    |   |   | Date    | Time  | Samples Relinquished By | Samples Received By |
|-------------------|---|---|---------|-------|-------------------------|---------------------|
| Received Cold     | Y | N | 5/20/94 | 15:50 | <i>[Signature]</i>      | <i>[Signature]</i>  |
| Custody Seals     | Y | N |         |       |                         |                     |
| Seals Intact      | Y | N |         |       |                         |                     |
| No. of Containers |   |   |         |       |                         |                     |

Acculabs' terms are: Net 40 (Payment must be received by the date shown on the invoice or any discount is void)