

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 1, 2004

For drilling and production facilities, submit  
to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe  
office

**Pit or Below-Grade Tank Registration or Closure**

RCVD FEB6'07  
OIL CONS. DIV.

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒ **DIST. 3**

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com  
Address: 3401 East 30th Street, Farmington, New Mexico, 87402  
Facility or well name: San Juan 29-7 Unit 46 API #: 3003907700 U/L or Qtr/Qtr G Sec 6 T 29N R 7W  
County Rio Arriba Latitude 36.75723 Longitude -107.60875 NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☒ Disposal ☐  
Workover ☐ Emergency ☐

Lined ☐ Unlined ☐

Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐

Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: 40 bbl Type of fluid: Produced Water and Incidental Oil

Construction material: Fiberglass

Double-walled, with leak detection? Yes ☐ If not, explain why not.

No - Tank was installed prior to Rule 50.

Depth to ground water (vertical distance from bottom of pit to  
seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

( 0 points)

0

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)

No

( 0 points)

20

Distance to surface water: (horizontal distance to all wetlands,  
playas, irrigation canals, ditches, and perennial and ephemeral  
watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

( 0 points)

10

**Ranking Score (Total Points)**

30

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☒ If offsite, name of facility IEI-Crouch Mesa. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results.

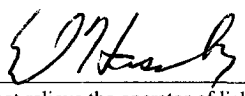
(5) Attach soil sample results and a diagram of sample locations and excavations.  
Additional Comments:

Tank Location -feet, degrees from the wellhead.

Hit bedrock at approx. 13 feet. Side wall 4 excavated to meter house, still hot. Dug test hole on west side of meter house, test hole clean.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD approved plan ☐.

Date: 1/15/07

Printed Name/Title Ed Hasely, Environmental Advisor Signature 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title SENIOR OIL & GAS INSPECTOR, DIST. 3 Signature 

Date FEB 06 2007

Spill Cleanup

BURLINGTON

FIELD REPORT CLOSURE VERIFICATION PAGE 1 2

|                                                                                                       |                                     |
|-------------------------------------------------------------------------------------------------------|-------------------------------------|
| LOCATION: NAME <u>SAN JUAN 29-7</u> WELL # <u>46</u> PIT.                                             | DATE STARTED <u>12-15-06</u>        |
| QUAD/UNIT <u>6</u> SEC <u>6</u> TWP <u>29</u> RNG <u>7</u> PM <u>NHFM</u> CNTY <u>RA</u> ST <u>NM</u> | DATE FINISHED <u>12-18-06</u>       |
| QTR/FOOTAGE <u>1750 FNL</u> <u>1650 FEL</u> CONTRACTOR <u>MGM</u>                                     | ENVIRONMENTAL SPECIALIST <u>ENH</u> |

EXCAVATION APPROX 44 FT. x 46 FT. x 13 FT. DEEP. CUBIC YARDAGE: \_\_\_\_\_  
DISPOSAL FACILITY: IEI - CROUCH MESA REMEDIATION METHOD: EXCAVATION  
LAND USE: \_\_\_\_\_ LEASE: \_\_\_\_\_ FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FT. 170° FROM WELLHEAD.  
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: <1000 NEAREST SURFACE WATER: 200-1000  
NMOC RANKING SCORE: 30 NMOC TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

HET BEDROCK AT APPROX. 13 FT  
WALL 4 HOT BUT EXCAVATED TO METER HOUSE  
TEST HOLE ON OTHER SIDE OF METER HOUSE PASSED

CHECK ONE:  
☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

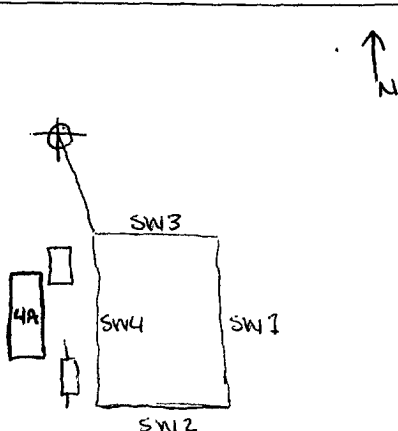
FIELD 418.1 CALCULATIONS

| TIME | SAMPLE I.D. | LAB No. | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------|-------------|---------|------------|-----------|----------|---------|-----------|
|      | BOT         | 1       | 5          | 20        | 1        | 764     | 3056      |
|      | SW 1        | 2       | 5          | 20        | 1        | 4       | 16        |
|      | SW 2        | 3       | 5          | 20        | 1        | 14      | 56        |

SCALE



PIT PERIMETER



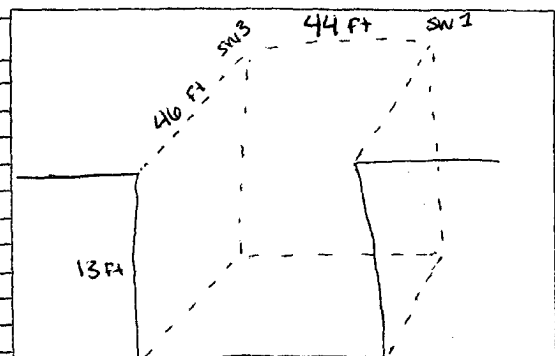
OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|-----------|---------------------------|
| 1 BOT     | >2000                     |
| 2 SW1     | 30                        |
| 3 SW2     | 25                        |
| 4 SW3     | 97                        |
| 5 SW4     | >2000                     |
| 6 4A      | 20                        |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|-----------|----------|------|
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |
|           |          |      |

PIT PROFILE



TRAVEL NOTES. CALLOUT: \_\_\_\_\_ ONSITE: \_\_\_\_\_

36.75723 -107.46875

30-039-07700

## Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date 12-15-06

Analyst ENH

Location SAN JUAN 29-7 #46

Instrument INFRACAL

Job No. 92115-095

| Sample No. | Sample Description | Sample Wt. (g) | Volume Freon (mL) | Dilution Factor | Abs. Reading | TPH (mg/kg) | OVM (mg/kg) |
|------------|--------------------|----------------|-------------------|-----------------|--------------|-------------|-------------|
| 4          | SW 3               | 5              | 20                | 1               | 3            | 12          | 97          |
| 5          | SW 4               | 5              | 20                | 1               | 458          | 1832        | >2000       |
| 6          | SW 4A              | 5              | 20                | 1               | 2            | 8           | 20          |
|            |                    |                |                   |                 |              |             |             |
|            |                    |                |                   |                 |              |             |             |
|            |                    |                |                   |                 |              |             |             |

### Infrared Spectrophotometer Calibration

New Freon \_\_\_\_\_

Date Standards Prepared \_\_\_\_\_

Standard  
Concentration (mg/L)

Absorbance

100

200

500

1000

208  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I-CAL RF: \_\_\_\_\_

C-CAL RF: \_\_\_\_\_

RSD: \_\_\_\_\_ %

% Difference: \_\_\_\_\_ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

|                |                      |                  |            |
|----------------|----------------------|------------------|------------|
| Client:        | Burlington Resources | Project #:       | 92115-095  |
| Sample No.:    | 1                    | Date Reported:   | 12/15/2006 |
| Sample ID:     | Bottom - 13' BGS     | Date Sampled:    | 12/15/2006 |
| Sample Matrix: | Soil                 | Date Analyzed:   | 12/15/2006 |
| Preservative:  | Cool                 | Analysis Needed: | TPH-418.1  |
| Condition:     | Cool and Intact      |                  |            |

| Parameter | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

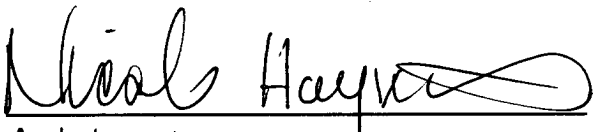
|                              |      |     |
|------------------------------|------|-----|
| Total Petroleum Hydrocarbons | 3060 | 5.0 |
|------------------------------|------|-----|

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 Unit 46

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

# ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Burlington Resources  
Sample No.: 2  
Sample ID: Side Wall 1  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-095  
Date Reported: 12/15/2006  
Date Sampled: 12/15/2006  
Date Analyzed: 12/15/2006  
Analysis Needed: TPH-418.1

| Parameter | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

**Total Petroleum Hydrocarbons**

**20.0**

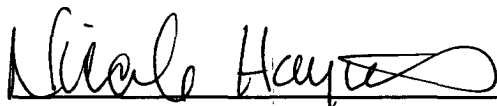
**5.0**

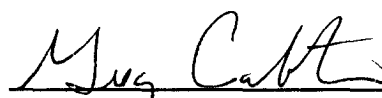
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-7 Unit 46**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington Resources  
Sample No.: 3  
Sample ID: Side Wall 2  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-095  
Date Reported: 12/15/2006  
Date Sampled: 12/15/2006  
Date Analyzed: 12/15/2006  
Analysis Needed: TPH-418.1

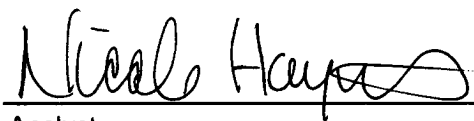
| Parameter                    | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 60.0                     | 5.0                      |

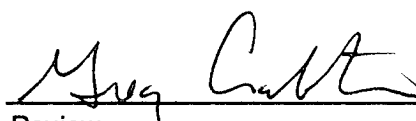
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 Unit 46

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington Resources  
Sample No.: 4  
Sample ID: Side Wall 3  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-095  
Date Reported: 12/15/2006  
Date Sampled: 12/15/2006  
Date Analyzed: 12/15/2006  
Analysis Needed: TPH-418.1

| Parameter | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

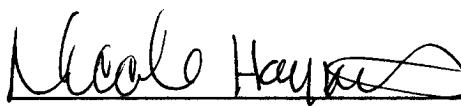
|                              |      |     |
|------------------------------|------|-----|
| Total Petroleum Hydrocarbons | 10.0 | 5.0 |
|------------------------------|------|-----|

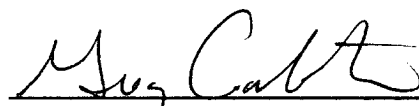
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 Unit 46

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington Resources  
Sample No.: 5  
Sample ID: Side Wall 4  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-095  
Date Reported: 12/15/2006  
Date Sampled: 12/15/2006  
Date Analyzed: 12/15/2006  
Analysis Needed: TPH-418.1

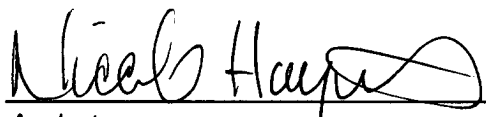
| Parameter                    | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 1830                     | 5.0                      |

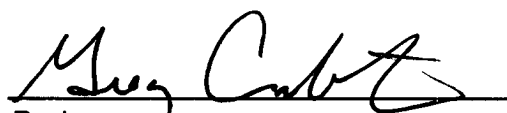
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 Unit 46

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client: Burlington Resources  
Sample No.: 6  
Sample ID: Side Wall 4A  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 92115-095  
Date Reported: 12/15/2006  
Date Sampled: 12/15/2006  
Date Analyzed: 12/15/2006  
Analysis Needed: TPH-418.1

| Parameter | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

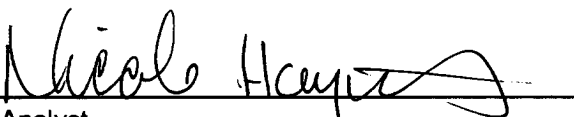
|                              |      |     |
|------------------------------|------|-----|
| Total Petroleum Hydrocarbons | 10.0 | 5.0 |
|------------------------------|------|-----|

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of W and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 29-7 Unit 46

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

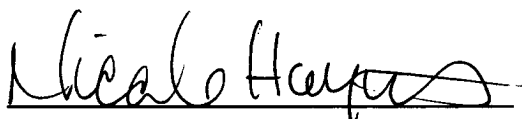
  
Review

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 15-Dec-06

| Parameter | Standard<br>Concentration<br>mg/L | Concentration<br>Reading<br>mg/L |
|-----------|-----------------------------------|----------------------------------|
| TPH       | 100                               | 208                              |
|           | 200                               |                                  |
|           | 500                               |                                  |
|           | 1000                              |                                  |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

  
Analyst

12-22-06  
Date

  
Review

12/22/06  
Date

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |               |                     |           |
|--------------------|---------------|---------------------|-----------|
| Client:            | Burlington    | Project #:          | 92115-095 |
| Sample ID:         | Bottom        | Date Reported:      | 12-18-06  |
| Laboratory Number: | 39526         | Date Sampled:       | 12-15-06  |
| Chain of Custody:  | 1863          | Date Received:      | 12-15-06  |
| Sample Matrix:     | Soil          | Date Analyzed:      | 12-18-06  |
| Preservative:      | Cool          | Date Extracted:     | 12-18-06  |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX      |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 624                      | 1.8                      |
| Toluene      | 4,240                    | 1.7                      |
| Ethylbenzene | 2,370                    | 1.5                      |
| p,m-Xylene   | 10,620                   | 2.2                      |
| o-Xylene     | 3,510                    | 1.0                      |
| Total BTEX   | 21,360                   |                          |

ND - Parameter not detected at the stated detection limit.

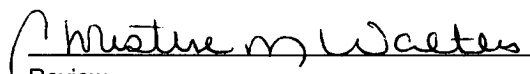
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99.0 %           |
|                       | 1,4-difluorobenzene | 99.0 %           |
|                       | Bromochlorobenzene  | 99.0 %           |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: San Juan 29-7 #46

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |                  |                |          |
|--------------------|------------------|----------------|----------|
| Client:            | N/A              | Project #:     | N/A      |
| Sample ID:         | 12-18-BTEX QA/QC | Date Reported: | 12-18-06 |
| Laboratory Number: | 39520            | Date Sampled:  | N/A      |
| Sample Matrix:     | Soil             | Date Received: | N/A      |
| Preservative:      | N/A              | Date Analyzed: | 12-18-06 |
| Condition:         | N/A              | Analysis:      | BTEX     |

| Calibration and<br>Detection Limits (ug/L) | I-Cal RF:   | C-Cal RF:             | %Diff. | Blank<br>Conc | Detect.<br>Limit |
|--------------------------------------------|-------------|-----------------------|--------|---------------|------------------|
|                                            |             | Accept. Range 0 - 15% |        |               |                  |
| Benzene                                    | 2.9879E+007 | 2.9939E+007           | 0.2%   | ND            | 0.2              |
| Toluene                                    | 4.5571E+007 | 4.5662E+007           | 0.2%   | ND            | 0.2              |
| Ethylbenzene                               | 2.0314E+007 | 2.0355E+007           | 0.2%   | ND            | 0.2              |
| p,m-Xylene                                 | 8.5891E+007 | 8.6064E+007           | 0.2%   | ND            | 0.2              |
| o-Xylene                                   | 3.6030E+007 | 3.6102E+007           | 0.2%   | ND            | 0.1              |

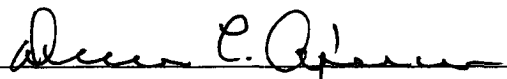
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene                 | ND     | ND        | 0.0%   | 0 - 30%      | 1.8           |
| Toluene                 | 2.4    | 2.4       | 0.0%   | 0 - 30%      | 1.7           |
| Ethylbenzene            | 15.4   | 15.3      | 0.6%   | 0 - 30%      | 1.5           |
| p,m-Xylene              | 52.3   | 52.2      | 0.2%   | 0 - 30%      | 2.2           |
| o-Xylene                | 18.8   | 18.7      | 0.5%   | 0 - 30%      | 1.0           |

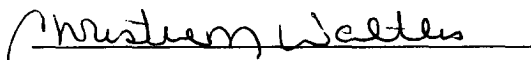
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene             | ND     | 50.0          | 49.9          | 99.8%      | 39 - 150     |
| Toluene             | 2.4    | 50.0          | 52.3          | 99.8%      | 46 - 148     |
| Ethylbenzene        | 15.4   | 50.0          | 65.3          | 99.8%      | 32 - 160     |
| p,m-Xylene          | 52.3   | 100           | 152           | 99.9%      | 46 - 148     |
| o-Xylene            | 18.8   | 50.0          | 68.7          | 99.9%      | 46 - 148     |

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 39520 - 39524, 39526 - 39527

  
Analyst

  
Review

1863

san juan reproduction 578-129

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |               |                     |           |
|--------------------|---------------|---------------------|-----------|
| Client:            | Burlington    | Project #:          | 92115-095 |
| Sample ID:         | SW 4          | Date Reported:      | 12-19-06  |
| Laboratory Number: | 39537         | Date Sampled:       | 12-18-06  |
| Chain of Custody:  | 1866          | Date Received:      | 12-18-06  |
| Sample Matrix:     | Soil          | Date Analyzed:      | 12-19-06  |
| Preservative:      | Cool          | Date Extracted:     | 12-18-06  |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX      |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | ND                       | 1.8                      |
| Toluene      | 106                      | 1.7                      |
| Ethylbenzene | 20.2                     | 1.5                      |
| p,m-Xylene   | 284                      | 2.2                      |
| o-Xylene     | 53.8                     | 1.0                      |
| Total BTEX   | 464                      |                          |

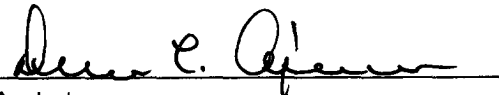
ND - Parameter not detected at the stated detection limit.

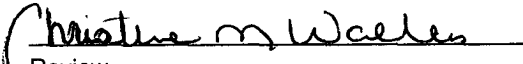
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99.0 %           |
|                       | 1,4-difluorobenzene | 99.0 %           |
|                       | Bromochlorobenzene  | 99.0 %           |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: San Juan 29-7 #46

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |                  |                |          |
|--------------------|------------------|----------------|----------|
| Client:            | N/A              | Project #:     | N/A      |
| Sample ID:         | 12-19-BTEX QA/QC | Date Reported: | 12-19-06 |
| Laboratory Number: | 39528            | Date Sampled:  | N/A      |
| Sample Matrix:     | Soil             | Date Received: | N/A      |
| Preservative:      | N/A              | Date Analyzed: | 12-19-06 |
| Condition:         | N/A              | Analysis:      | BTEX     |

| Calibration and<br>Detection Limits (ug/L) | I-Cal RF:   | C-Cal RF:             | %Diff. | Blank<br>Conc | Detect.<br>Limit |
|--------------------------------------------|-------------|-----------------------|--------|---------------|------------------|
|                                            |             | Accept. Range 0 - 15% |        |               |                  |
| Benzene                                    | 3.9982E+007 | 4.0062E+007           | 0.2%   | ND            | 0.2              |
| Toluene                                    | 5.0148E+007 | 5.0248E+007           | 0.2%   | ND            | 0.2              |
| Ethylbenzene                               | 2.5551E+007 | 2.5602E+007           | 0.2%   | ND            | 0.2              |
| p,m-Xylene                                 | 1.0271E+008 | 1.0291E+008           | 0.2%   | ND            | 0.2              |
| o-Xylene                                   | 4.4770E+007 | 4.4860E+007           | 0.2%   | ND            | 0.1              |

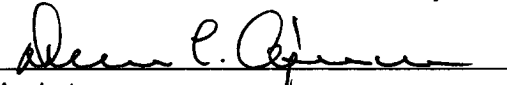
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene                 | ND     | ND        | 0.0%   | 0 - 30%      | 1.8           |
| Toluene                 | ND     | ND        | 0.0%   | 0 - 30%      | 1.7           |
| Ethylbenzene            | ND     | ND        | 0.0%   | 0 - 30%      | 1.5           |
| p,m-Xylene              | ND     | ND        | 0.0%   | 0 - 30%      | 2.2           |
| o-Xylene                | ND     | ND        | 0.0%   | 0 - 30%      | 1.0           |

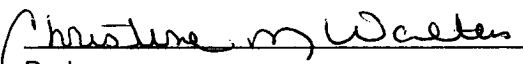
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene             | ND     | 50.0          | 49.9          | 99.8%      | 39 - 150     |
| Toluene             | ND     | 50.0          | 49.9          | 99.8%      | 46 - 148     |
| Ethylbenzene        | ND     | 50.0          | 50.0          | 100.0%     | 32 - 160     |
| p,m-Xylene          | ND     | 100           | 99.9          | 99.9%      | 46 - 148     |
| o-Xylene            | ND     | 50.0          | 50.0          | 100.0%     | 46 - 148     |

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 39528 - 39537

  
Analyst

  
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# CHAIN OF CUSTODY RECORD

[illegible]