### **DELINEATION PROPOSAL**

### NORTH MONUMENT GRAYBURG SAN ANDRES UNIT #603 NMOCD 1RP# 1019 8.31.06 **EPI REF: 240014**

UL-C (NE<sup>1</sup>/<sub>4</sub> OF THE NW<sup>1</sup>/<sub>4</sub>) OF SECTION 20 T19S R37E ~2 MILES NORTH-NORTHWEST OF MONUMENT LEA COUNTY, NEW MEXICO LATITUDE: N 32° 39' 04.30" LONGITUDE: W 103° 16' 33.43"

### **AUGUST 2006**

**PREPARED BY:** 

C. CO. Ob LOBULT RD C. CO. Ob LOBULT RD C. CO. O LOBULT RD ADIAC STOLE RD ADIAC STOLE SA **ENVIRONMENTAL PLUS, INC. 2100 AVENUE O EUNICE, NEW MEXICO 88231** 



-----

### **Distribution List**

Apache Corporation – North Monument Grayburg San Andres Unit #603

### NMOCD 1RP# 1019; EPI Ref: 240014

| Name          | Title                     | Company or Agency                | Mailing Address                      | e-mail                     |
|---------------|---------------------------|----------------------------------|--------------------------------------|----------------------------|
| Larry Johnson | Environmental Engineer    | NMOCD – Hobbs                    | 1625 French Drive<br>Hobbs, NM 88240 | larry.johnson@state.nm.us  |
| Mike Warren   | Senior Production Foreman | Apache Corporation -<br>Monument | 17 Hess Lane<br>Monument, NM 88262   | mike.warren@apachecorp.com |
| Jimmy Cooper  | Landowner                 | 1                                | Box 55<br>Monument, NM 88256         | 1                          |
| File          | 1                         | Environmental Plus,<br>Inc.      | P.O. Box 1558<br>Eunice, NM 88231    | jstegemoller@envplus.net   |

North Monument Grayburg San Andres Unit #603 240014

••••

### STANDARD OF CARE

### Delineation Proposal North Monument Grayburg San Andres Unit #603 NMOCD 1RP # 1019 (EPI Ref. #240014)

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February, 1993) and Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan.* The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were derived using currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered professional with a background in engineering, environmental and/or natural sciences.

This report was prepared by:

Ategemole Jason/Stegemoller

Environmental Scientist

Ingust 31, 2006

This report was reviewed by:

mean

David Duncan Civil Engineer

<u>9|3]]06</u>

### **Table of Contents**

| 1.0 | Project Synopsis               | iv  |
|-----|--------------------------------|-----|
| 2.0 | Site and Release Information   | . 1 |
| 3.0 | NMOCD Site Ranking             | .2  |
| 4.0 | Excavation Soil Information    | .3  |
| 5.0 | Sampling Information           | .4  |
| 6.0 | Analytical Results             | .5  |
| 7.0 | Discussion                     | .6  |
| 8.0 | Conclusion and Recommendations | .7  |

### **FIGURES**

Figure 1: Area Map Figure 2: Site Location Map Figure 3: Site Map Figure 4: Sample Location Map Figure 5: Proposed Soil Boring Location Map

### **TABLES**

Table 1: Well DataTable 2: Summary of Soil Sample Analytical Results

### **APPENDICES**

Appendix I: Laboratory Analytical Reports and Chain-of-Custody Forms Appendix II: Project Photographs Appendix III: Informational Copy of Initial NMOCD C-141 Form

### 1.0 PROJECT SYNOPSIS

### Site Specific:

- Company Name: Apache Corporation
- Facility Name: North Monument Grayburg San Andres Unit #603
- ◆ *Project Reference:* NMOCD 1RP # 1019; EPI # 240014
- Company Contacts: Mike Warren
- ♦ Site Location: WGS84 N32° 39' 04.30"; W103° 16' 33.43"
- Legal Description: Unit Letter-C, (NE¼ of the NW¼), Section 20, T 19S, R 37E
- General Description: Approximately 2-miles north-northwest of Monument, New Mexico
- *Elevation:* 3,680-ft amsl
- Land Ownership: Jimmy T. Cooper
- EPI Personnel: Project Consultant Jason Stegemoller

### Release Specific:

- **Product Released:** Injection Water
- ♦ Volume Released: 85 barrels Volume Recovered: 60 barrels
- ♦ Time of Occurrence: July 16, 2006 a.m. Time of Discovery: July 16, 2006 @ 08:45 hrs
- ♦ *Release Source*: Plug blew out on injection line
- ♦ Initial Surface Area Affected: ~ 42,770 square feet

### **Remediation Specific:**

- ♦ Final Vertical extent of contamination: unknown
- **Depth to Ground Water:** Approximately 50-ft bgs (based on an average depth of wells nearest the release site)
- Water wells within 1,000-ft: None
- Private domestic water sources within 200-ft: None
- Surface water bodies within 1,000-ft: None at the point of release; however an ephemeral pond resides approximately 75-feet south of the southernmost point of the flowpath.
- ♦ NMOCD Site Ranking Index: 20 points
- Remedial goals for Soil: TPH 100 mg/Kg; BTEX 50 mg/Kg; Benzene 10 mg/Kg; Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC groundwater standards of 250 mg/L and 600 mg/L, respectively.
- ♦ **RCRA Waste Classification:** Exempt
- *Remediation Option Selected:* Not applicable
- **Disposal Facility:** Not applicable
- Volume disposed: Not applicable
- Project Completion Date: Ongoing



### 2.0 SITE AND RELEASE INFORMATION

- 2.1 Describe the land use and pertinent geographic features within 1,000 feet of the site. Land surrounding the area is rangeland in native grasses utilized for livestock grazing along with oilfield operations.
- 2.2 Identify and describe the source or suspected source(s) of the release. Plug on injection line blew out.
- 2.3 What is the volume of the release? (if known): <u>approximately 85</u> barrels of <u>injection</u> water
- 2.4 What is the volume recovered? (if any): approximately 60 barrels

### 2.5 When did the release occur? (if known): July 16, 2006

### 2.6 / Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil."

The release site is located in the Laguna Valley physiographic subdivision, described by Nicholson & Clebsch as an area that "is a vast sand dune area, stable or semi-stable over most of the area, but which drifts locally. The surface is very irregular and has no drainage features except at the edges of several playas."

### 2.7 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of sandy soil covered with short semi-arid grasses, interspersed with Honey Mesquite and forbs. Mammals represented include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

### 2.8 Area Groundwater

The unconfined groundwater aquifer at this site is projected to be  $\sim 50$  feet (ft) bgs based on water depth data obtained from the New Mexico State Engineers Office and the United States Geological Survey data base (reference *Table 2*).

### 2.9 Area Water Wells

There are no wells within a 1,000-foot radius of the site. (reference *Table 1* and *Figure 2*).

### 2.10 Area Surface Water Features

There are no surface water features within a 1,000-foot radius of the point of release (reference *Figure 2*). However, an ephemeral pond resides approximately 75-feet south of the southernmost portion of the flowpath.

1

### 3.0 <u>NMOCD SITE RANKING</u>

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February, 1993)
- <u>Pit and Below-Grade Tank Guidelines (November, 2004)</u>

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- Depth to Groundwater (i.e., distance from the lower most acceptable concentration to ground-water);
- Wellhead Protection Area (i.e., distance from fresh water supply wells);
- Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is twenty points with the soil remedial goals highlighted in the Site Ranking table presented below:

| 1. GROUND                        | WATER          | 2. WELLHEAD PROTECTION AREA  | 3. DISTANCE TO SURFACE WATER              |
|----------------------------------|----------------|--|---|
| Depth to GW <50 fe               | et: 20 points  | If <1,000' from water source, or <200' from  | <200 horizontal feet: 20 points           |
| Depth to GW 50 to 9<br>10 points | 99 feet:       | private domestic water source: 20 points   |   |
| Depth to GW >100 f               | eet: 0 points  | If >1,000' from water source, or >200' from private domestic water source: <i>0 points</i> | n >1,000 horizontal feet: <i>0 points</i> |
| Site Rank (1+2+3) =              | 20 + 0 + 0 = 2 | 0 points   |   |
|                                  | Total Site     | Ranking Score and Acceptable Remedial  | Goal Concentrations                       |
| Parameter                        | 20 (           | or > 10  | 0   |
| Benzene <sup>1</sup>             | 10 p           | ppm 10 ppm   | 10 ppm                                    |
| BTEX <sup>1</sup>                | 50 p           | opm 50 ppm   | 50 ppm                                    |
| ТРН                              | 100            | ppm 1,000 ppm  | 5,000 ppm                                 |

<sup>1</sup> A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.

### 4.0 EXCAVATED SOIL INFORMATION

4.1 Was soil excavated for off-site treatment or disposal? 🛛 🖾 Yes 🗌 No

Date excavated: July 25 through August 3, 2006

Total volume removed: Approximately 1,344-cubic yards

- 4.2 Indicated soil treatment type:
- Disposal
  Land Treatement
  Composting/Biopiling
  Other ( )

*Name and location of treatment/disposal facility:* Sundance Services, Eunice, New Mexico

### 5.0 SAMPLING INFORMATION

### 5.1 Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Organic Vapor Concentrations – A portion of each soil sample was placed in a polyethylene bag and allowed sufficient time and temperature for organic vapors to volatilize. The detector portion of a Photoionization Detector equipped with a 10.6 electron volt lamp was placed in the bag to analyze organic vapor concentration.

Chloride Concentrations – A La Motte Chloride Test Kit was utilized for field chloride concentration analyses.

### 5.2 Briefly describe the soil analytical sampling and handling procedures used.

Soil samples collected from the excavation were collected utilizing hand and/or mechanical excavation equipment to gather the sample from at least 6-inches below/within the surface of the excavation.

Upon collection of each sample, a portion was immediately placed in a laboratory provided container, labeled and set on ice for transport to an independent laboratory for quantification of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and total xylenes (BTEX), chloride and sulfate concentrations.

### 5.3 Discuss sample locations and provide rationale for their locations.

Soil samples were collected on July 25, 26 and 31 and August 1 and 2, 2006 from 26 locations within the excavation area utilizing a backhoe. Soil samples were collected at a depth of 1-ft bgs. Soil sample locations were chosen to provide the best representative example of soil within the excavation floor (reference *Figure 4*).

4

### 6.0 ANALYTICAL RESULTS

### 6.1 Describe the vertical and horizontal extent and magnitude of soil contamination.

Laboratory analyses of the excavation soil samples indicated BTEX constituent concentrations were non-detectable (ND) at or above laboratory analytical method detection limits (MDL). TPH was reported as ND at or above laboratory analytical MDL, with the exception of the collected from BH-21 (6"). Analytical results of BH-21 (6") indicated TPH concentrations were 71 mg/Kg, below the NMOCD remedial threshold of 100 mg/Kg. Reported chloride concentrations ranged from 126 to 2,110 mg/Kg. Sulfate concentrations ranged from 17.6 to 2,380 mg/Kg (reference *Table 1* and *Figure 4*).

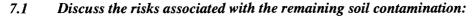
6.2 Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?

🗌 yes 🛛 no

If yes, attach a site map identifying extent(s) of surface soil contamination.

Visibly stained soil was excavated and transported to Sundance Services for disposal.

### 7.0 <u>DISCUSSION</u>



Laboratory analytical results indicated TPH and BTEX constituent concentrations were below NMOCD remedial thresholds. Chloride residuals exist below the current excavation floor. Based on depth to groundwater (approximately 50- ft bgs), chloride residuals remaining in the excavation floor may be capable of impacting groundwater above NMWQCC groundwater standards.

- 7.2 Discuss the risks associated with the impacted groundwater: Chloride residuals remaining in the soil may be capable of impacting local groundwater above the NMWQCC groundwater standard of 250 mg/L.
- 7.3 Discuss other concerns not mentioned above: NA

### 8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Recommendation for the site:

] Site Closure

Additional Groundwater Monitoring

Corrective Action

8.2 Base the recommendation above on <u>Guidelines for Remediation of Leaks, Spills and</u> <u>Releases (August 13, 1993)</u>. Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.

Approximately 1,344 cubic yards of impacted soil were removed from an excavation area of approximately 42,770 square feet to a depth of 1-ft bgs in the pasture area and 6-inches bgs on the caliche well pad and road. Excavated soil was transported to Sundance Services for disposal.

Laboratory analytical results of soil samples collected by EPI personnel from the excavation floor indicate TPH and BTEX constituent concentrations were below each analytes' respective NMOCD remedial threshold. Chloride concentrations at 1-ft bgs were in excess of the remediation goal of 250 mg/Kg in 21 of 26 sample locations. Reported sulfate concentrations were below the 600 mg/Kg remedial goal in all sample locations, except sample BH-25 (6").

### 8.3 If additional groundwater monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report. NA

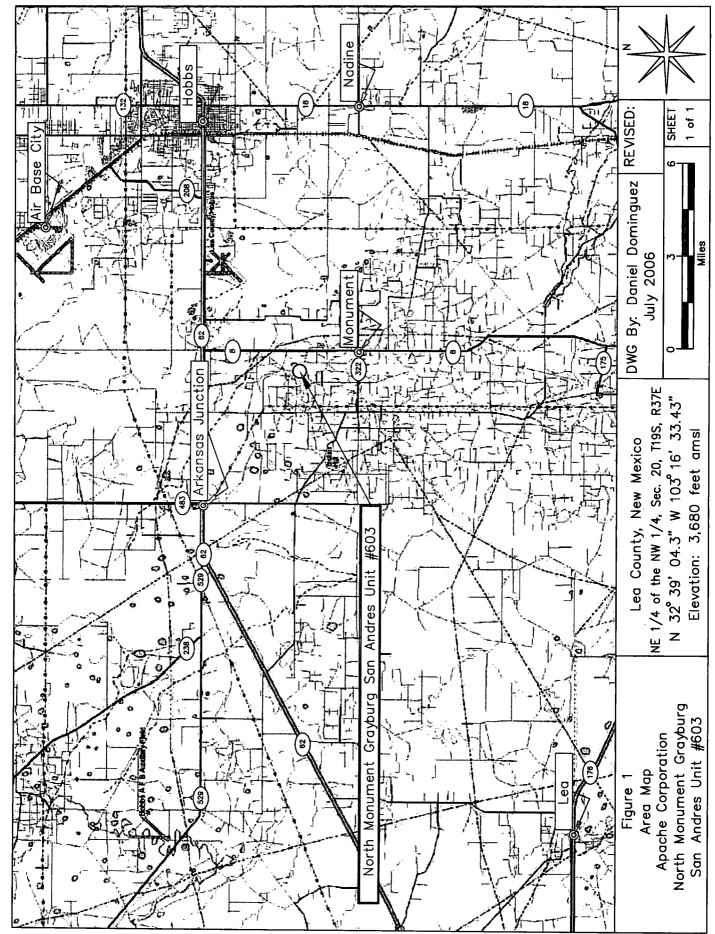
### 8.4 If corrective action is recommended, provide a conceptual approach.

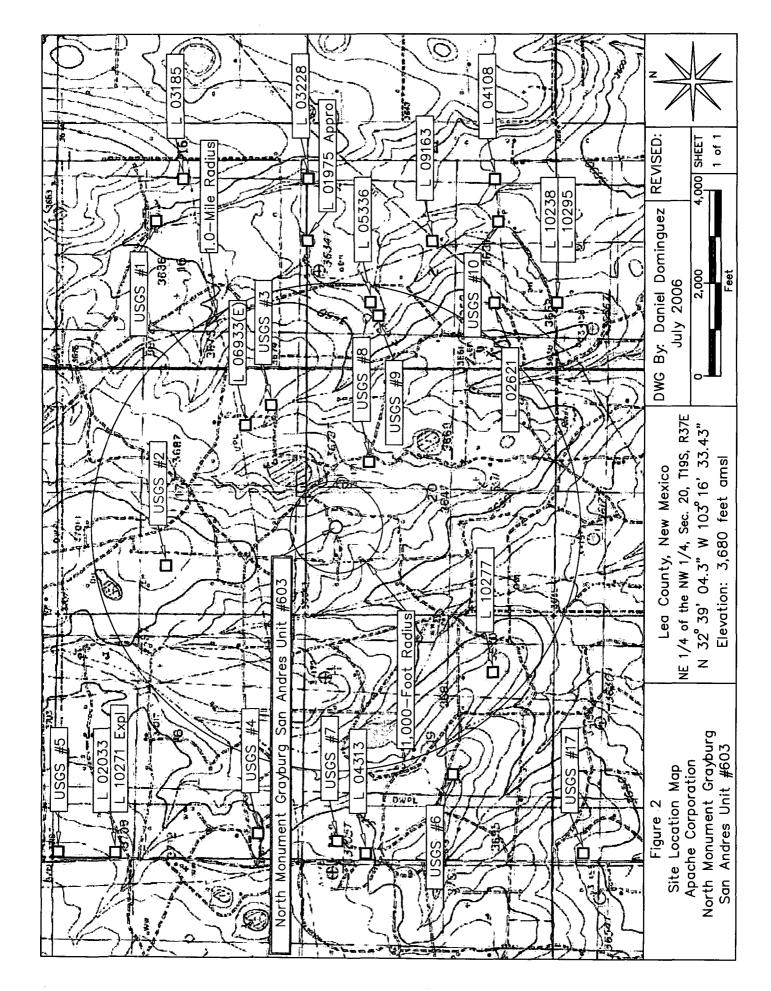
Based on laboratory analyses, chloride impacted soil remains below 1-ft bgs. Laboratory analyses of soil samples collected from the excavation floor indicate TPH and BTEX constituents were below each analytes' respective NMOCD remedial threshold.

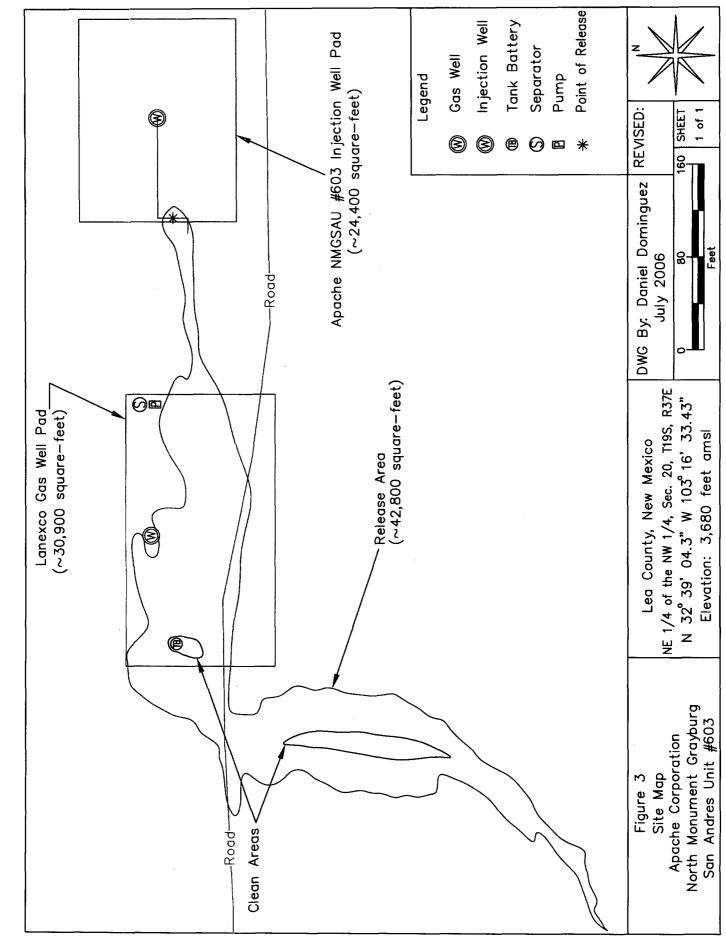
Environmental Plus, Inc., on behalf of Apache, recommends three soil borings be advanced to delineate the vertical extent of chloride impacted soil. One soil boring shall be advanced west of the Lanexco Gas Well Pad (i.e., where injection water pooled during the initial release). The remaining two soil borings shall be advanced in the flowpath area of the pasture (reference *Figure 5*).

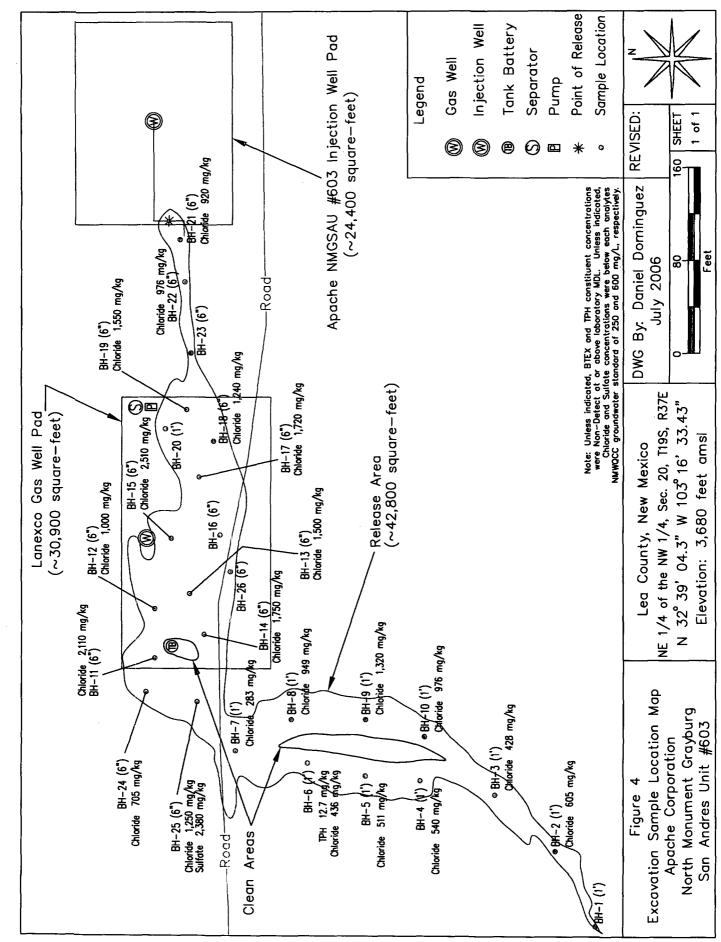
### FIGURES

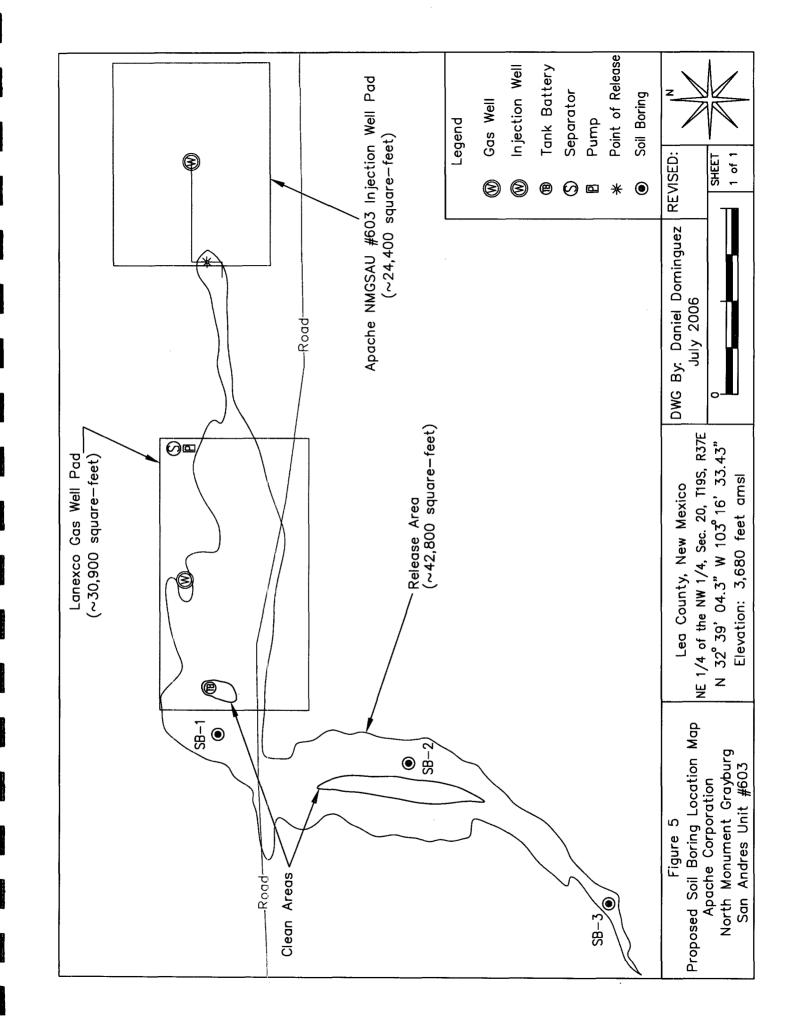
N











### TABLES

**TABLE 1** 

### <u>Well Data</u>

# Apache Corporation - North Monument Grayburg San Andres Unit #603 (Ref. # 240014)

| Well Number   | Diversion <sup>A</sup> | Owner                          | Use | Twsp | Rng    | b b b cos | Latitude        | I.ongitude       | Date      | Surface<br>Flourion <sup>B</sup> | Depth to<br>Water |
|---------------|------------------------|--------------------------------|-----|------|--------|-----------|-----------------|------------------|-----------|----------------------------------|-------------------|
|               |                        |                                |     |      |        |           |                 |                  |           |                                  | (ft bgs)          |
| , 01975 APPRO | 3                      | 0 & W DRLG. CO.                | PRO | 19S  | 37E    | 16 4 3    | N32° 39' 10.30" | W103° 15' 21.56" | 12-Feb-53 | 3,638                            | 20                |
| 03185         | e                      | CARPER DRILLING CO.            | PRO | 19S  | 37E 1  | 16 24     | N32° 39' 36.37" | W103° 15' 6.16"  | 24-Apr-56 | 3,668                            | 45                |
| 03228         | 3                      | MAKIN DRILLING COMPANY         | PRO | 19S  | 37E 1  | 16 44     | N32° 39' 10.26" | W103° 15' 6.14"  | 18-Jun-56 | 3,641                            | 42                |
| 06933 (E)     | 0                      | GULF OIL CORPORATION           | PRO | 19S  | 37E 1  | 17 423    | N32° 39' 23.47" | W103° 16' 7.86"  | 12-Apr-72 | 3,678                            | 65                |
| 02033         | 0                      | MONUMENT WATER USERS           | DOM | 19S  | 37E  1 | 111181    | N32° 39' 50.42" | W103° 17' 55.35" | 12-Sep-47 | 3,717                            | 35                |
| , 10271 EXPL  | 0                      | INC. SNYDER RANCHES            | EXP | 19S  | 37E 1  | 18 111    | N32° 39' 50.42" | W103° 17' 55.35" | 13-Jul-92 | 3,717                            | 70                |
| , 04313       | 3                      | MCVAY AND STAFFORD DRILLING CO | PRO | 19S  | 37E 1  | 19 11     | N32° 38' 58.03" | W103° 17' 55.36" | 23-Oct-59 | 3,704                            | 52                |
| , 10277       | 3                      | INC. SNYDER RANCHES            | STK | 19S  | 37E 1  | 19 422    | N32° 38' 31.48" | W103° 17' 9.65"  | 10-Jul-92 | 3,678                            | 40                |
| 02621         | 3                      | LA MANCE DRILLING COMPANY      | PRO | 19S  | 37E 2  | 21 323    | N32° 38' 31.20" | W103° 15' 37.02" | 14-Sep-54 | 3,642                            | 40                |
| 04108         | 3                      | R.H. HUSTON                    | PRO | 19S  | 37E 2  | 21 42     | N32° 38' 31.15" | W103° 15' 6.17"  | 01-Apr-59 | 3,619                            | 22                |
| 05336         | 0                      | GULF OIL CORPORATION           | PRO | 19S  | 37E 21 | 1 1 2 4   | N32° 38' 57.29" | W103° 15' 37.00" | 15-Feb-64 | 3,639                            | 30                |
| 09163         | 3                      | LEROY LOTT                     | DOM | 19S  | 37E  2 | 21 232    | N32° 38' 44.21" | W103° 15' 21.58" | 16-Apr-83 | 3,632                            | 47                |
| 10238         | 3                      | W. S. ISRAEL                   | DOM | 19S  | 37E 21 | 1343      | N32° 38' 18.16" | W103° 15' 37.03" | 19-Mar-92 | 3,637                            | 30                |
| 10295         | 3                      | TERRY ISRAEL                   | DOM | 19S  | 37E 2  | 21 343    | N32° 38' 18.16" | W103° 15' 37.03" | 29-Oct-92 | 3,637                            | 30                |
| JSGS #1       |                        |                                |     | 19S  | 37E 1  | 16 233    |                 |                  | 08-Mar-91 | 3,648                            | 26.94             |
| JSGS #2       |                        |                                |     | 19S  | 37E 1  | 17 134    |                 |                  | 27-Feb-96 | 3,706                            | 62.54             |
| ISGS #3       |                        |                                |     | 19S  | 37E 1  | 17 431    |                 |                  | 24-Apr-91 | 3,670                            | 36.96             |
| USGS #4       |                        |                                |     | 19S  | 37E 1  | 18 331    |                 |                  | 18-Mar-54 | 3,701                            | 51.93             |
| JSGS #5       |                        |                                |     | 19S  | 37E 1  | 18 111    |                 |                  | 22-Feb-91 | 3,716                            | 63.87             |
| JSGS #6       |                        |                                |     | 19S  | 37E 1  | 19 321    |                 |                  | 21-Feb-91 | 3,670                            | 58.43             |
| JSGS #7       |                        |                                |     | 19S  | 37E 1  | 19 113    |                 |                  | 06-Mar-96 | 3,702                            | 57.31             |
| JSGS #8       |                        |                                |     | 19S  | 37E  2 | 20 2 3 1  |                 |                  | 19-Apr-68 | 3,662                            | 47.85             |
| JSGS #9       |                        |                                |     | 19S  | 37E 21 | 1 132     |                 |                  | 29-Feb-96 | 3,640                            | 24.13             |
| JSGS #10      |                        |                                |     | 19S  | 37E 2  | 21 431    |                 |                  | 09-Jan-86 | 3,614                            | 16.19             |
| JSGS #17      |                        |                                |     | 19S  | 37E 3  | 30 111    |                 |                  | 11-Feb-66 | 3,654                            | 26.88             |

**TABLE 2** 

## Summary of Excavation Soil Sample Laboratory Analytical Results

Apache Corporation - North Monument Grayburg San Andres Unit #603 (Ref. #240014)

| Sample I.D. | Depth<br>(feet) | Depth PID (feet) analysis | Field<br>Chloride<br>Analysis | Soil<br>Status | Sample Date | Benzene<br>(mg/Kg) | Toluene<br>(mg/Kg) | Ethylbenzene<br>(mg/Kg) | Total<br>Xylenes<br>(mg/Kg) | Total<br>BTEX<br>(mg/Kg) | Carbon C6-<br>C12 Range<br>(mg/Kg) | Carbon C12-<br>C28 Range<br>(mg/Kg) | Carbon C12- Carbon C28-<br>C28 Range C35 Range<br>(mg/Kg) (mg/Kg) | Total<br>TPH<br>(mg/Kg) | Chloride<br>(mg/Kg) | Sulfate<br>(mg/Kg) |
|-------------|-----------------|---------------------------|-------------------------------|----------------|-------------|--------------------|--------------------|-------------------------|-----------------------------|--------------------------|------------------------------------|-------------------------------------|---|-------------------------|---------------------|--------------------|
| BH-1 (1')   | 1               | 8.9                       | 240                           | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 126                 | 43.0               |
| BH-2 (1')   | 1               | 12.4                      | 096                           | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 605                 | 111                |
| BH-3 (1')   | 1               | 0.0                       | 520                           | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | 7.91 <sup>B</sup>                   | <10.0   | <10.0                   | 428                 | 63.6               |
| BH-4 (1')   | -               | 18.8                      | 006                           | In Situ        | 25-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 540                 | 151                |
| BH-5 (1')   | Ι               | 18.9                      | 560                           | In Situ        | 25-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 511                 | 98.5               |
| BH-6 (1')   | 1               | 4.0                       | 560                           | In Situ        | 25-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | 12.7                                | 8.53 <sup>B</sup>   | 12.7                    | 436                 | 117                |
| BH-7 (1')   | 1               | 18.9                      | 500                           | In Situ        | 25-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 283                 | 49.3               |
| BH-8 (1')   | 1               | 0.0                       | 1,200                         | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | 4.45 <sup>B</sup>                   | 1.98 <sup>B</sup>   | <10.0                   | 949                 | 131                |
| ('1) 9-HB   |                 | 0.0                       | 1,760                         | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,320               | 172                |
| BH-10 (1')  | -               | 8.3                       | 800                           | In Situ        | 26-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 976                 | 134                |
| BH-11 (6")  | 0.5             | 4.3                       | 2,000                         | In Situ        | 31-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 2,110               | 281                |
| BH-12 (6")  | 0.5             | 4.1                       | 960                           | In Situ        | 31-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,000               | 74.5               |
| BH-13 (6")  | 0.5             | 4.3                       | 1,200                         | In Situ        | 31-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,500               | 178                |
| BH-14 (6")  | 0.5             | 4.1                       | 1,760                         | In Situ        | 31-Jul-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,750               | 216                |

**TABLE 2** 

## Summary of Excavation Soil Sample Laboratory Analytical Results

Apache Corporation - North Monument Grayburg San Andres Unit #603 (Ref. #240014)

| Sample I.D. | Depth<br>(feet) | Depth PID (feet) analysis | Field<br>Chloride<br>Analysis | Soil<br>Status | Sample Date | Benzene<br>(mg/Kg) | Toluene<br>(mg/Kg) | Ethylbenzene<br>(mg/Kg) | Total<br>Xylenes<br>(mg/Kg) | Total<br>BTEX<br>(mg/Kg) | Carbon C6-<br>C12 Range<br>(mg/Kg) | Carbon C12-<br>C28 Range<br>(mg/Kg) | Carbon C12- Carbon C28-<br>C28 Range C35 Range<br>(mg/Kg) (mg/Kg) | Total<br>TPH<br>(mg/Kg) | Chloride<br>(mg/Kg) | Sulfate<br>(mg/Kg) |
|-------------|-----------------|---------------------------|-------------------------------|----------------|-------------|--------------------|--------------------|-------------------------|-----------------------------|--------------------------|------------------------------------|-------------------------------------|---|-------------------------|---------------------|--------------------|
| BH-15 (6")  | 0.5             | 11.1                      | 2,000                         | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 2,510               | 146                |
| BH-16 (6")  | 0.5             | 0.0                       | 400                           | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 226                 | 84.6               |
| BH-17 (6")  | 0.5             | 0.0                       | 1,600                         | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,720               | 290                |
| BH-18 (6")  | 0.5             | 0.0                       | 1,200                         | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,240               | 176                |
| BH-19 (6")  | 0.5             | 0.0                       | 1,360                         | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,550               | 253                |
| BH-20 (6")  | 0.5             | 0.0                       | 160                           | In Situ        | 01-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 7.20                | 21.8               |
| BH-21 (6")  | 0.5             | 0.0                       | 1,280                         | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | 13.4                               | 57.8                                | <10.0   | 71.2                    | 920                 | 168                |
| BH-22 (6")  | 0.5             | 0.0                       | 1,280                         | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 976                 | 121                |
| BH-23 (6")  | 0.5             | 0.0                       | 120                           | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 60.9                | 17.6               |
| BH-24 (6")  | 0.5             | 18.3                      | 1,440                         | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | 0.0361                      | 0.0361                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 705                 | 65.3               |
| BH-25 (6")  | 0.5             | 19.5                      | 1,040                         | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 1,250               | 2,380              |
| BH-26 (6")  | 0.5             | 0.0                       | 320                           | In Situ        | 02-Aug-06   | <0.0250            | <0.0250            | <0.0250                 | <0.05                       | <0.125                   | <10.0                              | <10.0                               | <10.0   | <10.0                   | 136                 | 151                |
|             | IMOCI           | D Reme                    | NMOCD Remedial Thresholds     | sholds         |             | 10                 |                    |                         |                             | 99                       |                                    |                                     |   | 001                     | 250 <sup>A</sup>    | 600 <sup>A</sup>   |
|             |                 | a 0007                    |                               | 1.1.           |             |                    |                    |                         |                             |                          |                                    |                                     |   |                         |                     |                    |

Bolded values are in excess of NMOCD Remediation Thresholds

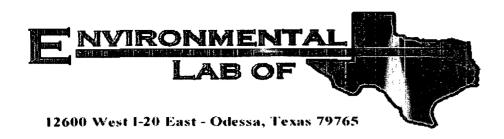
-- =Not Analyzed <sup>A</sup>Chloride and Sulfate residuals may not be capable of impacting local groundwater above the NMWQCC standards of 250 mg/L and 650 mg/L respectively. <sup>B</sup> = Estimated value, analyte detected below reporting limit .

### **APPENDICES**

.

### **APPENDIX I**

### LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORM



### Analytical Report

### **Prepared for:**

Jason Stegemoller Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Location: UL-C, Sect. 20, T 19 S, R 37 E

Lab Order Number: 6G28008

Report Date: 08/03/06

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller Fax: 505-394-2601

### ANALYTICAL REPORT FOR SAMPLES

|           |               |        |                  | -                |
|-----------|---------------|--------|------------------|------------------|
| Sample ID | Laboratory ID | Matrix | Date Sampled     | Date Received    |
| BH-1 1'   | 6G28008-01    | Soil   | 2006-07-26 10:15 | 2006-07-28 10:50 |
| BH-2 1'   | 6G28008-02    | Soil   | 2006-07-26 10:35 | 2006-07-28 10:50 |
| BH-3 1'   | 6G28008-03    | Soil   | 2006-07-26 10:45 | 2006-07-28 10:50 |
| BH-4 1'   | 6G28008-04    | Soil   | 2006-07-25 10:20 | 2006-07-28 10:50 |
| BH-5 1'   | 6G28008-05    | Soil   | 2006-07-25 10:40 | 2006-07-28 10:50 |
| BH-6 1'   | 6G28008-06    | Soil   | 2006-07-25 13:30 | 2006-07-28 10:50 |
| BH-7 1'   | 6G28008-07    | Soil   | 2006-07-25 13:45 | 2006-07-28 10:50 |
| BH-8 1'   | 6G28008-08    | Soil   | 2006-07-26 13:15 | 2006-07-28 10:50 |
| BH-9 I'   | 6G28008-09    | Soil   | 2006-07-26 13:30 | 2006-07-28 10:50 |
| BH-10 1'  | 6G28008-10    | Soil   | 2006-07-26 13:45 | 2006-07-28 10:50 |
|           |               |        |                  |                  |

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

### Organics by GC

### **Environmental Lab of Texas**

|                                   |          | Reporting |           |                 |                 |                |                  |                       |           |
|-----------------------------------|----------|-----------|-----------|-----------------|-----------------|----------------|------------------|-----------------------|-----------|
| Analyte                           | Result   | Limit     | Units     | Dilution        | Batch           | Prepared       | Analyzed         | Method                | Note      |
| BH-1 1' (6G28008-01) Soil         |          |           |           |                 |                 |                |                  |                       |           |
| Benzene                           | ND       | 0.0250    | mg/kg dry | 25              | EG63119         | 07/31/06       | 08/01/06         | EPA 8021B             |           |
| Toluene                           | ND       | 0.0250    | U         | "               | **              | н              |                  |                       |           |
| Ethylbenzene                      | ND       | 0.0250    | ч         | "               | ••              | "              | •*               | и                     |           |
| Xylene (p/m)                      | ND       | 0.0250    | "         | "               |                 | "              |                  | n                     |           |
| Xylene (0)                        | ND       | 0.0250    | "         | "               | н               | н              | n                | "                     |           |
| Surrogate: a,a,a-Trifluorotoluene |          | 94.8 %    | 80-       | 120             | "               | "              | "                | 17                    |           |
| Surrogate: 4-Bromofluorobenzene   |          | 88.5 %    | 80-1      | 120             | "               | "              | "                | "                     |           |
| Carbon Ranges C6-C12              | ND       | 10.0      | mg/kg dry | 1               | EG62817         | 07/28/06       | 07/30/06         | EPA 8015M             |           |
| Carbon Ranges C12-C28             | ND       | 10.0      | *1        | н               | 11              | "              | *                | n                     |           |
| Carbon Ranges C28-C35             | ND       | 10.0      | 'n        | n               | "               | "              | n                | n                     |           |
| Total Hydrocarbons                | ND       | 10.0      | "         |                 | u               | "              | "                | u                     |           |
| Surrogate: I-Chlorooctane         |          | 113 %     | 70-       | 130             | "               | "              | "                | "                     |           |
| Surrogate: 1-Chlorooctadecane     |          | 111 %     | 70        | 130             | "               | "              | "                | "                     |           |
| BH-2 1' (6G28008-02) Soil         |          |           |           |                 |                 |                |                  |                       |           |
| Benzene                           | ND       | 0.0250    | mg/kg dry | 25              | EG63119         | 07/31/06       | 08/01/06         | EPA 8021B             |           |
| Toluene                           | ND       | 0.0250    | н         | н               | "               | "              |                  |                       |           |
| Ethylbenzene                      | ND       | 0.0250    | "         | "               | "               | "              | 0                | "                     |           |
| Xylene (p/m)                      | ND       | 0.0250    | "         | "               | ч               | "              |                  | "                     |           |
| Xylene (0)                        | ND       | 0.0250    | "         |                 | "               | *              | "                | "                     |           |
| Surrogate: a,a,a-Trifluorotoluene |          | 100 %     | 80        | 120             | "               | "              | "                | "                     |           |
| Surrogate: 4-Bromofluorobenzene   |          | 83.2 %    | 80        | 120             | n               | "              | "                | "                     |           |
| Carbon Ranges C6-C12              | ND       | 10.0      | mg/kg dry | 1               | EG62817         | 07/28/06       | 07/30/06         | EPA 8015M             |           |
| Carbon Ranges C12-C28             | ND       | 10.0      | "         | 51              | н               | "              | "                | "                     |           |
| Carbon Ranges C28-C35             | ND       | 10.0      | "         |                 | "               | "              | и                | "                     |           |
| Total Hydrocarbons                | ND       | 10.0      | "         | "               | "               | н              | "                | "                     |           |
| Surrogate: 1-Chlorooctane         |          | 114 %     | 70-       | 130             | "               | "              | "                | "                     |           |
| Surrogate: 1-Chlorooctadecane     |          | 111 %     | 70-       | 130             | "               | "              | "                | "                     |           |
| BH-3 1' (6G28008-03) Soil         |          |           |           |                 |                 |                |                  |                       |           |
| Benzene                           | ND       | 0.0250    | mg/kg dry | 25              | EG63119         | 07/31/06       | 08/01/06         | EPA 8021B             |           |
| Toluene                           | ND       | 0.0250    |           |                 | "               | "              | .,               | н                     |           |
| Ethylbenzene                      | ND       | 0.0250    | "         | *               | 0               | "              | "                | "                     |           |
| Xylene (p/m)                      | ND       | 0.0250    | "         |                 | н               | "              | 11               | "                     |           |
| Xylene (0)                        | ND       | 0.0250    |           |                 | "               | "              | "                | "                     |           |
| Surrogate: a,a,a-Trifluorotoluene |          | 91.8 %    | 80-       | 120             | "               | "              | "                | "                     |           |
| Surrogate: 4-Bromofluorobenzene   |          | 84.8 %    | 80-       | 120             | "               | "              | n                | "                     |           |
| Carbon Ranges C6-C12              | ND       | 10.0      | mg/kg dry | 1               | EG62817         | 07/28/06       | 07/30/06         | EPA 8015M             |           |
| Environmental Lab of Texas        | <u> </u> |           | The re    | sults in this i | report apply to | the samples an | alyzed in accord | ance with the sample. | <u></u> s |

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 14

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

### Organics by GC

### **Environmental Lab of Texas**

| Analyte                           | Result   | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Note |
|-----------------------------------|----------|--------------------|-----------|----------|---------|----------|----------|-----------|------|
| BH-3 1' (6G28008-03) Soil         |          |                    |           |          |         |          |          |           |      |
| Carbon Ranges C12-C28             | J [7.91] | 10.0               | mg/kg dry | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M |      |
| Carbon Ranges C28-C35             | ND       | 10.0               | "         | •        | *       | н        | **       | **        |      |
| Total Hydrocarbons                | ND       | 10.0               | "         |          | "       | и        | "        | н         |      |
| Surrogate: 1-Chlorooctane         |          | 117 %              | 70-1      | 30       | "       | "        | "        | "         |      |
| Surrogate: 1-Chlorooctadecane     |          | 115 %              | 70-1      | 30       | "       | n        | "        | "         |      |
| BH-4 1' (6G28008-04) Soil         |          |                    |           |          |         |          |          |           |      |
| Benzene                           | ND       | 0.0250             | mg/kg dry | 25       | EG63119 | 07/31/06 | 08/01/06 | EPA 8021B |      |
| Toluene                           | ND       | 0.0250             |           | "        | "       | n        |          | 11        |      |
| Ethylbenzene                      | ND       | 0.0250             | n         | "        | "       | "        |          | 11        |      |
| Xylene (p/m)                      | ND       | 0.0250             | "         | 11       | п       | 11       | "        |           |      |
| Xylene (0)                        | ND       | 0.0250             |           | "        | **      | н        | "        | u         |      |
| Surrogate: a,a,a-Trifluorotoluene |          | 94.0 %             | 80-1      | 20       | "       | "        | "        | "         |      |
| Surrogate: 4-Bromofluorobenzene   |          | 88.0 %             | 80-1      | 20       | "       | "        | "        | "         |      |
| Carbon Ranges C6-C12              | ND       | 10.0               | mg/kg dry | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M |      |
| Carbon Ranges C12-C28             | ND       | 10.0               |           | н        | "       | "        | "        | и         |      |
| Carbon Ranges C28-C35             | ND       | 10.0               | u         | *        | **      | 'n       | "        | u         |      |
| Total Hydrocarbons                | ND       | 10.0               |           | н        |         | "        | и        | II.       |      |
| Surrogate: 1-Chlorooctane         |          | 116 %              | 70-1      | 30       | "       | "        | "        | "         |      |
| Surrogate: 1-Chlorooctadecane     |          | 113 %              | 70-1      | 30       | "       | "        | "        | "         |      |
| BH-5 1' (6G28008-05) Soil         |          |                    |           |          |         |          |          |           |      |
| Benzene                           | ND       | 0.0250             | mg/kg dry | 25       | EG63119 | 07/31/06 | 08/01/06 | EPA 8021B |      |
| Toluene                           | ND       | 0.0250             |           | н        | "       | "        | n        | 11        |      |
| Ethylbenzene                      | ND       | 0.0250             | н         | "        | "       | "        | 0        | "         |      |
| Xylene (p/m)                      | ND       | 0.0250             | "         | 11       | **      | "        | ч        | "         |      |
| Xylene (0)                        | ND       | 0.0250             | "         | н        |         | "        | n        |           |      |
| Surrogate: a,a,a-Trifluorotoluene |          | 88.2 %             | 80-1      | 20       | "       | "        | "        | "         |      |
| Surrogate: 4-Bromofluorobenzene   |          | 80.0 %             | 80-1      | 20       | **      | **       | "        | **        |      |
| Carbon Ranges C6-C12              | ND       | 10.0               | mg/kg dry | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M |      |
| Carbon Ranges C12-C28             | ND       | 10.0               | **        |          | *       | н        | 11       | **        |      |
| Carbon Ranges C28-C35             | ND       | 10.0               | "         | "        |         | H        | "        | "         |      |
| Total Hydrocarbons                | ND       | 10.0               | н         | "        | .,      |          | "        | "         |      |
| Surrogate: 1-Chlorooctane         |          | 116 %              | 70-1      | 30       | "       | "        | "        | "         |      |
| Surrogate: 1-Chlorooctadecane     |          | 113 %              | 70-1      | 30       | n       | "        | "        | "         |      |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

### Organics by GC

### **Environmental Lab of Texas**

| Analyte                           | Result   | Reporting<br>Limit | Units      | Dilution | Batch   | Prepared | Analyzed | Method                | Note |
|-----------------------------------|----------|--------------------|------------|----------|---------|----------|----------|-----------------------|------|
| BH-6 1' (6G28008-06) Soil         |          |                    |            |          |         |          |          |                       |      |
| Benzene                           | ND       | 0.0250             | mg/kg dry  | 25       | EH60114 | 08/01/06 | 08/02/06 | EPA 8021B             |      |
| Toluene                           | ND       | 0.0250             | н          | "        | "       | "        | "        |                       |      |
| Ethylbenzene                      | ND       | 0.0250             | n          | "        | "       | 0        |          | "                     |      |
| Xylene (p/m)                      | ND       | 0.0250             | "          | 11       | "       | "        | "        | "                     |      |
| Xylene (0)                        | ND       | 0.0250             | "          | *1       | "       | "        | "        | "                     |      |
| Surrogate: a,a,a-Trifluorotoluene |          | 83.2 %             | 80-1       | 20       | "       | "        | "        | "                     |      |
| Surrogate: 4-Bromofluorobenzene   |          | 82.8 %             | 80-1       | 20       | "       | "        | "        | "                     |      |
| Carbon Ranges C6-C12              | ND       | 10.0               | mg/kg dry  | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M             |      |
| Carbon Ranges C12-C28             | 12.7     | 10.0               | "          | •        | "       | "        | n        | "                     |      |
| Carbon Ranges C28-C35             | J [8.53] | 10.0               | "          | "        |         | u        | 11       | "                     |      |
| Total Hydrocarbons                | 12.7     | 10.0               | "          | "        |         | "        | 11       | "                     |      |
| Surrogate: I-Chlorooctane         |          | 118 %              | 70-1       | 30       | "       | "        | и        | "                     |      |
| Surrogate: 1-Chlorooctadecane     |          | 115 %              | 70-1       | 30       | "       | "        | "        | "                     |      |
| BH-7 1' (6G28008-07) Soil         |          |                    |            |          |         |          |          |                       |      |
| Benzene                           | ND       | 0.0250             | mg/kg dry  | 25       | EH60114 | 08/01/06 | 08/02/06 | EPA 8021B             |      |
| Toluene                           | ND       | 0.0250             | "          | "        | ч       |          | м        | "                     |      |
| Ethylbenzene                      | ND       | 0.0250             | н          | 11       | "       | "        | "        | "                     |      |
| Xylene (p/m)                      | ND       | 0.0250             | 11         | 11       | "       | "        | "        |                       |      |
| Xylene (o)                        | ND       | 0.0250             | "          | "        | "       | "        | "        | "                     |      |
| Surrogate: a,a,a-Trifluorotoluene |          | 94.0 %             | 80-1       | 20       | "       | "        | "        | "                     |      |
| Surrogate: 4-Bromofluorobenzene   |          | 83.5 %             | 80-1       | 20       | "       | "        | "        | "                     |      |
| Carbon Ranges C6-C12              | ND       | 10.0               | mg/kg dry  | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M             |      |
| Carbon Ranges C12-C28             | ND       | 10.0               | "          | н        | "       | "        |          | "                     |      |
| Carbon Ranges C28-C35             | ND       | 10.0               | н          | 11       |         | "        | "        | "                     |      |
| Total Hydrocarbons                | ND       | 10.0               |            | "        | 11      | "        | м        | 17                    |      |
| Surrogate: 1-Chlorooctane         |          | 118 %              | 70-1       | 30       | "       | н        | "        | "                     |      |
| Surrogate: 1-Chlorooctadecane     |          | 115 %              | 70-1       | 30       | 17      | "        | "        | n                     |      |
| BH-8 1' (6G28008-08) Soil         |          |                    |            |          |         |          |          |                       |      |
| Benzene                           | ND       | 0.0250             | mg/kg dry  | 25       | EH60114 | 08/01/06 | 08/02/06 | EPA 8021B             |      |
| Toluene                           | ND       | 0.0250             | "          | 11       | 14      | "        | "        | "                     |      |
| Ethylbenzene                      | ND       | 0.0250             | ч          | "        |         | "        | "        | "                     |      |
| Xylene (p/m)                      | ND       | 0.0250             | "          | "        | 11      | "        |          | "                     |      |
| Xylene (o)                        | ND       | 0.0250             | "          | "        | н       | "        |          | "                     |      |
| Surrogate: a,a,a-Trifluorotoluene |          | 93.0 %             | 80-1       | 20       | "       | "        | 17       | "                     |      |
| Surrogate: 4-Bromofluorobenzene   |          | 84.0 %             | 80-1       | 20       | "       | "        | "        | "                     |      |
| Carbon Ranges C6-C12              | ND       | 10.0               | mg/kg dry  | 1        | EG62817 | 07/28/06 | 07/30/06 | EPA 8015M             |      |
| Environmental Lab of Texas        |          |                    | <i>T</i> 1 |          |         |          |          | ance with the samples |      |

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Environmental Plus, Incorporated<br>P.O. Box 1558 | 8 - y                |                    | Project: Apac<br>lumber: 2400 |                | on. Grayburg         | g SA 603 | , T.       | Fax: 50:       | 5-394-2601     |
|---|----------------------|--------------------|-------------------------------|----------------|----------------------|----------|------------|----------------|----------------|
| Eunice NM, 88231                                  |                      |                    | anager: Jason                 |                | oller                |          |            |                | · .            |
|   |                      | 0                  |                               | CC             |                      |          | · .        |                | <u> </u>       |
|   |                      |                    | rganics by                    |                |                      |          |            |                |                |
|   |                      | Environ            | mental La                     | b of Te        | exas                 |          |            | · · · · · ·    |                |
| Analyte   | Result               | Reporting<br>Limit | Units                         | Dilution       | Batch                | Prepared | Analyzed   | Method         | Netes          |
| BH-8 1' (6G28008-08) Soil                         |                      |                    |                               | Dilution       |                      | Trepared | Analyzeu   | Method         | Notes          |
|   | T 1 4 4 1 1          |                    |                               |                |                      |          |            |                |                |
| Carbon Ranges C12-C28                             | J [4.45]<br>J [1.98] | 10.0               | mg/kg dry ``                  | `1             | EG62817              | 07/28/06 | 07/30/06   | EPA 8015M<br>" |                |
| Carbon Ranges C28-C35<br>Fotal Hydrocarbons       | J [1.98]<br>ND       | 10.0<br>10.0       |                               |                |                      | "        | "          |                | , <sup>1</sup> |
| -   | ND                   |                    | 70:12                         | <u> </u>       | "                    | "        | "          |                |                |
| Surrogate: 1-Chlorooctane                         |                      | 116%               | 70-130                        |                | , · · ·              |          | ,,         |                |                |
| Surrogate: 1-Chlorooctadecane                     |                      | 114 %              | 70-130                        | ,              |                      | ~        |            |                | -              |
| BH-9 1' (6G28008-09) Soil                         |                      |                    |                               |                |                      |          |            |                | • • •          |
| Benzene   | ND                   | 0.0250             | mg/kg dry                     | 25             | EH60114 <sup>^</sup> | 08/01/06 | 08/02/06   | EPA'8021B      | • •            |
| Foluene   | ND                   | 0.0250             | и -                           | "              | •                    | н        | н          | •              | ·<br>*         |
| Ethylbenzene                                      | ND                   | 0.0250             | н                             |                | ۳.                   | "        | н ,        | ка н. е        |                |
| Kylene (p/m)                                      | ND                   | 0.0250             | н.                            | н              | н с.                 |          | н          | °н             | •              |
| Xylene (o)  | ND                   | 0.0250             |                               | н              | "                    | "        | н          | . "            |                |
| Surrogate: a,a,a-Trifluorotoluene                 |                      | 94.8 %             | 80-120                        | )              | "                    | "        | "          | · <i>n</i>     | · .            |
| Surrogate: 4-Bromofluorobenzene                   |                      | 85.5 %             | 80-120                        | )              | "                    | n        | "          | "              |                |
| Carbon Ranges C6-C12                              | ND                   | 10.0               | mg/kg dry                     | 1              | EG62817              | 07/28/06 | .07/30/06  | EPA 8015M      |                |
| Carbon Ranges C12-C28                             | ND                   | 10.0               | м                             |                |                      | "        | *          |                |                |
| Carbon Ranges C28-C35                             | ND                   | 10.0               | "                             |                |                      |          | "          |                |                |
| Fotal Hydrocarbons                                | ND                   | 10.0               | н ,                           | n              | н .                  | "        |            | м              |                |
| Surrogate: 1-Chlorooctane                         |                      | 113 %              | 70-130                        | )              | <b>n</b> 3           | "        | "          | п              | :              |
| Surrogate: 1-Chlorooctadecane                     |                      | 110 %              | 70-130                        | )              | "                    | "        | "          | "              | . · ·          |
| C .   |                      | 1                  |                               |                |                      |          | · ·        | · .            | •              |
| BH-10 1' (6G28008-10) Soil                        |                      |                    | * <mark>1</mark>              |                |                      |          | 1          | ·              | N 1            |
| Benzene   | ND                   | 0.0250             | mg/kg dry                     | 25             | EH60114              | 08/01/06 | 08/02/06   | EPA 8021B      |                |
| Foluene   | ND                   | 0.0250             | н                             | , u            |                      |          |            | 11 <b>0</b>    |                |
| Ethylbenzene                                      | ND                   | 0.0250             | ч.                            | н              |                      | "        |            | н              |                |
| Kylene (p/m)                                      | ND                   | 0.0250             | • • • •                       | "              | "                    |          |            | н              |                |
| Kylene (o)  | ND                   | 0.0250             | н                             | . + <b>H</b>   | н                    | "        | "          |                |                |
| Surrogate: a,a,a-Trifluorotoluene                 |                      | 90.0 %             | 80-120                        | ) ·            | "                    | "        | п.         | · • •          |                |
| Surrogate: 4-Bromofluorobenzene                   |                      | 81.8 %             | 80-120                        |                | "                    | "        | "          | "              |                |
| Carbon Ranges C6-C12                              | ND                   |                    | mg/kg dry                     | 1              | EG62817              | 07/28/06 | , 07/30/06 | EPA 8015M      | , . i          |
| Carbon Ranges C12-C28                             | ND                   | 10.0               |                               | ."             | <b>n</b>             | u        | *          | "              |                |
| Carbon Ranges C28-C35                             | ND                   | 10.0               | Ħ                             |                | " '                  |          | "          | "              | ,              |
| Fotal Hydrocarbons                                | ND                   | 10.0               | *11                           | . "            | •                    | *        | н          | н ,            |                |
| Surrogate: 1-Chlorooctane                         |                      | 117 %              | 70-130                        | )              | "                    | "        | "          | "              |                |
| Surrogate: 1-Chlorooctadecane                     |                      | 114 %              | 70-130                        | ) <sup>·</sup> | "                    | "        | "          | "              |                |
| -   |                      |                    |                               |                |                      |          |            |                |                |
|   |                      |                    |                               |                |                      |          |            |                | · . 2          |
|   |                      |                    |                               |                |                      |          |            |                | . •            |

Environmental Lab of Texas 1

~

The results in this report apply to the samples analyzed in accordance with the sample received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 14

÷

### General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

| Analyte                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Note |
|---------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|------|
| BH-1 1' (6G28008-01) Soil |        |                    |       |          |         |          |          |               |      |
| Chloride                  | 126    | 5.00               | mg/kg | 10       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 11.0   | 0.1                | %     | 1        | EG63118 |          | 07/31/06 | % calculation |      |
| Sulfate                   | 43.0   | 5.00               | mg/kg | 10       | EG63104 |          | 07/31/06 | EPA 300.0     |      |
| BH-2 1' (6G28008-02) Soil |        |                    |       |          |         |          |          |               |      |
| Chloride                  | 605    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 11.5   | 0.1                | %     | 1        | EG63118 | 11       | 07/31/06 | % calculation |      |
| Sulfate                   | 111    | 10.0               | mg/kg | 20       | EG63104 |          | 07/31/06 | EPA 300.0     |      |
| BH-3 1' (6G28008-03) Soil |        |                    |       |          |         |          |          | _             |      |
| Chloride                  | 428    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 3.1    | 0.1                | %     | 1        | EG63118 | "        | 07/31/06 | % calculation |      |
| Sulfate                   | 63.6   | 10.0               | mg/kg | 20       | EG63104 | "        | 07/31/06 | EPA 300.0     |      |
| BH-4 1' (6G28008-04) Soil |        |                    |       |          |         |          |          |               |      |
| Chloride                  | 540    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 14.6   | 0.1                | %     | 1        | EG63118 | "        | 07/31/06 | % calculation |      |
| Sulfate                   | 151    | 10.0               | mg/kg | 20       | EG63104 | 11       | 07/31/06 | EPA 300.0     |      |
| BH-5 1' (6G28008-05) Soil |        |                    |       |          |         |          |          |               | -    |
| Chloride                  | 511    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 16.1   | 0.1                | %     | 1        | EG63118 | н        | 07/31/06 | % calculation |      |
| Sulfate                   | 98.5   | 10.0               | mg/kg | 20       | EG63104 | "        | 07/31/06 | EPA 300.0     |      |
| BH-6 1' (6G28008-06) Soil |        |                    |       |          |         |          |          |               |      |
| Chloride                  | 436    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 12.0   | 0.1                | %     | 1        | EG63118 | "        | 07/31/06 | % calculation |      |
| Sulfate                   | 117    | 10.0               | mg/kg | 20       | EG63104 | н        | 07/31/06 | EPA 300.0     |      |
| BH-7 1' (6G28008-07) Soil |        |                    |       |          |         |          |          |               |      |
| Chloride                  | 283    | 10.0               | mg/kg | 20       | EG63104 | 07/28/06 | 07/31/06 | EPA 300.0     |      |
| % Moisture                | 8.7    | 0.1                | %     | 1        | EG63118 | "        | 07/31/06 | % calculation |      |
| Sulfate                   | 49.3   | 10.0               | mg/kg | 20       | EG63104 | "        | 07/31/06 | EPA 300.0     |      |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231

ς,

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

;

1

|              |  |             |   | · · ·     | Environ            | mental | Lab of T | exas      | · · · · _ | <u> </u> | <u></u>  |
|--------------|--|-------------|---|-----------|--------------------|--------|----------|-----------|-----------|----------|--|
| Analyte      |  | · ,         |   | esult     | Reporting<br>Limit | Units  | Dilution | Batch     | Prepared  | Analyzed | Method   |
| BH-8 1' (6G2 | 28008-08) Soi                            | il          |   |           |                    |        |          |           |           |          | • • • • • • • • • • • • • • • • • • •  |
| Chloride     | .`                                       | 3 - sa - 41 |   | 949 👊     | 20.0               | mg/kg  | · 40     | EG63104   | 07/28/06  | 07/31/06 | EPA 300.0  |
| 6 Moisture   | i -                                      |             |   | 5.5       | 0.1                | %      | ) I      | EG63118 ' |           | 07/31/06 | % calculation  |
| Sulfate      |  | . •         |   | 131       | 20.0               | mg/kg  | 40       | EG63104   | - H       | 07/31/06 | EPA 300.0  |
| BH-9 1' (6G2 | 28008-09) Soi                            | il          |   |           |                    |        |          |           |           | de<br>L  | and a state of the second state  |
| hloride      | » · ·                                    |             | ÷ | 320       | · 25.0             | mg/kg  | 50       | EG63104   | 07/28/06  | 07/31/06 | EPA 300.0  |
| % Moisture   | an a | 1.11.14     |   | 6.8       | 0.1                | %      | · 1      | EG63118 · | 10        | 07/31/06 | % calculation  |
| ulfate       | 121 e - 2                                | , ·         |   | 172       | 25.0               | mg/kg  | 50       | EG63104   | "         | 07/31/06 | EPA 300.0  |
| 3H-10 1' (6G | <b>28008-10)</b> Se                      | oil         |   |           |                    |        |          |           |           |          | e diter suit i dit.  |
| Chloride     |  |             |   | 976       | 20.0               | mg/kg  | 40       | EG63104   | 07/28/06  | 07/31/06 | EPA 300.0  |
| 6 Moisture   | · .                                      | 2.1         | 1 | 11.2      | 0.1                | %      | 1        | EG63118   | N         | 07/31/06 | % calculation  |
| ulfate       |  |             |   | 134       | 20.0               | mg/kg  | 40       | EG63104   | . н       | 07/31/06 | EPA 300.0  |
|              |  |             |   |           |                    |        |          |           |           |          | на на страна страна и страна и<br>Страна и страна и стр |
| · ··· ·      | ана стала<br>19                          |             |   | · ••• •   | far i              |        | - ·      | <br>3 e   |           |          |  |
| · .          | 1.11                                     |             |   | . ·       |                    |        |          |           |           |          |  |
|              |  |             |   |           |                    |        | f :      | ,         |           |          |  |
|              |  |             |   |           |                    |        |          |           |           |          |  |
|              |  |             |   |           |                    |        |          |           |           |          | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -<br>1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - |
| •••          |  |             |   | ·         |                    |        |          |           |           |          | · · · · · · · · · · · · · · · · · · ·  |
|              | a., 1                                    | 1           |   |           |                    |        |          | ٠         |           |          | . • • • • •  |
|              |  | 1           |   | 1.1.1.1.1 |                    |        |          |           |           |          | ۰.   |
|              |  |             |   |           |                    |        |          |           |           | :        | a chairte a tha an   |
|              |  |             |   |           | • •                |        |          |           | · ••      | • •      |  |
|              | ε.                                       |             | , |           |                    |        |          |           |           |          | tor i seco   |
|              |  | ·           |   |           |                    |        |          |           |           |          | · · · ·  |
|              |  |             |   |           |                    |        |          |           |           |          |  |
|              |  |             |   |           |                    |        |          |           |           |          |  |
| •·           |  |             |   | њ н       |                    |        |          |           | •         | . ·      | <br>F - 4 27   |
|              |  | `ı `        |   |           |                    |        | 4        |           |           |          | • . • • • • · .  |
| 1            | · · · .<br>•                             |             |   |           |                    |        |          |           |           |          |  |

Environmental Lab of Texas
The results in this report apply to the samples analyzed in accordance with the samples
received in the laboratory. This analytical report must be reproduced in its entirety,
with written approval of Environmental Lab of Texas.
Pas

Page 7 of 14

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

### **Organics by GC - Quality Control**

### **Environmental Lab of Texas**

| Ann 1 An                                | Dec. 1 | Reporting     | F F 14    | Spike<br>Lavel | Source      | 0/ DEC       | %REC   | יזמם | RPD<br>Limit | Note  |
|---|--------|---------------|-----------|----------------|-------------|--------------|--------|------|--------------|-------|
| Analyte                                 | Result | Limit         | Units     | Level          | Result      | %REC         | Limits | RPD  | Limit        | Notes |
| Batch EG62817 - Solvent Extraction (GC) |        |               |           |                |             |              |        |      |              |       |
| Blank (EG62817-BLK1)                    |        |               |           | Prepared: 0    | 07/28/06 Ar | nalyzed: 07. | /30/06 |      |              |       |
| Carbon Ranges C6-C12                    | ND     | 10.0          | mg/kg wet |                |             |              |        |      |              | _     |
| Carbon Ranges C12-C28                   | ND     | 10.0          | "         |                |             |              |        |      |              |       |
| Carbon Ranges C28-C35                   | ND     | 10.0          | н         |                |             |              |        |      |              |       |
| Total Hydrocarbons                      | ND     | 10.0          |           |                |             |              |        |      |              |       |
| Surrogate: 1-Chlorooctane               | 64.7   |               | mg/kg     | 50.0           |             | 129          | 70-130 |      |              |       |
| Surrogate: 1-Chlorooctadecane           | 64.1   |               | "         | 50.0           |             | 128          | 70-130 |      |              |       |
| LCS (EG62817-BS1)                       |        |               |           | Prepared: 0    | 07/28/06 Ar | halyzed: 07  | /30/06 |      |              |       |
| Carbon Ranges C6-C12                    | 574    | 10.0          | mg/kg wet | 500            |             | 115          | 75-125 |      |              |       |
| Carbon Ranges C12-C28                   | 417    | 10.0          | **        | 500            |             | 83.4         | 75-125 |      |              |       |
| Carbon Ranges C28-C35                   | ND     | 10.0          | "         | 0.00           |             |              | 75-125 |      |              |       |
| Total Hydrocarbons                      | 991    | 10.0          |           | 1000           |             | 99.1         | 75-125 |      |              |       |
| Surrogate: I-Chlorooctane               | 62.8   |               | mg/kg     | 50.0           |             | 126          | 70-130 |      |              |       |
| Surrogate: 1-Chlorooctadecane           | 63.4   |               | "         | 50.0           |             | 127          | 70-130 |      |              |       |
| Calibration Check (EG62817-CCV1)        |        |               |           | Prepared: 0    | 07/28/06 Ar | nalyzed: 07  | /31/06 |      |              |       |
| Carbon Ranges C6-C12                    | 298    |               | mg/kg     | 250            |             | 119          | 80-120 |      |              |       |
| Carbon Ranges C12-C28                   | 228    |               |           | 250            |             | 91.2         | 80-120 |      |              |       |
| Total Hydrocarbons                      | 526    |               | 11        | 500            |             | 105          | 80-120 |      |              |       |
| Surrogate: I-Chlorooctane               | 83.3   |               |           | 100            |             | 83.3         | 70-130 |      | ,            |       |
| Surrogate: 1-Chlorooctadecane           | 80.8   |               | "         | 100            |             | 80.8         | 70-130 |      |              |       |
| Matrix Spike (EG62817-MS1)              | Sou    | irce: 6G28008 | 1-02      | Prepared: 0    | 07/28/06 Ar | nalyzed: 07  | /31/06 |      |              |       |
| Carbon Ranges C6-C12                    | 663    | 10.0          | mg/kg dry | 565            | ND          | 117          | 75-125 |      |              |       |
| Carbon Ranges C12-C28                   | 501    | 10.0          | 11        | 565            | ND .        | 88.7         | 75-125 |      |              |       |
| Carbon Ranges C28-C35                   | ND     | 10.0          | "         | 0.00           | ND          |              | 75-125 |      |              |       |
| Total Hydrocarbons                      | 1160   | 10.0          |           | 1130           | ND          | 103          | 75-125 |      |              |       |
| Surrogate: 1-Chlorooctane               | 62.2   |               | mg/kg     | 50.0           |             | 124          | 70-130 |      |              |       |
| Surrogate: 1-Chlorooctadecane           | 63.3   |               | "         | 50.0           |             | 127          | 70-130 |      |              |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

### Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

Fax: 505-394-2601 ; : :

a second and a second

### **Organics** by GC - Quality Control **Environmental Lab of Texas**

| Analyte                           | : 4 <sup>1</sup> |             | Result | Reporting<br>Limit | Units     | Spike<br>Level | Source<br>Result | %REC         | %REC<br>Limits | RPD                | RPD<br>Limit | Notes   |
|-----------------------------------|------------------|-------------|--------|--------------------|-----------|----------------|------------------|--------------|----------------|--------------------|--------------|---------|
| Batch EG62817 - Solvent E         | xtraction        | (GC)        |        |                    |           |                |                  |              |                | ;                  | it of        | •       |
| Matrix Spike Dup (EG62817-N       | MSD1)            |             | So     | arce: 6G28008      | 8-02      | Prepared: (    | 07/28/06 A       | nalyzed: 07  | //30/06        | , <sup>2</sup> - 2 | 1 · · ·      | ·       |
| Carbon Ranges C6-C12              |                  |             | 654    | 10.0               | mg/kg dry | 565            | ND               | 116          | 75-125         | 1.37               | 20           |         |
| Carbon Ranges C12-C28             |                  |             | 474    | 10.0               | n         | 565            | . ND             | 83.9         | 75-125         | 5.54               | 20           | · .     |
| Carbon Ranges C28-C35             |                  |             | ND     | 10.0               | ۳.,       | 0.00           | ND               |              | 75-125         |                    | 20           |         |
| Fotal Hydrocarbons                |                  |             | 1130   | 10.0               | **        | 1130           | ND               | 100          | 75-125         | 2.62               | 20 :         |         |
| Surrogate: 1-Chlorooctane         |                  | ×.,         | 61.6   |                    | mg/kg     | 50.0           |                  | 123          | 70-130         |                    |              |         |
| Surrogate: 1-Chlorooctadecane     |                  |             | 64.9   |                    | n         | 50.0           |                  | 130          | 70-130         |                    |              | . · · · |
| Batch EG63119 - EPA 5030          | C (GC)           | a si d      |        | ŧ                  |           |                |                  |              |                |                    |              | •       |
| Blank (EG63119-BLK1)              | · · · ·          | •           |        |                    | · . · · · | Prepared &     | k Analyzed:      | 07/31/06     |                |                    | 1            | a *     |
| Benzene                           |                  |             | ND     | 0.0250             | mg/kg wet |                |                  |              |                |                    |              |         |
| Toluene                           |                  |             | ND     | 0.0250             | "         |                |                  |              |                |                    |              |         |
| Ethylbenzene                      |                  |             | ND     | 0.0250             |           |                |                  |              |                |                    |              |         |
| Kylene (p/m)                      | •                |             | ND     | 0.0250             | •         |                |                  |              |                |                    |              |         |
| Kylene (o)                        | * *              |             | ND     | 0.0250             | "         |                |                  |              |                | · · · ·            | • 1          |         |
| Surrogate: a,a,a-Trifluorotoluene |                  | · · · · · · | 37.5   |                    | ug/kg     | 40.0           |                  | 93.8         | 80-120         | 1.1.1              |              |         |
| Surrogate: 4-Bromofluorobenzene   | ne klas          | ·· 1        | 33.3   |                    | , "       | 40.0           | 1                | 83.2         | 80-120         |                    |              |         |
| LCS (EG63119-BS1)                 | 1 - C - G        |             |        |                    |           | Prepared &     | k Analyzed:      | 07/31/06     |                | !                  | . •          |         |
| Benzene                           | · · · ·          |             | 1.27   | 0.0250             | mg/kg wet | 1.25           |                  | 102          | 80-120         |                    |              | • •     |
| Foluene                           |                  |             | 1.26   | 0.0250             | "         | 1.25           |                  | 101          | 80-120         |                    |              |         |
| Ethylbenzene                      |                  | •           | 1.23   | 0.0250             | "         | 1.25           |                  | 98.4         | 80-120         | •                  | 1            |         |
| Kylene (p/m)                      | ÷                |             | 2.74   | 0.0250             | •         | 2.50           |                  | 110          | 80-120         |                    | · .          |         |
| Xylene (o)                        |                  | *           | 1.37   | 0.0250             | <b>R</b>  | 1.25           |                  | 110          | 80-120         |                    |              |         |
| Surrogate: a,a,a-Trifluorotoluene | · · · ·          |             | 39.5   |                    | ug/kg     | 40.0           |                  | 98.8         | 80-120         |                    |              |         |
| Surrogate: 4-Bromofluorobenzene   | · · · .          |             | 38.1   |                    | "         | 40.0           |                  | <b>95</b> .2 | 80-120         |                    |              | ·       |
| ······                            |                  |             |        |                    |           |                |                  |              |                |                    | • • •        | ·       |
|                                   |                  |             |        |                    |           |                |                  |              |                |                    | 1 -          | • •     |
|                                   | 54 A 14          | •           |        |                    |           |                |                  |              |                |                    |              |         |

Environmental Lab of Texas 1.1.11

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 14

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

ſ

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

٦

### **Organics by GC - Quality Control**

Environmental Lab of Texas

| Analyte                           | Result | Reporting<br>Limit | Units       | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|-----------------------------------|--------|--------------------|-------------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch EG63119 - EPA 5030C (GC)    |        |                    |             |                |                  |             |                |      |              |       |
| Calibration Check (EG63119-CCV1)  |        |                    |             | Prepared: (    | 07/31/06 A       | nalyzed: 08 | 3/01/06        |      |              |       |
| Benzene                           | 51.5   |                    | ug/kg       | 50.0           |                  | 103         | 80-120         |      |              |       |
| Toluene                           | 49.9   |                    | "           | 50.0           |                  | 99.8        | 80-120         |      |              |       |
| Ethylbenzene                      | 51.7   |                    |             | 50.0           |                  | 103         | 80-120         |      |              |       |
| Xylene (p/m)                      | 103    |                    |             | 100            |                  | 103         | 80-120         |      |              |       |
| Xylene (o)                        | 50.8   |                    | t#          | 50.0           |                  | 102         | 80-120         |      |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 35.7   |                    | "           | 40.0           |                  | 89.2        | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 33.7   |                    | "           | 40.0           |                  | 84.2        | 80-120         |      |              |       |
| Matrix Spike (EG63119-MS1)        | Sour   | ce: 6G28008        | 3-01        | Prepared: (    | 07/31/06 A       | nalyzed: 08 | 3/01/06        |      |              |       |
| Benzene                           | 1.51   | 0.0250             | mg/kg dry   | 1.40           | ND               | 108         | 80-120         |      |              |       |
| Toluene                           | 1.52   | 0.0250             |             | 1.40           | ND               | 109         | 80-120         |      |              |       |
| Ethylbenzene                      | 1.47   | 0.0250             | "           | 1.40           | ND               | 105         | 80-120         |      |              |       |
| Xylene (p/m)                      | 3.25   | 0.0250             | "           | 2.81           | ND               | 116         | 80-120         |      |              |       |
| Xylene (0)                        | 1.58   | 0.0250             |             | 1.40           | ND               | 113         | 80-120         |      |              |       |
| Surrogate: a,a,a-Trifluorotoluene | 38.5   |                    | ug/kg       | 40.0           |                  | 96.2        | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 40.9   |                    | "           | 40.0           |                  | 102         | 80-120         |      |              |       |
| Matrix Spike Dup (EG63119-MSD1)   | Sour   | 8-01               | Prepared: ( |                |                  |             |                |      |              |       |
| Benzene                           | 1.43   | 0.0250             | mg/kg dry   | 1.40           | ND               | 102         | 80-120         | 5.71 | 20           |       |
| Toluene                           | 1.41   | 0.0250             | 87          | 1.40           | ND               | 101         | 80-120         | 7.62 | 20           |       |
| Ethylbenzene                      | 1.35   | 0.0250             | **          | 1.40           | ND               | 96.4        | 80-120         | 8.54 | 20           |       |
| Xylene (p/m)                      | 3.00   | 0.0250             |             | 2.81           | ND               | 107         | 80-120         | 8.07 | 20           |       |
| Xylene (o)                        | 1.49   | 0.0250             | н           | 1.40           | ND               | 106         | 80-120         | 6.39 | 20           |       |
| Surrogate: a,a,a-Trifluorotoluene | 40.4   |                    | ug/kg       | 40.0           |                  | 101         | 80-120         |      |              |       |
| Surrogate: 4-Bromofluorobenzene   | 39.2   |                    | "           | 40.0           |                  | 98.0        | 80-120         |      |              |       |
| Batch EH60114 - EPA 5030C (GC)    |        |                    |             |                |                  |             |                |      |              |       |
| Blank (EH60114-BLK1)              |        |                    |             | Prepared: (    | 08/01/06 A       | nalyzed: 08 | 3/02/06        |      |              |       |
| Benzene                           | ND     | 0.0250             | mg/kg wet   |                |                  |             |                |      |              |       |
| Toluene                           | ND     | 0.0250             | "           |                |                  |             |                |      |              |       |
| Ethylbenzene                      | ND     | 0.0250             | "           |                |                  |             |                |      |              |       |
| Xylene (p/m)                      | ND     | 0.0250             | "           |                |                  |             |                |      |              |       |
| Xylene (0)                        | ND     | 0.0250             |             |                |                  |             |                |      |              |       |

Environmental Lab of Texas

Surrogate: a,a,a-Trifluorotoluene

Surrogate: 4-Bromofluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

88.8

83.0

80-120

80-120

ug/kg

"

40.0

40.0

35.5

33.2

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 <sup>11</sup>Project Manager: Jason Stegemoller

Fax: 505-394-2601

., ÷ : 

### **Organics by GC - Quality Control Environmental Lab of Texas**

| Analyte  | V 1.     | • •                        |                                       | Result | Reporting<br>Limit | Units      | Spike<br>Level | Source<br>Result | %REC         | %REC<br>Limits | RPD                  | RPD<br>Limit | Notes      |
|--|----------|----------------------------|---------------------------------------|--------|--------------------|------------|----------------|------------------|--------------|----------------|----------------------|--------------|------------|
| Batch EH60114 - E  | PA 503   | 0C (GC)                    |                                       |        |                    |            |                |                  |              | • we           |                      |              |            |
| LCS (EH60114-BS1)  |          | · .                        |                                       |        |                    |            | Prepared:      | 08/01/06 A       | analyzed: 08 | 3/02/06        | · ·                  |              |            |
| Benzene  |          | <i>t</i> .                 |                                       | 1.20   | 0.0250             | mg/kg wet  | 1.25           |                  | 96.0         | 80-120         |                      |              | 1.1        |
| Toluene  |          |                            | :                                     | 1.27   | 0.0250             | "          | 1.25           |                  | 102          | 80-120         |                      |              | •          |
| Ethylbenzene   |          |                            | 2.0                                   | 1.13   | 0.0250             | *          | 1.25           |                  | 90.4         | 80-120         |                      |              |            |
| Xylene (p/m)   |          | :                          |                                       | 2.68   | 0.0250             |            | 2.50           |                  | 107          | 80-120         |                      |              |            |
| Xylene (o)   |          |                            |                                       | 1.33   | 0.0250             | "          | 1.25           | ••               | 106          | 80-120         |                      |              |            |
| Surrogate: a,a,a-Trifluoro   | otoluene | • •                        | · · · · · · · · · · · · · · · · · · · | 41.7   | 1                  | ug/kg      | 40.0           |                  | 104          | 80-120         | · · · ·              |              |            |
| Surrogate: 4-Bromofluoro   | obenzene |                            |                                       | 38.8   |                    | ` <i>n</i> | 40.0           |                  | 97.0         | 80-120         |                      |              |            |
| Calibration Check (E   | H60114   | -CCV1)                     | ,                                     | · .    |                    | •          | Prepared: (    | 08/01/06 A       | nalyzed: 08  | 3/02/06        |                      | ÷ .          |            |
| Benzene  |          |                            |                                       | 53.8   |                    | ug/kg      | 50.0           |                  | 108          | 80-120         |                      |              | 1          |
| Foluene  |          | ${\cal L}^{(1)}({\cal L})$ |                                       | 54.3   |                    |            | 50.0           |                  | 109          | 80-120         |                      |              | . •        |
| Ethylbenzene   |          | at sign                    |                                       | 51.0   |                    |            | 50.0           |                  | 102          | 80-120         |                      |              | ·          |
| Kylene (p/m)   |          | 1. A. A.                   | . '                                   | -110   |                    | н          | 100            |                  | 110          | 80-120         |                      |              | 2.1877     |
| Kylene (o)   |          |                            |                                       | 54.8   |                    |            | 50.0           | Ĩ                | 110          | 80-120         |                      |              |            |
| Surrogate: a,a,a-Trifluoro   | otoluene |                            |                                       | 37.1   |                    | . "        | 40.0           |                  | 92.8         | 80-120         |                      |              | <b>`</b> • |
| Surrogate: 4-Bromofluoro   | obenzene | •                          |                                       | 33.0   |                    | "          | 40.0           | * *              | 82.5         | 80-120         |                      | 11.0         | • •        |
| Matrix Spike (EH601  | 14-MS1   | )                          | ·                                     | Sou    | rce: 6G28010       | -01        | Prepared: (    | )8/01/06 A       | nalyzed: 08  | s/02/06        | 545 <sup>°</sup> - 1 | • • • •      | ·          |
| Benzene  | •        | ° 4 ',                     |                                       | 1.43   | 0.0250             | mg/kg dry  | 1.39           | ND               | 103          | 80-120         |                      |              | - ,        |
| Foluene (.   |          | 1.1                        | :                                     | 1.44   | 0.0250             | "          | 1.39           | ND               | 104          | 80-120         |                      |              |            |
| Ethylbenzene   |          |                            |                                       | 1.37   | 0.0250             | *          | 1.39           | ŃD               | 98.6         | 80-120         |                      |              |            |
| Xylene (p/m)   | · .      | · .                        |                                       | 3.09   | 0.0250             | "          | 2.78           | ND               | 111          | 80-120         |                      |              | 1.11       |
| Kylene (o)   | \$       | , · · `                    |                                       | 1.51   | 0.0250             | *          | 1.39           | ND               | 109          | 80-120         |                      |              |            |
| Surrogate: a,a,a-Trifluoro   | otoluene |                            |                                       | 38.9   |                    | ug/kg      | 40.0           |                  | 97.2         | 80-120         | • •                  | 5 ST         | s *        |
| Surrogate: 4-Bromofluoro   | obenzene | 2 e                        |                                       | 36.9   |                    | n          | 40.0           |                  | <i>92.2</i>  | 80-120         | • .                  |              |            |
| Matrix Spike Dup (El   | H60114-  | MSD1)                      |                                       | Sou    | rce: 6G28010       | -01        | Prepared: (    | )8/01/06 A       | nalyzed: 08  | /02/06         |                      |              | 14 A.      |
| Benzene  |          |                            |                                       | 1.30   | 0.0250             | mg/kg dry  | 1.39           | ND               | 93.5         | 80-120         | 9.67                 | 20           |            |
| Toluene  |          | • • • •                    | · · · ·                               | 1.37   | 0.0250             |            | 1.39           | ND               | 98.6         | 80-120         | 5.33                 | 20           |            |
|  |          |                            |                                       | 1.29   | 0.0250             |            | 1.39           | ND               | 92.8         | 80-120         | 6.06                 | 20           |            |
| Ethylbenzene   |          |                            |                                       | 2.88   | 0.0250             |            | 2.78           | ND               | 104          | 80-120         | 6.51                 | 20           |            |
| •  |          |                            |                                       |        |                    |            |                |                  |              |                |                      |              |            |
| Xylene (p/m)   |          |                            |                                       | 1.42   | 0.0250             | "          | 1.39           | ND               | 102          | 80-120         | 6.64                 | 20           |            |
| Ethylbenzene<br>Xylene (p/m)<br>Xylene (o)<br>Surrogate: a,a,a-Trifluoro | stoluene |                            |                                       | 1.42   | 0.0250             | "<br>ug/kg | 40.0           | ND               | 102<br>81.8  | 80-120         | 6.64                 | 20           |            |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 14

۰. ..

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

. . .

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

# **Environmental Lab of Texas**

|                                       | <b>D</b> 14 | Reporting     | I Jac it- | Spike       | Source            | %REC         | %REC    | RPD  | RPD<br>Limit | Noter |
|---------------------------------------|-------------|---------------|-----------|-------------|-------------------|--------------|---------|------|--------------|-------|
| Analyte                               | Result      | Limit         | Units     | Level       | Result            | %KEC         | Limits  | KPD  | Limit        | Notes |
| Batch EG63104 - General Preparation ( | WetChem)    |               |           |             |                   | <u></u>      |         |      |              |       |
| Blank (EG63104-BLK1)                  |             |               |           | Prepared: 0 | 7/28/06           | Analyzed: 07 | 7/31/06 |      |              |       |
| Chloride                              | ND          | 0.500         | mg/kg     |             |                   |              |         |      |              |       |
| Sulfate                               | ND          | 0.500         |           |             |                   |              |         |      |              |       |
| LCS (EG63104-BS1)                     |             |               |           | Prepared: 0 | 07/28/06 A        | Analyzed: 07 | '/31/06 |      |              |       |
| Sulfate                               | 10.4        | 0.500         | mg/kg     | 10.0        |                   | 104          | 80-120  |      |              |       |
| Chloride                              | 9.56        | 0.500         | "         | 10.0        |                   | 95.6         | 80-120  |      |              |       |
| Calibration Check (EG63104-CCV1)      |             |               |           | Prepared: 0 | 07/28/06 A        | Analyzed: 07 | '/31/06 |      |              |       |
| Sulfate                               | 10.1        |               | mg/L      | 10.0        |                   | 101          | 80-120  |      |              |       |
| Chloride                              | 10.1        |               | n         | 10.0        |                   | 101          | 80-120  |      |              |       |
| Duplicate (EG63104-DUP1)              | Sou         | rce: 6G21001  | -01       | Prepared: 0 | 07/28/06          | Analyzed: 07 | //31/06 |      |              |       |
| Sulfate                               | 560         | 5.00          | mg/kg     |             | 523               |              |         | 6.83 | 20           |       |
| Chloride                              | 344         | 5.00          | "         |             | 320               |              |         | 7.23 | 20           |       |
| Duplicate (EG63104-DUP2)              | Sou         | rce: 6G28008- | -09       | Prepared: 0 | )7/28/06 <i>A</i> | Analyzed: 07 | 1/31/06 |      |              |       |
| Sulfate                               | 177         | 25.0          | mg/kg     |             | 172               |              |         | 2.87 | 20           |       |
| Chloride                              | 1350        | 25.0          | 9         |             | 1320              |              |         | 2.25 | 20           |       |
| Matrix Spike (EG63104-MS1)            | Sou         | rce: 6G21001- | -01       | Prepared: 0 | )7/28/06 A        | Analyzed: 07 | '/31/06 |      |              |       |
| Chloride                              | 452         | 5.00          | mg/kg     | 100         | 320               | 132          | 80-120  |      |              | S-0   |
| Sulfate                               | 625         | 5.00          | ".        | 100         | 523               | 102          | 75-125  |      |              |       |
| Matrix Spike (EG63104-MS2)            | Sou         | rce: 6G28008- | -09       | Prepared: 0 | 07/28/06          | Analyzed: 07 | 1/31/06 |      |              |       |
| Sulfate                               | 669         | 25.0          | mg/kg     | 500         | 172               | 99.4         | 75-125  |      |              |       |
| Chloride                              | 1890        | 25.0          | "         | 500         | 1320              | 114          | 80-120  |      |              |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Environmental Plus, Incorporated | • | <br> | Project:         | Apache/ N. Mon. Grayburg SA 603 |
|----------------------------------|---|------|------------------|---------------------------------|
| P.O. Box 1558                    |   |      | Project Number:  | 240014                          |
| Eunice NM, 88231                 |   | ·    | Project Manager: | Jason Stegemoller               |

Fax: 505-394-2601 .0 1

. .

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control "Environmental Lab of Texas %REC Reporting Spike Source RPD Analyte Result Limit Level %REC RPD Units Result Limits Limit ٠, Notes **Batch EG63118 - General Preparation (Prep)** 1. 1. Blank (EG63118-BLK1) , Prepared: 07/28/06 Analyzed: 07/31/06 % Moisture ND 0.1 % Duplicate (EG63118-DUP1) Source: 6G21001-01 Prepared: 07/28/06 Analyzed: 07/31/06 % Solids 90.8 % 91.9 1.20 20 Source: 6G28008-03 Duplicate (EG63118-DUP2) Prepared: 07/28/06 Analyzed: 07/31/06 % Solids 97.4 96.9 0.515 % 20 1 10 1 Duplicate (EG63118-DUP3) Source: 6G28013-01 Prepared: 07/28/06 Analyzed: 07/31/06 % Solids 93.9 % 93.5 0.427 20 . **.** . The results in this report apply to the samples analyzed in accordance with the samples Environmental Lab of Texas . received in the laboratory. This analytical report must be reproduced in its entirety, , with written approval of Environmental Lab of Texas. Page 13 of 14 1.2.4 12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

| Environmental Plus, Incorporated |
|----------------------------------|
| P.O. Box 1558                    |
| Eunice NM, 88231                 |

Project:Apache/ N. Mon. Grayburg SA 603Project Number:240014Project Manager:Jason Stegemoller

#### **Notes and Definitions**

S-07 Recovery outside Laboratory historical or method prescribed limits.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Raland K Juits Date:

e: 8/3/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Delivered by:                    | Call-                           | alex the                     | 「観光版 |               | 1 - Def 9        |           | 100       | 906       | 5                | 44        | 63 3      | -07 2     |           | LAB I.D.                               |               | <b>EPI Sampler Name</b> | <b>Project Reference</b> | Location                 | Facility Name           | <b>Client Company</b>   | EPI Phone#/Fax#             | City, State; Zip        | <b>Mailing Address</b> | EPI Project Manager | Company Name             | (505) 394-3481 1    | 2100 Avenue O, Eunice, NM 88231 | <b>Environmental Plus</b> , | •<br>•<br>• |
|----------------------------------|---------------------------------|------------------------------|------|---------------|------------------|-----------|-----------|-----------|------------------|-----------|-----------|-----------|-----------|--|---------------|-------------------------|--------------------------|--------------------------|-------------------------|---|-----------------------------|-------------------------|------------------------|---------------------|--------------------------|---------------------|---------------------------------|-----------------------------|-------------|
|                                  | $\left[ \left[ \right] \right]$ | ATA                          |      | 10 BH-10 (1') | BH-9 (1')        | BH-8 (1') | BH-7 (1') | BH-6 (1') | <b>BH-5</b> (1') | BH-4 (1') | BH-3 (1') | BH-2 (1') | BH-1 (1') |  |               | ē                       | Ģ                        |                          | ·                       |   |                             |                         |                        | ger                 |                          | AX: (               | Eunica                          | nen                         |             |
| See                              | Series 2                        | dory "me 7:30                |      | (1)           | [ <sup>1</sup> ] | 1)        | E)        | F)        | (1               | ")        | -)        | ")        | 7         | SAMPLE I.D.                            |               | <b>Jacob Melancon</b>   | 240014                   | UL-C, Sec 20, T19S, R37E | N. Mon, Grayburg SA 603 | Apache Corporation  | 505-394-3481 / 505-394-2601 | Eunice New Mexico 88231 | P.O. BOX 1558          | Jason Stegemoller   | Environmental Plus, Inc. | FAX: (505) 394-2601 | e, NM 88231                     | tal Plus, Inc.              | •<br>•      |
| Sample Cool & Intact<br>(Yes) No | C (PRO                          | Ŭ                            |      |               | 6                | <u>م</u>  | G         | ୍କ<br>ଜ   | G<br>G           | о<br>С    | G         | D<br>G    | G         | (G)RAB OR (C)OMP.                      | _             |                         |                          | S, R                     | SA                      | ŝ   | 5-394                       | CO 88                   |                        | 9ř                  | us, Ir                   |                     | σ                               | •                           |             |
| n å lov                          | Ceived                          | Harry                        |      | ດ<br>1        |                  | <u> </u>  |           | ц<br>Ц    | <u>"</u>         | 3 1       | 3 1       | 3 1       |           | # CONTAINERS                           | -             |                         |                          | 37E                      | ŝ                       |   | 1-260                       | 3231                    |                        |                     | ៉ុ                       |                     | P.O. Box 1558. Eunice. NM 88231 |                             |             |
| No 1                             | pived By: (lab staft            | and xtra                     |      |               |                  | ┢         | F         | ┢         | $\square$        |           |           |           |           | GROUND WATER                           | ┥             |                         |                          |                          |                         |   | 3                           |                         |                        |                     |                          |                     | Sox                             |                             |             |
|                                  | L into sta                      | £                            |      |               | T                | Γ         |           |           |                  |           |           |           |           | WASTEWATER                             |               |                         |                          |                          |                         |   |                             |                         |                        |                     |                          |                     | 155                             |                             |             |
|                                  | 6ª                              | 5                            |      |               | -                |           |           | 1         |                  |           | -         | -         | 1         | SOIL                                   | 5             |                         | fi                       |                          |                         |   |                             |                         |                        |                     |                          |                     |                                 |                             |             |
| Ś                                | 2                               | U                            |      |               |                  |           |           |           |                  |           |           |           |           | CRUDE OIL                              | MATRIX        |                         |                          |                          |                         |   |                             |                         |                        |                     |                          |                     | unic                            |                             |             |
| ecked By:                        | b                               | C                            |      |               |                  |           |           |           |                  |           |           |           |           | SLUDGE                                 |               |                         |                          |                          |                         |   |                             |                         |                        |                     |                          |                     | ຕ໌<br>2                         |                             |             |
| By:                              |                                 |                              |      |               |                  | Ļ.        | [         |           |                  |           |           |           |           | OTHER:                                 |               |                         |                          | _                        |                         |   |                             |                         |                        |                     |                          |                     | 6 M                             |                             |             |
|                                  |                                 | 2 77                         |      | -             |                  |           |           |           | ļ                |           | Ц         |           |           | ACID/BASE                              |               | üni                     | P                        | Attn                     |                         |   | ,11                         | 6                       |                        |                     |                          |                     | 823                             |                             |             |
|                                  |                                 | E-mail I<br>NOTES:           |      | ×             | ×                | ×         | ×         | X         | ×                | X         | Х         | ×         | X         |  | DBESEBV       | 8                       | 0.<br>B                  | 5                        | _                       | 1   | Щ                           | 5                       |                        |                     |                          |                     | and a                           |                             |             |
| with the la                      | 2:5°C                           | reșults                      |      | 26-Jui-06     | 26-Jul-06        | 26-Jul-06 | 25-Jul-06 | 25-Jul-06 | 25-Jul-06        | 25-Jui-06 | 26-Jul-06 | 26-Jul-06 | 26-Jul-06 | a                                      | V   SAMPI ING | Eunice, NM 88231        | P.O. Box 1558            | Attn: lain Olness        |                         | Ę   |                             |                         |                        |                     |                          |                     |                                 |                             |             |
|                                  | 4                               | to: jstegemoller@envplus.net |      | 13:45         | 13:30            | 13:15     | 13:45     | 13:30     | 10:40            | 10:20     | 10:45     | 10:35     | 10:15     | TIME                                   | 2<br>D        |                         |                          |                          |                         |   |                             |                         |                        |                     |                          | C.c.                | r                               |                             |             |
|                                  | 462 gloss                       | nyplu                        |      | ×             | X                | X         | X         | X         | Х                | ×         | ×         | Х         | X         | BTEX 8021B                             |               |                         |                          |                          |                         |   | <br>                        | 3.                      |                        |                     |                          |                     |                                 |                             |             |
|                                  | 20                              | s.ne                         |      | ×             | ×                | X         | Ľ         | X         | ×                | ×         | ×         | ×         | ×         | TPH 8015M                              |               |                         |                          |                          |                         |   | _                           |                         |                        | <u>.</u>            |                          | н<br>1              | ۰.i                             |                             |             |
|                                  | ×                               | 444                          |      | Ě             | X                | ×         | ×         | X         | ×                | X         | X         | X         | X         | CHLORIDES (CI)                         |               |                         |                          |                          |                         | in the second |                             |                         |                        |                     |                          |                     |                                 | 2                           |             |
|                                  | v                               |                              |      | Ľ             | Ě                | X         | Ě         | X         | ×                | ×         | ×         | X         | Ň         | SULFATES (SO4 <sup>®</sup> )           |               |                         |                          | , <b>ʻ</b>               |                         | 1   |                             |                         | ,                      | ·                   |                          | , r. s              |                                 | ain                         |             |
|                                  |                                 |                              |      | -             |                  |           | $\vdash$  | $\vdash$  | $\vdash$         |           |           |           |           | TCLP                                   |               |                         |                          |                          | *****                   |   |                             |                         | · · · ·                |                     |                          |                     | <u>ب</u>                        | of                          |             |
|                                  |                                 |                              |      |               |                  |           | $\vdash$  | Η         |                  |           |           | . · ·     |           | OTHER >>>                              |               |                         | ,<br>                    | t d                      |                         |   |                             |                         |                        | -                   |                          |                     | 1 of <b>2' 4</b>                | hain of Custody             |             |
|                                  |                                 |                              |      |               |                  |           | Η         |           |                  |           |           |           |           | РАН                                    |               |                         |                          |                          |                         |   |                             |                         |                        |                     | e 1                      | ł                   | *                               | sto                         |             |
|                                  |                                 |                              |      |               |                  |           |           |           |                  |           |           |           |           |  |               |                         |                          |                          |                         |   |                             |                         |                        |                     |                          |                     |                                 | dr<br>A                     |             |
|                                  |                                 |                              |      |               |                  |           |           |           |                  |           |           |           |           | ······································ |               |                         |                          |                          |                         |   | ~                           |                         |                        |                     |                          |                     |                                 | Fo                          |             |
|                                  | · .                             | · • • •                      |      |               |                  | ÷         | ÷.        |           |                  |           |           |           |           | · ·                                    |               |                         |                          |                          |                         |   |                             |                         |                        |                     |                          |                     |                                 | E                           |             |

 $= \frac{1}{2} \left\{ \frac{1}{2}$ 

:

....

# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

| ent:       | EPL           |
|------------|---------------|
| ite/ Time: | 7/28/06 10:50 |
| ib ID # :  | 6918008       |
| tials:     | 'CK           |

# Sample Receipt Checklist

|    |  |     |    | Client                   | nitials |
|----|--|-----|----|--------------------------|---------|
|    | Temperature of container/ cooler?                      | Yes | No | 2.5 °C                   |         |
| >  | Shipping container in good condition?                  | res | No |                          |         |
| 3  | Custody Seals intact on shipping container/ cooler?    | Yes | No | Not Present              |         |
| 1  | Custody Seals intact on sample bottles/ container?     | Yes | No | Not Present              |         |
| 3  | Chain of Custody present?                              | Yes | No |                          |         |
| 3  | Sample instructions complete of Chain of Custody?      | Yes | No |                          |         |
| 7  | Chain of Custody signed when relinquished/ received?   | Fes | No |                          |         |
| 3  | Chain of Custody agrees with sample label(s)?          | Bs  | No | ID written on Cont./ Lid |         |
| 3  | Container label(s) legible and intact?                 | ¥es | No | Not Applicable           |         |
| 10 | Sample matrix/ properties agree with Chain of Custody? | Tes | No |                          |         |
| 11 | Containers supplied by ELOT?                           | res | No |                          |         |
| 12 | Samples in proper container/ bottle?                   | Fes | No | See Below                |         |
| 13 | Samples properly preserved?                            | Yes | No | See Below                |         |
| 14 | Sample bottles intact?                                 | Yes | No |                          |         |
| 15 | Preservations documented on Chain of Custody?          | Yes | No |                          |         |
| 16 | Containers documented on Chain of Custody?             | Fes | No |                          |         |
| 17 | Sufficient sample amount for indicated test(s)?        | Ves | No | See Below                |         |
| 18 | All samples received within sufficient hold time?      | Yes | No | See Below                |         |
| 19 | VOC samples have zero headspace?                       | Ves | No | Not Applicable           |         |

#### Variance Documentation

| Contact:                | <u></u> | Contacted by:            | Date/ Time:                             |  |
|-------------------------|---------|--------------------------|---|--|
| (egarding:              |         |                          | ·                                       |  |
|                         |         |                          |   |  |
| Corrective Action Taken | :       |                          |   |  |
|                         |         |                          |   |  |
|                         | · ·     |                          | *************************************** |  |
| Sheck all that Apply:   |         | See attached e-mail/ fax |   |  |

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event



## 12600 West I-20 East - Odessa, Texas 79765

# Analytical Report

Prepared for: Jason Stegemoller Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Location: UL-C, Sec. 20, T19S, R37E

Lab Order Number: 6H02006

Report Date: 08/08/06

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller Fax: 505-394-2601

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled     | Date Received    |
|-----------|---------------|--------|------------------|------------------|
| BH-11 6"  | 6H02006-01    | Soil   | 2006-07-31 08:30 | 2006-08-02 11:15 |
| BH-12 6"  | 6H02006-02    | Soil   | 2006-07-31 11:40 | 2006-08-02 11:15 |
| BH-13 6"  | 6H02006-03    | Soil   | 2006-07-31 13:43 | 2006-08-02 11:15 |
| BH-14 6"  | 6H02006-04    | Soil   | 2006-07-31 15:39 | 2006-08-02 11:15 |

| Environmental Plus, Incorporated<br>P.O. Box 1558<br>Eunice NM, 88231 |        |                    | Project: Apac<br>Number: 2400<br>Ianager: Jason | 14       |         | g SA 603 | ••••     | Fax: 50   | 5-394-2601 |
|---|--------|--------------------|---|----------|---------|----------|----------|-----------|------------|
|   | ··     |                    | rganics by                                      | GC       | \$      |          |          |           | · .        |
| n an                              | ··· ·  | Environ            | mental La                                       | b of To  | exas    | ÷ .      |          |           | <b></b> ., |
| Analyte   | Result | Reporting<br>Limit | Units   | Dilution | Batch   | Prepared | Analyzed | Method    | Notes      |
| BH-11 6" (6H02006-01) Soil  | ;      |                    |   | _        |         |          |          |           |            |
| Benzene   | ND     | 0.0250             | mg/kg dry                                       | 25       | EH60402 | 08/04/06 | 08/06/06 | EPA 8021B | . 1        |
| Toluene   | ND     | 0.0250             | "   | "        | •       | n        | "        | "         |            |
| Ethylbenzene  | ND     | 0.0250             |   | **       |         | "        | **       | "         |            |
| Xylene (p/m)  | ND     | 0.0250             | •   | "        | **      | "        | "        | "         |            |
| Xylene (o)  | ND     | 0.0250             | "   | "        | "       | "        | "        | u         |            |
| Surrogate: a,a,a-Trifluorotoluene                                     |        | 86.8 %             | 80-12   | 0        | "       |          | "        | "         |            |
| Surrogate: 4-Bromofluorobenzene                                       |        | 80.2 %             | 80-12   | 0        | "       | n        | "        | "         |            |
| Carbon Ranges C6-C12  | ND     | 10.0               | mg/kg dry                                       | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |            |
| Carbon Ranges C12-C28   | ND     | 10.0               | "   | "        | 11      | "        |          | "         |            |
| Carbon Ranges C28-C35   | ND     | 10.0               | *   |          | *       | "        | *        | "         |            |
| Total Hydrocarbons  | ND     | 10.0               |   | "        | н       | м        | *1       | н         |            |
| Surrogate: 1-Chlorooctane   |        | 79.8 %             | 70-13   | 0        | "       | "        | п —      | "         |            |
| Surrogate: 1-Chlorooctadecane   |        | 70.8 %             | 70-130  | 0        | "       | "        | "        | "         |            |
| BH-12 6'' (6H02006-02) Soil   |        |                    |   |          |         |          |          |           |            |
| Benzene   | ND     | 0.0250             | mg/kg dry                                       | 25       | EH60402 | 08/04/06 | 08/06/06 | EPA 8021B |            |
| Foluene   | ND     | 0.0250             | "   | "        | "       | n        | "        | "         |            |
| Ethylbenzene  | ND     | 0.0250             | "   | и        | "       | "        |          | н         |            |
| Xylene (p/m)  | ND     | 0.0250             |   | N        |         | u        |          | n         |            |
| Xylene (o)  | ND     | 0.0250             | 11  | n        |         | "        | "        | "         |            |
| Surrogate: a,a,a-Trifluorotoluene                                     |        | 89.0 %             | 80-120  | 0        | "       | "        |          | "         |            |
| Surrogate: 4-Bromofluorobenzene                                       |        | 85.0 %             | 80-120  |          | "       | "        | "        | "         |            |
| Carbon Ranges C6-C12  | ND     | 10.0               |   | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |            |
| Carbon Ranges C12-C28   | ND     | 10.0               | "   |          | "       | "        | "        | "         |            |
| Carbon Ranges C28-C35   | ND     | 10.0               | 11  |          | и       |          | н        |           |            |
| Fotal Hydrocarbons  | ND     | 10.0               | "   | ۳        | "       | 11       | **       | n         |            |
| ······································                                |        | 78.4 %             | 70-130  |          | "       | "        | "        | #         |            |
| Surrogate: 1-Chlorooctane<br>Surrogate: 1-Chlorooctadecane            |        | 78.4 %<br>71.0 %   | 70-130  |          | "       | "        | "        | "         |            |
| 2   |        | /1.0 /0            | 70-150  | ,        |         |          |          |           |            |
| BH-13 6" (6H02006-03) Soil  |        |                    |   |          |         |          | ·        | <u></u>   |            |
| Benzene   | ND     |                    | mg/kg dry                                       | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B |            |
| Toluene   | ND     | 0.0250             | "   | н        | n       | "        | ч        | 11        |            |
| Ethylbenzene  | ND     | 0.0250             | "   | Ħ        | "       | "        | "        | "         |            |
| Kylene (p/m)  | ND     | 0.0250             | ۳   | "        | *       | 11       | "        | "         |            |
| Kylene (o)  | ND     | 0.0250             | H   | u<br>    | *       | "        | "        | "         |            |
| Surrogate: a,a,a-Trifluorotoluene                                     |        | 96.0 %             | 80-120  | 0        | "       | "        | "        | n         |            |
| Surrogate: 4-Bromofluorobenzene                                       |        | 93.8 %             | 80-120  | 0        | "       | "        | "        | п         |            |
|   |        |                    |   |          |         |          |          | EPA 8015M |            |

# Organics by GC

## Environmental Lab of Texas

| Analyte                       | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| BH-13 6" (6H02006-03) Soil    |        |                    |           |          |         |          |          |           |       |
| Carbon Ranges C12-C28         | ND     | 10.0               | mg/kg dry | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |       |
| Carbon Ranges C28-C35         | ND     | 10.0               | "         |          | н       | н        | р        |           |       |
| Total Hydrocarbons            | ND     | 10.0               | "         | "        | "       | "        | v        | n         |       |
| Surrogate: 1-Chlorooctane     |        | 79.2 %             | 70-13     | 10       | "       | "        | "        | "         |       |
| Surrogate: 1-Chlorooctadecane |        | 71.4 %             | 70-13     | 10       | "       | "        | "        | "         |       |

#### BH-14 6" (6H02006-04) Soil

| ND | 0.0250                           | mg/kg dry   | 25  | EH60702   | 08/04/06  | 08/06/06  | EPA 8021B  |  |
|----|----------------------------------|---|---|---|---|---|--|--|
| ND | 0.0250                           | "   | "   | н   | "   | 19  | "  |  |
| ND | 0.0250                           |   | н   | "   | "   | "   |  |  |
| ND | 0.0250                           | n   |   | н   | "   | "   | "  |  |
| ND | 0.0250                           | u.  |   | "   |   | "   | "  |  |
|    | 90.0 %                           | 80-120  |   | "   | "   | "   | "  |  |
|    | 92.8 %                           | 80-120  |   | "   | "   | n   | "  |  |
| ND | 10.0                             | mg/kg dry   | 1   | EH60209   | 08/02/06  | 08/02/06  | EPA 8015M  |  |
| ND | 10.0                             | н   | "   | н   |   |   | "  |  |
| ND | 10.0                             | H   | и   | "   | "   |   | н  |  |
| ND | 10.0                             | w   | "   |   | 11  | "   | n  |  |
|    | 92.4 %                           | 70-130  |   | "   | "   | "   | "  |  |
|    | 112 %                            | 70-130  |   | "   | "   | "   | "  |  |
|    | ND<br>ND<br>ND<br>ND<br>ND<br>ND | ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           90.0 %         92.8 %           ND         10.0           ND         10.0           ND         10.0           ND         10.0           ND         10.0           ND         10.0           ND         10.0 | ND         0.0250         "           ND         0.0250         "           ND         0.0250         "           ND         0.0250         "           90.0 %         80-120           92.8 %         80-120           92.8 %         80-120           ND         10.0         mg/kg dry           ND         10.0         "           ND         10.0         "           ND         10.0         "           ND         10.0         "           ND         10.0         " | ND       0.0250       "       "         90.0 %       80-120       92.8 %       80-120         92.8 %       80-120       "       "         ND       10.0       mg/kg dry       1         ND       10.0       "       "         ND       10.0       "       " | ND       0.0250       "       "       "         90.0 %       80-120       "       "         92.8 %       80-120       "       "         ND       10.0       mg/kg dry       I       EH60209         ND       10.0       "       "       "         ND       10.0       "       "       " | ND       0.0250       " </td <td>ND       0.0250       "<!--</td--><td>ND       0.0250       "<!--</td--></td></td> | ND       0.0250       " </td <td>ND       0.0250       "<!--</td--></td> | ND       0.0250       " </td |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Environmental Plus, Incorporated | •           | Project:         | Apache/ N. Mon. Grayburg SA 603 | · . · · | Fax: 505-394-2601 |
|----------------------------------|-------------|------------------|---------------------------------|---------|-------------------|
| P.O. Box 1558                    |             | Project Number:  | 240014                          |         |                   |
| Eunice NM, 88231                 | · · · · · · | Project Manager: | Jason Stegemoller               |         |                   |

# General Chemistry Parameters by EPA / Standard Methods

## **Environmental Lab of Texas**

| · _ · _ · _ · _ · _ · _ · _ · _ |   |                    |       | •        |         | هن                                    |          |  |            |
|---------------------------------|---|--------------------|-------|----------|---------|---------------------------------------|----------|--|------------|
| Analyte                         | Result  | Reporting<br>Limit | Units | Dilution | Batch   | Prepared                              | Analyzed | Method   | Note       |
| BH-11 6'' (6H02006-01) Soil     |   |                    |       |          |         | · · · · · · · · · · · · · · · · · · · | 12<br>12 | and a state of the |            |
| Chloride                        | 2110  | 50.0               | mg/kg | 100      | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  |            |
| % Moisture                      | 18.6  | 0.1                | %     | 1        | ЕН60302 | 08/02/06                              | 08/03/06 | % calculation  | e.         |
| Sulfate                         | 281   | 50.0               | mg/kg | 100      | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  |            |
| BH-12 6'' (6H02006-02) Soil     |   | ,                  |       |          |         |                                       |          |  |            |
|                                 |   |                    |       |          |         |                                       | · · ·    |  | - · · · ·  |
| Chloride                        | 1000  | 25.0               | mg/kg | 50       | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  |            |
| % Moisture                      | 18.5  | 0.1                | %     | 1        | EH60302 | 08/02/06                              | 08/03/06 | % calculation  |            |
| Sulfate                         | 74.5  | 25.0               | mg/kg | 50       | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  | 1.1        |
| BH-13 6'' (6H02006-03) Soil     |   |                    |       |          | ,       |                                       |          |  | 1.<br>2013 |
| Chloride                        | 1500  | 25.0               | mg/kg | 50       | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  |            |
| % Moisture                      | 17.0  | 0.1                | %     | 1        | EH60302 | 08/02/06                              | 08/03/06 | % calculation  | 2          |
| Sulfate                         | 178   | 25.0               | mg/kg | 50       | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  | 1. e       |
|                                 |   |                    |       |          |         |                                       |          | • • •  |            |
| BH-14 6" (6H02006-04) Soil      | 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - | 4                  | ί γ   | . •      |         |                                       |          |  |            |
| Chloride                        | 1750  | 50.0               | mg/kg | 100      | EH60204 | 08/02/06                              | 08/02/06 | EPA 300.0  | · · · ·    |
| % Moisture                      | 16.5  | 0.1                | %     | ' 1      | EH60302 | 08/02/06                              | 08/03/06 | % calculation  | ۰.         |
|                                 |   |                    |       |          |         |                                       |          |  |            |

Environmental Lab of Texas

and a start of the start of the

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas. Page 4 of 11

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

٢

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller Fax: 505-394-2601

**Organics by GC - Quality Control** 

#### **Environmental Lab of Texas**

|                                |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
|--------------------------------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte                        | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch EH60209 - EPA 5030C (GC) |        |           |       |       |        |      |        |     |       |       |

| Blank (EH60209-BLK1)             |      |      |           | Prepared & Anal                       | lyzed: 08/02/06 |        |  |
|----------------------------------|------|------|-----------|---------------------------------------|-----------------|--------|--|
| Carbon Ranges C6-C12             | ND   | 10.0 | mg/kg wet | · · · · · · · · · · · · · · · · · · · |                 |        |  |
| Carbon Ranges C12-C28            | ND   | 10.0 | н         |                                       |                 |        |  |
| Carbon Ranges C28-C35            | ND   | 10.0 | "         |                                       |                 |        |  |
| Total Hydrocarbons               | ND   | 10.0 |           |                                       |                 |        |  |
| Surrogate: 1-Chlorooctane        | 64.0 |      | mg/kg     | 50.0                                  | 128             | 70-130 |  |
| Surrogate: 1-Chlorooctadecane    | 61.1 |      | "         | 50.0                                  | 122             | 70-130 |  |
| LCS (EH60209-BS1)                |      |      |           | Prepared & Ana                        | lyzed: 08/02/06 |        |  |
| Carbon Ranges C6-C12             | 441  | 10.0 | mg/kg wet | 500                                   | 88.2            | 75-125 |  |
| Carbon Ranges C12-C28            | 451  | 10.0 | "         | 500                                   | 90.2            | 75-125 |  |
| Carbon Ranges C28-C35            | ND   | 10.0 | "         | 0.00                                  |                 | 75-125 |  |
| Total Hydrocarbons               | 892  | 10.0 | 11        | 1000                                  | 89.2            | 75-125 |  |
| Surrogate: 1-Chlorooctane        | 49.0 |      | mg/kg     | 50.0                                  | 98.0            | 70-130 |  |
| Surrogate: 1-Chlorooctadecane    | 37.1 |      | "         | 50.0                                  | 74.2            | 70-130 |  |
| Calibration Check (EH60209-CCV1) |      |      |           | Prepared: 08/02/                      | 06 Analyzed: 08 | /03/06 |  |
| Carbon Ranges C6-C12             | 210  |      | mg/kg     | 250                                   | 84.0            | 80-120 |  |
| Carbon Ranges C12-C28            | 271  |      | 11        | 250                                   | 108             | 80-120 |  |
| Total Hydrocarbons               | 481  |      | "         | 500                                   | 96.2            | 80-120 |  |

| Matrix Spike (EH60209-MS1)    | Source | e: 6H02009 | 5-01      | Prepared & | Analyzed: | : 08/02/06 |        |
|-------------------------------|--------|------------|-----------|------------|-----------|------------|--------|
| Carbon Ranges C6-C12          | 466    | 10.0       | mg/kg dry | 520        | ND        | 89.6       | 75-125 |
| Carbon Ranges C12-C28         | 479    | 10.0       | "         | 520        | ND        | 92.1       | 75-125 |
| Carbon Ranges C28-C35         | ND     | 10.0       | н         | 0.00       | ND        |            | 75-125 |
| Total Hydrocarbons            | 945    | 10.0       | "         | 1040       | ND        | 90.9       | 75-125 |
| Surrogate: 1-Chlorooctane     | 49.7   |            | mg/kg     | 50.0       |           | 99.4       | 70-130 |
| Surrogate: 1-Chlorooctadecane | 38.3   |            | "         | 50.0       |           | 76.6       | 70-130 |

,,

100

100

87.7

75.9

Environmental Lab of Texas

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

70-130

70-130

87.7

75.9

Page 5 of 11

|  |              | rganics by         | y GC - O   | uality Co      | ontrol           |              |                  |       |                 |      |
|--|--------------|--------------------|------------|----------------|------------------|--------------|------------------|-------|-----------------|------|
|  |              | Environ            |            | •              |                  |              |                  |       |                 |      |
| Analyte  | Result       | Reporting<br>Limit | Units      | Spike<br>Level | Source<br>Result | %REC         | %REC<br>Limits   | RPD   | RPD<br>Limit No | otes |
| Batch EH60209 - EPA 5030C (GC)                                       |              |                    |            |                |                  |              |                  |       |                 | _    |
| Matrix Spike Dup (EH60209-MSD1)                                      | Sou          | rce: 6H0200        | 5-01       | Prepared &     | 2 Analyzed       | : 08/02/06   |                  |       | · · ·           | •    |
| Carbon Ranges C6-C12   | 470          | 10.0               | mg/kg dry  | 520            | ND               | 90.4         | 75-125           | 0.855 | 20              |      |
| Carbon Ranges C12-C28  | 484          | 10.0               | "          | 520            | ND               | 93.1         | 75-125           | 1.04  | 20              |      |
| Carbon Ranges C28-C35  | ND           | 10.0               | 11         | 0.00           | ND               |              | 75-125           |       | 20              |      |
| Total Hydrocarbons   | 954          | 10.0               | "          | 1040           | ND               | 91.7         | 75-125           | 0.948 | - 20            |      |
| Surrogate: 1-Chlorooctane  | 50.5         |                    | ∖ mg/kg    | 50.0           |                  | 101          | 70-130           |       |                 |      |
| Surrogate: 1-Chlorooctadecane  | 37.2         |                    | "          | 50.0           | · ·              | 74.4         | 70-130           |       |                 |      |
| Batch EH60402 - EPA 5030C (GC)                                       | <u>,</u>     |                    |            |                |                  |              |                  |       |                 |      |
| Blank (EH60402-BLK1)   |              | . u                | ÷ *        | Prepared &     | Analyzed         | : 08/04/06   |                  |       |                 |      |
| Benzene  | ND           | 0.0250             | mg/kg wet  |                |                  |              |                  |       | ,*              | ,    |
| Toluene  | ND           | 0.0250             |            |                |                  |              |                  |       |                 |      |
| Ethylbenzene   | ND           | 0.0250             |            |                |                  |              |                  |       |                 |      |
| Xylene (p/m)   | ND           | 0.0250             | "          |                |                  |              |                  |       |                 |      |
| Xylene (o)   | ND           | 0.0250             |            |                |                  |              |                  |       |                 |      |
| Surrogate: a,a,a-Trifluorotoluene                                    | 34.6         |                    | ug/kg<br>" | 40.0           |                  | 86.5         | 80-120           |       |                 |      |
| Surrogate: 4-Bromofluorobenzene                                      | 36.8         |                    | "          | 40.0           |                  | 92.0         | 80-120           |       | с               |      |
| LCS (EH60402-BS1)  |              |                    |            | Prepared &     | Analyzed:        | 08/04/06     |                  |       |                 |      |
| Benzene  | 1.14         | 0.0250             | mg/kg wet  | 1.25           |                  | 91.2         | 80-120           |       |                 |      |
| Toluene  | 1.17         | 0.0250             |            | 1.25           |                  | 93.6         | 80-120           |       |                 |      |
| Ethylbenzene   | 1.15         | 0.0250             | "          | 1.25           |                  | 92.0         | 80-120           |       |                 |      |
| Xylene (p/m)   | 2.57         | 0.0250             | · · ·      | 2.50           |                  | 103          | 80-120           | · •   |                 |      |
| Xylene (o)   | 1.28         | 0.0250             |            | 1.25           |                  | 102          | 80-120           |       |                 |      |
| Surrogate: a,a,a-Trifluorotoluene<br>Surrogate: 4-Bromofluorobenzene | 37.3<br>39.0 |                    | ug/kg<br>" | 40.0<br>40.0   |                  | 93.2<br>97.5 | 80-120<br>80-120 |       |                 |      |
| surrogaie. +-bromojiuorobenzene                                      | 39.0         |                    |            | 40.0           |                  | ¥1.5         | 00-120           |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |
|  |              |                    |            |                |                  |              |                  |       |                 |      |

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas

Page 6 of 11

Project: Apache/ N. Mon. Grayburg SA 603 Environmental Plus, Incorporated Project Number: 240014 P.O. Box 1558 Eunice NM, 88231 Project Manager: Jason Stegemoller

Fax: 505-394-2601

**Organics by GC - Quality Control** 

#### **Environmental Lab of Texas**

|                                   |        | Reporting                             |           | Spike       | Source     |              | %REC    |       | RPD   |          |
|-----------------------------------|--------|---------------------------------------|-----------|-------------|------------|--------------|---------|-------|-------|----------|
| Analyte                           | Result | Limit                                 | Units     | Level       | Result     | %REC         | Limits  | RPD   | Limit | Notes    |
| Batch EH60402 - EPA 5030C (GC)    |        |                                       |           |             |            |              |         |       |       |          |
| Calibration Check (EH60402-CCV1)  |        |                                       |           | Prepared: ( | 08/04/06 A | nalyzed: 08  | 3/06/06 |       |       |          |
| Benzene                           | 50.6   |                                       | ug/kg     | 50.0        |            | 101          | 80-120  |       |       |          |
| Toluene                           | 49.6   |                                       |           | 50.0        |            | 99.2         | 80-120  |       |       |          |
| Ethylbenzene                      | 48.4   |                                       | "         | 50.0        |            | 96.8         | 80-120  |       |       |          |
| Xylene (p/m)                      | 103    |                                       | н         | 100         |            | 103          | 80-120  |       |       |          |
| Xylene (0)                        | 51.5   |                                       | "         | 50.0        |            | 103          | 80-120  |       |       |          |
| Surrogate: a,a,a-Trìfluorotoluene | 37.6   |                                       | **        | 40.0        |            | 94.0         | 80-120  |       |       |          |
| Surrogate: 4-Bromofluorobenzene   | 39.2   |                                       | "         | 40.0        |            | 98.0         | 80-120  |       |       |          |
| Matrix Spike (EH60402-MS1)        | Sour   | rce: 6G3101                           | 1-06      | Prepared: ( | 08/04/06 A | nalyzed: 08  | 8/07/06 |       |       |          |
| Benzene                           | 1.20   | 0.0250                                | mg/kg dry | 1.28        | ND         | 93.8         | 80-120  |       |       | 1 / 10 M |
| Toluene                           | 1.21   | 0.0250                                | "         | 1.28        | ND         | 94.5         | 80-120  |       |       |          |
| Ethylbenzene                      | 1.24   | 0.0250                                | н         | 1.28        | ND         | 96.9         | 80-120  |       |       |          |
| Xylene (p/m)                      | 2.67   | 0.0250                                | "         | 2.56        | ND         | 104          | 80-120  |       |       |          |
| Xylene (0)                        | 1.30   | 0.0250                                | *         | 1.28        | ND         | 102          | 80-120  |       |       |          |
| Surrogate: a,a,a-Trifluorotoluene | 35.2   |                                       | ug/kg     | 40.0        |            | 88.0         | 80-120  |       |       |          |
| Surrogate: 4-Bromofluorobenzene   | 36.3   |                                       | "         | 40.0        |            | 90.8         | 80-120  |       |       |          |
| Matrix Spike Dup (EH60402-MSD1)   | Sour   | rce: 6G3101                           | 1-06      | Prepared: ( | 08/04/06 A | nalyzed: 08  | 8/07/06 |       |       |          |
| Benzene                           | 1.23   | 0.0250                                | mg/kg dry | 1.28        | ND         | 96.1         | 80-120  | 2.42  | 20    |          |
| Toluene                           | 1.25   | 0.0250                                | "         | 1.28        | ND         | <b>9</b> 7.7 | 80-120  | 3.33  | 20    |          |
| Ethylbenzene                      | 1.25   | 0.0250                                | ۲         | 1.28        | ND         | 97.7         | 80-120  | 0.822 | 20    |          |
| Xylene (p/m)                      | 2.90   | 0.0250                                | н         | 2.56        | ND         | 113          | 80-120  | 8.29  | 20    |          |
| Xylene (o)                        | 1.38   | 0.0250                                |           | 1.28        | ND         | 108          | 80-120  | 5.71  | 20    |          |
| Surrogate: a,a,a-Trifluorotoluene | 40.7   |                                       | ug/kg     | 40.0        |            | 102          | 80-120  |       |       |          |
| Surrogate: 4-Bromo/luorobenzene   | 39.2   |                                       | n         | 40.0        |            | 98.0         | 80-120  |       |       |          |
| Batch EH60702 - EPA 5030C (GC)    |        |                                       |           |             |            |              |         |       |       |          |
| Blank (EH60702-BLK1)              |        | · · · · · · · · · · · · · · · · · · · |           | Prepared:   | 08/04/06 A | nalyzed: 0   | 8/06/06 |       |       |          |
| Benzene                           | ND     | 0.0250                                | mg/kg wet |             |            |              |         |       |       |          |
| Toluene                           | ND     | 0.0250                                | 11        |             |            |              |         |       |       |          |
| Ethylbenzene                      | ND     | 0.0250                                | ч         |             |            |              |         |       |       |          |
| Xylene (p/m)                      | ND     | 0.0250                                | "         |             |            |              |         |       |       |          |
| Xylene (o)                        | ND     | 0.0250                                | "         |             |            |              |         |       |       |          |
| Surrogate: a,a,a-Trijluorotoluene | 37.0   |                                       | ug/kg     | 40.0        |            | 92.5         | 80-120  |       |       |          |
|                                   |        |                                       |           |             |            |              |         |       |       |          |

Environmental Lab of Texas

Surrogate: 4-Bromofluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

84.8

80-120

Page 7 of 11

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

"

40.0

33.9

| Environmental Plus, Incorporated | <br>4 1 | Project:         | Apache/ N. Mon. Grayburg SA 603 | - | Fax: 505-394-2601 |
|----------------------------------|---------|------------------|---------------------------------|---|-------------------|
| P.O. Box 1558                    |         | Project Number:  | 240014                          |   | the second        |
| Eunice NM, 88231                 |         | Project Manager: | Jason Stegemoller               |   |                   |

Organics by GC - Quality Control

**Environmental Lab of Texas** 

| Toluene 1.24 0.0250 " 1.36 ND 91.2 80-120 2.38 20   | LCS (EH60702-BS1)         Prepared: 08/04/06         Analyzed: 08/06/06           Benzene         1.19         0.0250         mg/kg wei         1.25         95.2         80-120           Eduybenzene         1.08         0.0250         "         1.25         96.8         80-120           Xylene (p/m)         2.66         0.0250         "         1.25         86.4         80-120           Xylene (p/m)         2.66         0.0250         "         1.25         106         80-120           Xylene (p/m)         2.66         0.0250         "         1.25         105         80-120           Surrogate: <i>a.a.e-Triflucoroluene</i> 39.7         ug/kg         40.0         102         80-120           Surrogate: <i>a.a.e-Triflucoroluene</i> 40.7         "         40.0         102         80-120           Surrogate: <i>a.a.e-Triflucoroluene</i> 40.7         "         50.0         101         80-120           Surrogate: <i>a.a.e-Triflucoroluene</i> 50.4         ug/kg         50.0         98.8         80-120           Staros (inform)         99.8         "         100         98.8         80-120           Surrogate: <i>a.a.e-Triflucoroluene</i> 37.3         "         40.0   | LCS (EH60702-BS1)         Prepared:         08/06/06           Brazene         1.19         0.0250         mg/k wet         1.25         95.2         80-120           Toluene         1.21         0.0250         "         1.25         96.8         80-120           Killene         1.08         0.0250         "         2.50         106         80-120           Xylene (p'm)         2.66         0.0250         "         2.50         106         80-120           Surrogatic 4. Bromofiluorobourne         39.7         ug/kg         40.0         102         80-120           Surrogatic 4. Bromofiluorobourne         40.7         "         40.0         102         80-120           Calibration Check (EH60702-CCV1)         Prepared: 08/04/06         Analyzet: 08/07/06         -           Benzene         50.4         ug/kg         50.0         98.8         80-120           Surrogatic: 4.9         "         50.0         98.8         80-120 <th>LCS (EH60702-BS1)         Prepared:         08/06/06           Benzene         1.19         0.0250         mg/k wet         1.25         95.2         80-120           Toluene         1.21         0.0250         1.25         86.4         80-120           Steinplenzene         1.08         0.0250         1.25         86.4         80-120           Xylene (p/m)         2.66         0.0250         2.50         1.06         80-120           Surrogate:         3.04         0.0250         1.25         86.4         80-120           Surrogate:         3.04         0.0250         1.25         80-120         80-120           Surrogate:         4.00         1.02         80-120         80-120         80-120           Surrogate:         4.07         4.00         1.02         80-120         80-120           Calibration Check (EH60702-CCV1)         Prepared: 08/04/06         Analyzet: 08/07/06         88.8         80-120           Surrogate:         50.4         ug/kg         50.0         97.6         80-120           Surrogate:         60         98.8         80-120         80-120           Surrogate:         60         98.2         80-120         80-120</th> <th>LCS (B169702-BS1)         Prepared:         08/04/06         Analyzed:         08/06/06           Breazere         1.19         0.0250         mg/kg wet         1.25         99.2         80.120           EfblyBreazers         1.08         0.0250         "         1.25         86.4         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         1.06         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         1.06         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         80.4         80.120           Sylence (p/m)         2.66         0.0250         "         1.05         80.120           Sylence (p/m)         9.7         wg/kg         50.0         98.2         80.120           Sylence (p/m)         9.8         *         100         99.8         80.120           Sylence (p/m)         9.8         *         100         99.2         80.120           Sylence (p/m)         9.8         *         100         99.4         80.120           Sylence (p/m)         9.8         *         100         99.2         80.120</th> <th>Analyte</th> <th>:<br/>I</th> <th>Result</th> <th>Reporting<br/>Limit</th> <th>Units</th> <th>Spike<br/>Level</th> <th>Source<br/>Result</th> <th>%REC</th> <th>%REC<br/>Limits</th> <th>RPD</th> <th>RPD<br/>Limit</th> <th>Notes</th> | LCS (EH60702-BS1)         Prepared:         08/06/06           Benzene         1.19         0.0250         mg/k wet         1.25         95.2         80-120           Toluene         1.21         0.0250         1.25         86.4         80-120           Steinplenzene         1.08         0.0250         1.25         86.4         80-120           Xylene (p/m)         2.66         0.0250         2.50         1.06         80-120           Surrogate:         3.04         0.0250         1.25         86.4         80-120           Surrogate:         3.04         0.0250         1.25         80-120         80-120           Surrogate:         4.00         1.02         80-120         80-120         80-120           Surrogate:         4.07         4.00         1.02         80-120         80-120           Calibration Check (EH60702-CCV1)         Prepared: 08/04/06         Analyzet: 08/07/06         88.8         80-120           Surrogate:         50.4         ug/kg         50.0         97.6         80-120           Surrogate:         60         98.8         80-120         80-120           Surrogate:         60         98.2         80-120         80-120   | LCS (B169702-BS1)         Prepared:         08/04/06         Analyzed:         08/06/06           Breazere         1.19         0.0250         mg/kg wet         1.25         99.2         80.120           EfblyBreazers         1.08         0.0250         "         1.25         86.4         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         1.06         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         1.06         80.120           Sylence (p/m)         2.66         0.0250         "         1.25         80.4         80.120           Sylence (p/m)         2.66         0.0250         "         1.05         80.120           Sylence (p/m)         9.7         wg/kg         50.0         98.2         80.120           Sylence (p/m)         9.8         *         100         99.8         80.120           Sylence (p/m)         9.8         *         100         99.2         80.120           Sylence (p/m)         9.8         *         100         99.4         80.120           Sylence (p/m)         9.8         *         100         99.2         80.120   | Analyte                           | :<br>I                                   | Result                                | Reporting<br>Limit | Units     | Spike<br>Level   | Source<br>Result | %REC          | %REC<br>Limits | RPD          | RPD<br>Limit    | Notes   |
|---|---|---|--|--|-----------------------------------|--|---------------------------------------|--------------------|-----------|------------------|------------------|---------------|----------------|--------------|-----------------|---------|
| Benzene       1.19       0.0250       mg/kg wt 1.25       95.2       80-120         Foluene       1.21       0.0250       "       1.25       96.8       80-120         Ethylenzene       1.08       0.0250       "       1.25       96.4       80-120         Kylene (p/m)       2.66       0.0250       "       2.50       106       80-120         Surrogate:       4.00       99.2       80-120       80-120   | Benzene       1.19       0.020       mg/kg wei       1.25       59.2       80-120         Foluene       1.21       0.0250       "       1.25       59.2       80-120         Ethylbenzene       1.08       0.0250       "       1.25       56.4       80-120         Skylene (p/m)       2.66       0.6250       "       2.50       106       80-120         Skylene (p/m)       2.66       0.6250       "       2.50       106       80-120         Skylene (p/m)       2.66       0.6200       "       2.50       106       80-120         Skylene (p/m)       2.67       wg/kg       40.0       102       80-120         Skylene (p/m)       50.4       wg/kg       50.0       101       80-120         Calibration Check (EH60702-CCV)       "       40.0       102       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Skyrene (p/m)       99.8       "       100       99.2       80-120         Skyrene (p/m)       99.4       8.2       80-120       -       -   | Beazene         1.19         0.020         mg/kg wet         1.23         9.52         80-120           Toluene         1.21         0.0250         "         1.25         96.8         80-120           Kylene (n'm)         2.66         0.0250         "         1.25         96.8         80-120           Skringelier         1.66         0.0250         "         1.25         105         80-120           Skringelier         2.66         0.0250         "         1.25         105         80-120           Skringelier         3.9.7         reg/kg         40.0         99.2         80-120           Skringelier         40.7         "         40.0         102         80-120           Calibration Check (EH60702-CCV1)         Prepared: 08/04/06         Analyzed: 08/07/06         No         98.2         80-120           Setzene         50.4         ug/kg         50.0         98.8         80-120         V           Setzene         59.8         "         100         99.8         80-120         V           Setzene         49.1         "         40.0         63.2         80-120         V           Setzene         50.0         97.4         80-120   | Beazene         1.19         0.020         mg/kg wet         1.23         9.52         80-120           Toluene         1.21         0.0250         "         1.25         96.8         80-120           Kylene (n'm)         2.66         0.0250         "         1.25         96.8         80-120           Skringelier         1.66         0.0250         "         1.25         105         80-120           Skringelier         2.66         0.0250         "         1.25         105         80-120           Skringelier         3.9.7         reg/kg         40.0         99.2         80-120           Skringelier         40.7         "         40.0         102         80-120           Calibration Check (EH60702-CCV1)         Prepared: 08/04/06         Analyzed: 08/07/06         No         98.2         80-120           Setzene         50.4         ug/kg         50.0         98.8         80-120         V           Setzene         59.8         "         100         99.8         80-120         V           Setzene         49.1         "         40.0         63.2         80-120         V           Setzene         50.0         97.4         80-120  | Benarise         1.19         0.0250         mg/kg weil         1.25         95.2         80-120           Tollenie         1.21         0.0250         "         1.25         56.6         80-120           Skiplencane         1.26         0.0250         "         2.50         106         80-120           Skiplencane         1.26         0.0250         "         2.50         105         80-120           Skipencane         1.31         0.0250         "         1.25         105         80-120           Skipencane         40.7         "         40.0         102         80-120           Skipencane         40.7         "         40.0         102         80-170           Calibration Check (EH60702-CCV))         "         sp2.4         80-120         *           Skipencane         40.4         "         50.0         98.8         80-120           Skipencane         40.4         "         50.0         98.8         80-120           Skipencane         40.4         "         50.0         97.6         80-120           Skipencane         1.27         0.0250         mg/kg who 1.36         ND         99.4         80-120  | Batch EH60702 - EPA 5030          | C (GC)                                   |                                       |                    |           |                  |                  |               |                |              | • •             |         |
| Benzene       1.19       0.0250       mg/kg wet       1.25       95.2       80-120         Toluene       1.21       0.0250       "       1.25       86.4       80-120         Ethylbenzene       1.08       0.0250       "       2.50       106       80-120         Xylene (p'm)       2.66       0.0250       "       1.25       86.4       80-120         Surrogate:       a.a. Trifhuorotoluene       39.7       ug/kg       40.0       99.2       80.720         Surrogate:       4.07       "       40.0       102       80-120   | Benzene       1.19       0.0250       mg/kg wet       1.25       95.2       80-120         Toluene       1.21       0.0250       "       1.25       66.8       80-120         Ethylbenzene       1.08       0.0250       "       2.50       106       80-120         Skylene (p'm)       2.66       0.0250       "       2.50       106       80-120         Skylene (o)       1.31       0.0250       "       1.25       105       80-120         Skylene (p'm)       2.66       0.0250       "       2.50       106       80-120         Skylene (p'm)       2.66       0.0250       "       2.50       80-120       ************************************   | Benzene         1.19         0.0250         mg/kg wet         1.25         95.2         80-120           Toluene         1.21         0.0250         "         1.25         96.8         80-120           Xylene (p'm)         2.66         0.0250         "         2.50         106         80-120           Xylene (p'm)         2.66         0.0250         "         2.50         106         80-120           Surrogate: 4.2n-Tr/fluorolulane         39.7         ug/kg         40.0         99.2         80-120           Surrogate: 4.2n-Tr/fluorolulane         40.7         "         40.0         102         80-120           Calibration Check (EH60702-CCV)         Prepared: 08/04/06         Analyzed: 08/07/06         80-120           Benzene         50.4         ug/kg         50.0         98.8         80-120           Yolene (p'm)         99.8         "         100         99.8         80-120           Surrogate: 4.2n monfluorobenzene         37.3         "         40.0         85.5         80-120           Surrogate: 4.2n monfluorobenzene         37.3         "         40.0         85.5         80-120           Surrogate: 4.2n monfluorobenzene         37.4         "         40.0  | Benzene         1.19         0.0250         mg/kg wet         1.25         95.2         80-120           Toluene         1.21         0.0250         "         1.25         96.8         80-120           Xylene (p'm)         2.66         0.0250         "         2.50         106         80-120           Xylene (p'm)         2.66         0.0250         "         2.50         106         80-120           Surrogate: 4.2n-Tr/fluorolulane         39.7         ug/kg         40.0         99.2         80-120           Surrogate: 4.2n-Tr/fluorolulane         40.7         "         40.0         102         80-120           Calibration Check (EH60702-CCV)         Prepared: 08/04/06         Analyzed: 08/07/06         80-120           Benzene         50.4         ug/kg         50.0         98.8         80-120           Yolene (p'm)         99.8         "         100         99.8         80-120           Surrogate: 4.2n monfluorobenzene         37.3         "         40.0         85.5         80-120           Surrogate: 4.2n monfluorobenzene         37.3         "         40.0         85.5         80-120           Surrogate: 4.2n monfluorobenzene         37.4         "         40.0   | Bease         1.9         00250         mg/kg vet         1.25         99.2         80-120           Edbylbaczene         1.21         00250         *         1.25         96.8         80-120           Kylene (v)         1.21         0.0250         *         2.30         106         80-120           Swroget: a cas Prifueronbare         1.97         ge/kg         40.0         99.2         8k.170           Swroget: a cas Prifueronbare         1.97         ge/kg         40.0         101         80-120           Swroget: a cas Prifueronbare         1.07         *         40.0         102         80-120           Beazer:         50.4         ug/kg         50.0         89.22         8k.170           Swroget: A an Prifueronbare         49.4         *         50.0         99.8         80-120           Swroget: A an Prifueronbare         49.4         *         50.0         99.7         80-120           Swroget: A an Prifueronbare         1.27         0.00         99.8         80-120         -           Swroget: A Bornofharobecare         37.3         *         40.0         83.2         80-120           Swroget: A Bornofharobecare         1.27         0.0250         *   | LCS (EH60702-BS1)                 |  | • .•                                  | 1 · · ·            |           | Prepared:        | 08/04/06 A       | Analyzed: 08  | 3/06/06        | F            |                 | 1. ja 🔹 |
| Ethylbenzene       1.08       0.0250       "       1.25       86.4       80-120         Xylexe (p'm)       2.66       0.0250       "       2.50       106       80-120         Xylexe (o)       1.31       0.0250       "       1.25       105       80-120         Surrogate: a.aTrifluorotoluene       39.7       ug/kg       40.0       99.2       80-120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/05       Analyzed: 08/07/05       80-120         Edaylbenzene       50.4       ug/kg       50.0       98.2       80-120         Ethylbenzene       99.4       "       50.0       98.8       80-120         Surrogate: a.aTrifluorotoluene       99.4       "       50.0       98.8       80-120         Surrogate: a.aTrifluorotoluene       37.3       "       40.0       99.4       80-120         Surrogate: a.aTrifluorotoluene       34.2       "       100       99.4       80-120         Surrogate: a.aTrifluorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.aTrifluoro  | Ethylbenzene       1.08       0.0250       "       1.25       86.4       80-120         Xylene (p/m)       2.66       0.0250       "       2.50       106       80-120         Surrogate: a.a.a-Trifhuorotoluene       39.7       ug/g       40.0       92.2       80-120         Surrogate: 4-Brondfluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Frepared: 08/04/06       Analyzet: 08/07/06       Notalyzet: 08/07/06         Benzene       50.4       ug/g       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Sylene (p/m)       99.8       80-120       80-120       100         Sylene (p/m)       99.8       80-120       100       99.8       80-120         Surrogate: a.a.a-Trifhuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifhuorotoluene       12.7       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifhuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifhuorotolue  | Ethylhenzene       1.08       0.020       "       1.25       8.64       80-120         Xylene (o)       1.31       0.025       "       1.25       105       80-120         Surrogate: 4.a.a.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Surrogate: A.a.A.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Calibration Check (EtH60702-CCV1)       Prepared: 08/04/06       AmJzet       0.80.120       "       101       80-120         Benzene       50.4       ug/kg       50.0       98.2       80-120       "       "         Kylene (p/m)       99.8       "       100       99.8       80-120       "       "         Strongate: a.a.a.7tr/fluoronolume       49.1       "       50.0       97.6       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.2       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.4       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       127       0.0250       "       1.36       ND       93.4       80-120       " <td< td=""><td>Ethylhenzene       1.08       0.020       "       1.25       8.64       80-120         Xylene (o)       1.31       0.025       "       1.25       105       80-120         Surrogate: 4.a.a.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Surrogate: A.a.A.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Calibration Check (EtH60702-CCV1)       Prepared: 08/04/06       AmJzet       0.80.120       "       101       80-120         Benzene       50.4       ug/kg       50.0       98.2       80-120       "       "         Kylene (p/m)       99.8       "       100       99.8       80-120       "       "         Strongate: a.a.a.7tr/fluoronolume       49.1       "       50.0       97.6       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.2       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.4       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       127       0.0250       "       1.36       ND       93.4       80-120       "         <td< td=""><td>Ethylkensene       108       0.0250       125       86.4       89.20         Xylene (o)       131       0.0250       125       106       80.120         Swraget: 4.26-77[floorenhume       97       108       40.0       92.2       80.727         Swraget: 4.26-77[floorenhume       97       108       80.1       101       80-120         Swraget: 4.26-77[floorenhume       91       90.0       101       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.2       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       91.4       92.0       97.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       85.5       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.22       80-120       100       80-120       100         Swraget: 6.26-77[floorenhume       7.3       90.250       136       ND       90.4       80-120       100       80.120       100       80.120</td></td<><td></td><td></td><td>1.19</td><td>0.0250</td><td>mg/kg wet</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></td></td<>   | Ethylhenzene       1.08       0.020       "       1.25       8.64       80-120         Xylene (o)       1.31       0.025       "       1.25       105       80-120         Surrogate: 4.a.a.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Surrogate: A.a.A.7t/fluoronolumobenzene       40.7       "       40.0       92.2       80.120         Calibration Check (EtH60702-CCV1)       Prepared: 08/04/06       AmJzet       0.80.120       "       101       80-120         Benzene       50.4       ug/kg       50.0       98.2       80-120       "       "         Kylene (p/m)       99.8       "       100       99.8       80-120       "       "         Strongate: a.a.a.7tr/fluoronolume       49.1       "       50.0       97.6       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.2       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       37.3       "       40.0       93.4       80-120       "         Surrogate: a.a.a.7tr/fluoronolume       127       0.0250       "       1.36       ND       93.4       80-120       " <td< td=""><td>Ethylkensene       108       0.0250       125       86.4       89.20         Xylene (o)       131       0.0250       125       106       80.120         Swraget: 4.26-77[floorenhume       97       108       40.0       92.2       80.727         Swraget: 4.26-77[floorenhume       97       108       80.1       101       80-120         Swraget: 4.26-77[floorenhume       91       90.0       101       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.2       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       91.4       92.0       97.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       85.5       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.22       80-120       100       80-120       100         Swraget: 6.26-77[floorenhume       7.3       90.250       136       ND       90.4       80-120       100       80.120       100       80.120</td></td<> <td></td> <td></td> <td>1.19</td> <td>0.0250</td> <td>mg/kg wet</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>  | Ethylkensene       108       0.0250       125       86.4       89.20         Xylene (o)       131       0.0250       125       106       80.120         Swraget: 4.26-77[floorenhume       97       108       40.0       92.2       80.727         Swraget: 4.26-77[floorenhume       97       108       80.1       101       80-120         Swraget: 4.26-77[floorenhume       91       90.0       101       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.2       80-120       101         Swraget: 6.26-77[floorenhume       91.4       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       91.4       92.0       97.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       92.8       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.0       85.5       80-120       101         Swraget: 6.26-77[floorenhume       7.3       90.22       80-120       100       80-120       100         Swraget: 6.26-77[floorenhume       7.3       90.250       136       ND       90.4       80-120       100       80.120       100       80.120  |                                   |  | 1.19                                  | 0.0250             | mg/kg wet |                  |                  | -             |                |              |                 |         |
| Ethylbenzene       1.08       0.0250       "       1.25       86.4       80-120         Xylene (p/m)       2.66       0.0250       "       2.50       106       80-120         Xylene (o)       1.31       0.0250       "       1.25       105       80-120         Surrogate: a,a.a-Trifhuorotoluene       39.7       wg/kg       40.0       99.2       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzet: 08/07/06       80-120   | Ethylbenzene       1.08       0.0250       "       1.25       86.4       80-120         Xylene (p/m)       2.66       0.0250       "       2.50       106       80-120         Surrogate:       a.aTrifluorotoluene       39.7       ug/g       40.0       92.2       80-120         Surrogate:       A.B.OTOCONCONCONCE       Veg/g       40.0       102       80-120       Veg/g         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Analyzed:       08/07-00       Veg/g         Benzene       50.4       ug/g       50.0       01       80-120       Veg/g       80-120         Stylene (p/m)       99.8       100       98.2       80-120       Veg/g       80-120         Stylene (p/m)       99.8       "       100       99.8       80-120         Stylene (p/m)       99.8       "       100       99.8       80-120         Stylene (p/m)       99.8       "       100       99.8       80-120         Styrengate:       a.a.o.Trifluorotoluene       37.3       "       40.0       85.5       80-120         Styrengate:       a.a.o.Trifluorotoluene       1.27       0.0250       "       1.36       ND <td>Ethylbenzene       1.08       0.0250       "       1.25       86.4       80.120         Xylene (o)       1.31       0.0250       "       1.25       105       80.120         Surrogut: a.a Trifluoroiolizene       3.7       ykfag       40.0       9.2       80.120         Surrogut: a.a Trifluoroiolizene       40.7       "       40.0       102       80.120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Ambred       80.120      </td> <td>Ethylbenzene       1.08       0.0250       "       1.25       86.4       80.120         Xylene (o)       1.31       0.0250       "       1.25       105       80.120         Surrogut: a.a Trifluoroiolizene       3.7       ykfag       40.0       9.2       80.120         Surrogut: a.a Trifluoroiolizene       40.7       "       40.0       102       80.120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Ambred       80.120      </td> <td>Ensigners       1.08       0.0250       *       2.50       10.6       80-120         Xytene (o)       1.31       0.0250       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       0.02       0.020       *       0.02       0.020       *       0.02       0.020       *       0.020<td>Toluene</td><td>."</td><td>1.21</td><td>0.0250</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>  | Ethylbenzene       1.08       0.0250       "       1.25       86.4       80.120         Xylene (o)       1.31       0.0250       "       1.25       105       80.120         Surrogut: a.a Trifluoroiolizene       3.7       ykfag       40.0       9.2       80.120         Surrogut: a.a Trifluoroiolizene       40.7       "       40.0       102       80.120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Ambred       80.120   | Ethylbenzene       1.08       0.0250       "       1.25       86.4       80.120         Xylene (o)       1.31       0.0250       "       1.25       105       80.120         Surrogut: a.a Trifluoroiolizene       3.7       ykfag       40.0       9.2       80.120         Surrogut: a.a Trifluoroiolizene       40.7       "       40.0       102       80.120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Ambred       80.120  | Ensigners       1.08       0.0250       *       2.50       10.6       80-120         Xytene (o)       1.31       0.0250       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       2.60       0.020       *       0.02       0.020       *       0.02       0.020       *       0.02       0.020       *       0.020 <td>Toluene</td> <td>."</td> <td>1.21</td> <td>0.0250</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Toluene                           | ."                                       | 1.21                                  | 0.0250             |           |                  |                  |               |                |              |                 |         |
| Xylene (p/m)       2.66       0.0250       "       2.50       106       80-120         Xylene (o)       1.31       0.0250       "       1.25       105       80-120         Surrogaie: a.a.e.Trifluorotoluene       39.7       ug/kg       40.0       99.2       80-120         Surrogaie: 4.Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/05       80-120       50.0       98.2       80-120         Eduty benzene       50.4       ug/kg       50.0       98.8       80-120       50.0       98.8       80-120         String air: a.a.e.Trifluorotoluene       37.3       "       40.0       99.8       80-120       50.0       99.8       80-120         Surrogaie: a.a.e.Trifluorotoluene       37.3       "       40.0       93.2       80-120       50.0       50.120   | Xylene (p'm)       2.66       0.0250       "       2.50       106       80-120         Xylene (o)       1.31       0.0250       "       1.25       105       80-120         Surrogaie: a.a.o.Trifluoroblenee       39.7       ug/kg       40.0       99.2       80-120         Surrogaie: 4.Bromofluorobenzee       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzet: 08/07/06       80-120  | Xylenc (p/m)       2.66       0.0250       "       2.50       10.6       80-120         Xylenc (o)       1.31       0.0250       "       1.25       10.5       80-120         Surrogate: a.a.a-Trifluorotolaene       39.7       warka       40.0       99.2       80-120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       80-120       -         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       10.1       80-120         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       98.2       80-120         Toluene       49.1       "       50.0       98.8       80-120         Sylenc (p/m)       99.8       "       100       98.8       80-120         Surrogate: a.a.a-Trifluorotolaene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       77.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120 <td>Xylenc (p/m)       2.66       0.0250       "       2.50       10.6       80-120         Xylenc (o)       1.31       0.0250       "       1.25       10.5       80-120         Surrogate: a.a.a-Trifluorotolaene       39.7       warka       40.0       99.2       80-120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       80-120       -         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       10.1       80-120         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       98.2       80-120         Toluene       49.1       "       50.0       98.8       80-120         Sylenc (p/m)       99.8       "       100       98.8       80-120         Surrogate: a.a.a-Trifluorotolaene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       77.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120     <td>Nylene (p/m)       2.64       0.020       1.25       106       8-1.20         Nylene (p/m)       1.31       0.020       1.25       10.5       30-1.20         Surrogate: 4.40rom/fueroclume       40.7       10.7</td><td>Ethylbenzene</td><td></td><td></td><td></td><td>"</td><td>1.25</td><td></td><td></td><td></td><td></td><td></td><td></td></td>  | Xylenc (p/m)       2.66       0.0250       "       2.50       10.6       80-120         Xylenc (o)       1.31       0.0250       "       1.25       10.5       80-120         Surrogate: a.a.a-Trifluorotolaene       39.7       warka       40.0       99.2       80-120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       80-120       -         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       10.1       80-120         Edibartion Check (EH60702-CCV1)       50.4       warka       50.0       98.2       80-120         Toluene       49.1       "       50.0       98.8       80-120         Sylenc (p/m)       99.8       "       100       98.8       80-120         Surrogate: a.a.a-Trifluorotolaene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       77.3       "       40.0       93.2       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifluorotolaene       127       0.0250       "       1.36       ND       93.4       80-120 <td>Nylene (p/m)       2.64       0.020       1.25       106       8-1.20         Nylene (p/m)       1.31       0.020       1.25       10.5       30-1.20         Surrogate: 4.40rom/fueroclume       40.7       10.7</td> <td>Ethylbenzene</td> <td></td> <td></td> <td></td> <td>"</td> <td>1.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   | Nylene (p/m)       2.64       0.020       1.25       106       8-1.20         Nylene (p/m)       1.31       0.020       1.25       10.5       30-1.20         Surrogate: 4.40rom/fueroclume       40.7       10.7  | Ethylbenzene                      |  |                                       |                    | "         | 1.25             |                  |               |                |              |                 |         |
| Xylene (o)       1.31       0.020       "       1.25       105       80-120         Surrogate: a.a.e.Trifluorotoluene       39.7       ug/kg       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       80-120         Benzene       50.4       ug/kg       50.0       98.2       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       80-120         Benzene       50.4       ug/kg       50.0       98.2       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       98.8       80-120         Stylene (p/m)       99.8       "       100       99.8       80-120         Sylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.d-Trifluorotoluene       37.3       "       40.0       85.5       80-120         Surrogate: a.a.d-Trifluorotoluene       37.3       "       40.0       83.5       80-120         Surrogate: a.a.d-Trifluorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.d-Trifluorotoluene       1.27 <th< td=""><td>Xylene (o)       1.31       0.020       "       1.25       105       80-120         Surrogate: a. a. a. Trifluorotoluene       39.7       ug/kg       40.0       102       80-120         Surrogate: 4-Bronofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCVI)       Prepared: 08/04/06       Analyzed: 08/04/06       Analyzed: 08/04/06       Analyzed: 08/04/06       No         Benzene       50.4       ug/kg       50.0       98.2       80-120       Sol       20         Chuene       49.1       "       50.0       98.8       80-120       Sol       99.8       80-120         Sylene (p/m)       99.8       "       100       99.8       80-120       Sol       99.8       80-120         Surrogate: a. a. dr. Trifluorotoluene       37.3       "       40.0       93.4       80-120       Sol         Surrogate: 4-Bromofluorobenzene       34.2       "       90.0       93.4       80-120       Sol       Sol         Surrogate: 4-Bromofluorobenzene       34.2       "       1.36       ND       93.4       80-120       Sol         Surrogate: 4-Bromofluorobenzene       1.27       0.0250       "       1.3</td><td>Xylenc (o)       1.31       0.025       "       1.25       1.05       80-120         Surrogate: 4.4.6 - Tr/fluorotohene       39.7       ug/kg       40.0       92.2       80-120         Calibration Check (EH64702-CCCV)       Prepared: 08/04/06       Analyzec: 08/07/06       Analyzec: 08/07/06         Benzene       50.4       ug/kg       50.0       No       82.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120      </td><td>Xylenc (o)       1.31       0.025       "       1.25       1.05       80-120         Surrogate: 4.4.6 - Tr/fluorotohene       39.7       ug/kg       40.0       92.2       80-120         Calibration Check (EH64702-CCCV)       Prepared: 08/04/06       Analyzec: 08/07/06       Analyzec: 08/07/06         Benzene       50.4       ug/kg       50.0       No       82.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120      </td><td>Nyles (n)         1,3         0,020         1,25         105         8,41,0           Burrogate: 4,0,0 T/flueroslownen         30,7         s,6,6         40,0         92,2         40,120         50,120           Calibration Cacck (KH60702-CCVI)         Prepared: 08/04/06         Analyze:         90,120         50,0         98,8         80-120           Beazen         90,4         -         50,0         98,8         80-120         50,0         98,8         80-120           Sylens (n)         93,8         -         100         98,8         80-120         50,0         98,120         -         -           Sylens (n)         93,8         -         100         98,8         80-120         -</td><td>Xylene (p/m)</td><td>1</td><td>2.66</td><td>0.0250</td><td></td><td>2.50</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>   | Xylene (o)       1.31       0.020       "       1.25       105       80-120         Surrogate: a. a. a. Trifluorotoluene       39.7       ug/kg       40.0       102       80-120         Surrogate: 4-Bronofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCVI)       Prepared: 08/04/06       Analyzed: 08/04/06       Analyzed: 08/04/06       Analyzed: 08/04/06       No         Benzene       50.4       ug/kg       50.0       98.2       80-120       Sol       20         Chuene       49.1       "       50.0       98.8       80-120       Sol       99.8       80-120         Sylene (p/m)       99.8       "       100       99.8       80-120       Sol       99.8       80-120         Surrogate: a. a. dr. Trifluorotoluene       37.3       "       40.0       93.4       80-120       Sol         Surrogate: 4-Bromofluorobenzene       34.2       "       90.0       93.4       80-120       Sol       Sol         Surrogate: 4-Bromofluorobenzene       34.2       "       1.36       ND       93.4       80-120       Sol         Surrogate: 4-Bromofluorobenzene       1.27       0.0250       "       1.3   | Xylenc (o)       1.31       0.025       "       1.25       1.05       80-120         Surrogate: 4.4.6 - Tr/fluorotohene       39.7       ug/kg       40.0       92.2       80-120         Calibration Check (EH64702-CCCV)       Prepared: 08/04/06       Analyzec: 08/07/06       Analyzec: 08/07/06         Benzene       50.4       ug/kg       50.0       No       82.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120   | Xylenc (o)       1.31       0.025       "       1.25       1.05       80-120         Surrogate: 4.4.6 - Tr/fluorotohene       39.7       ug/kg       40.0       92.2       80-120         Calibration Check (EH64702-CCCV)       Prepared: 08/04/06       Analyzec: 08/07/06       Analyzec: 08/07/06         Benzene       50.4       ug/kg       50.0       No       82.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120  | Nyles (n)         1,3         0,020         1,25         105         8,41,0           Burrogate: 4,0,0 T/flueroslownen         30,7         s,6,6         40,0         92,2         40,120         50,120           Calibration Cacck (KH60702-CCVI)         Prepared: 08/04/06         Analyze:         90,120         50,0         98,8         80-120           Beazen         90,4         -         50,0         98,8         80-120         50,0         98,8         80-120           Sylens (n)         93,8         -         100         98,8         80-120         50,0         98,120         -         -           Sylens (n)         93,8         -         100         98,8         80-120         -   | Xylene (p/m)                      | 1  | 2.66                                  | 0.0250             |           | 2.50             |                  |               |                |              |                 |         |
| Surrogate: a.a. a-Trifluorotoluene         39.7         ug/kg         40.0         99.2         80-120           Surrogate: 4-Bromofluorobenzene         40.7         "         40.0         102         80-120           Calibration Check (EH66702-CCV1)         Prepared: 08/04/06         Analyzed: 08/07/06         80-120           Benzene         50.4         ug/kg         50.0         101         80-120           Toluene         49.1         "         50.0         98.2         80-120           Ethylbenzene         49.4         "         50.0         98.8         80-120           Xylene (n/m)         99.8         "         100         99.8         80-120           Surrogate: 4-Bromofluoroblene         7.3         "         40.0         93.2         80-120           Surrogate: 4-Bromofluoroblene         7.3         "         40.0         93.2         80-120           Surrogate: 4-Bromofluoroblene         34.2         "         40.0         93.4         80-120           Surrogate: 4-Bromofluoroblene         1.27         0.0250         "         40.0         93.4         80-120           Surrogate: 4-Bromofluorobenzene         1.27         0.0250         "         1.36         ND  | Surrogate: a, a, -Trifluorotoluene       39,7       ug/kg       40,0       99,2       80-120         Surrogate: 4-Bromofluorobenzene       40,7       "       40,0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 08/04/06       Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.8       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (n/m)       99.8       "       100       99.8       80-120         Surrogate: 4-Bromofluoroblene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluoroblene       37.3       "       40.0       85.5       80-120         Surrogate: 4-Bromofluoroblene       34.2       "       40.0       85.5       80-120         Surrogate: 4-Bromofluoroblene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Surrogate: 4-Bromofluoroblene       1.27       0.0250       "       1.36       ND       94.4       80-120 <td< td=""><td>Surrogate: a.a.a-Trifluorotoluene       39.7       ug/Ag       40.0       99.2       80.120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       Benzene       50.4       ug/kg       50.0       101       80-120         Editybeinzene       50.4       ug/kg       50.0       98.8       80-120       Sourogate: 4.870.00       98.8       80-120         Kylene (p/m)       99.8       "       100       99.8       80-120       Sourogate: 4.870.00       98.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: 4-Bromofluorobuene       32.8       ug/kg       40.0       82</td><td>Surrogate: a.a.a-Trifluorotoluene       39.7       ug/Ag       40.0       99.2       80.120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       Benzene       50.4       ug/kg       50.0       101       80-120         Editybeinzene       50.4       ug/kg       50.0       98.8       80-120       Sourogate: 4.870.00       98.8       80-120         Kylene (p/m)       99.8       "       100       99.8       80-120       Sourogate: 4.870.00       98.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: 4-Bromofluorobuene       32.8       ug/kg       40.0       82</td><td>Surrogate: a.g. P.TPLancoolamen         39.7         ng/kg         40.0         99.2         80-120           Surrogate: 4. Hormofluorobeneen         40.7         *         40.0         102         80-120           Calibration Check (EH66702-CCV)).         Prepared: 08(04/06         Analyzed: 08(07/06         *           Beazone         50.4         up/kg         50.0         98.2         80-120           Toluwen         49.1         *         50.0         98.8         80-120           Strongate: a.g.or.Prifluoroblenee         37.3         *         40.0         92.2         80-120           Surrogate: EH60702-MS1)         Source: EH04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Beazone         1.27         0.0250         *         1.36         ND         93.4         80-120           Matrix Spike (EH60702-MS1)         Source: EH04011-01         Prepared: 08/04/06         Analyzed: 08/07/06             Beazone         1.27         0.0250         *         1.36         ND         93.4         80-120           Sylene (p/m)         2.67         0.0250         *         1.36         ND         94.2         80-120           Surrogate: a.a.o.Triffuoroblenee</td><td></td><td></td><td></td><td>0.0250</td><td>"</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | Surrogate: a.a.a-Trifluorotoluene       39.7       ug/Ag       40.0       99.2       80.120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       Benzene       50.4       ug/kg       50.0       101       80-120         Editybeinzene       50.4       ug/kg       50.0       98.8       80-120       Sourogate: 4.870.00       98.8       80-120         Kylene (p/m)       99.8       "       100       99.8       80-120       Sourogate: 4.870.00       98.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: 4-Bromofluorobuene       32.8       ug/kg       40.0       82  | Surrogate: a.a.a-Trifluorotoluene       39.7       ug/Ag       40.0       99.2       80.120         Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06       Benzene       50.4       ug/kg       50.0       101       80-120         Editybeinzene       50.4       ug/kg       50.0       98.8       80-120       Sourogate: 4.870.00       98.8       80-120         Kylene (p/m)       99.8       "       100       99.8       80-120       Sourogate: 4.870.00       98.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: 4-Bromofluorobuene       32.8       ug/kg       40.0       82   | Surrogate: a.g. P.TPLancoolamen         39.7         ng/kg         40.0         99.2         80-120           Surrogate: 4. Hormofluorobeneen         40.7         *         40.0         102         80-120           Calibration Check (EH66702-CCV)).         Prepared: 08(04/06         Analyzed: 08(07/06         *           Beazone         50.4         up/kg         50.0         98.2         80-120           Toluwen         49.1         *         50.0         98.8         80-120           Strongate: a.g.or.Prifluoroblenee         37.3         *         40.0         92.2         80-120           Surrogate: EH60702-MS1)         Source: EH04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Beazone         1.27         0.0250         *         1.36         ND         93.4         80-120           Matrix Spike (EH60702-MS1)         Source: EH04011-01         Prepared: 08/04/06         Analyzed: 08/07/06             Beazone         1.27         0.0250         *         1.36         ND         93.4         80-120           Sylene (p/m)         2.67         0.0250         *         1.36         ND         94.2         80-120           Surrogate: a.a.o.Triffuoroblenee  |                                   |  |                                       | 0.0250             | "         |                  |                  |               |                |              |                 |         |
| Surrogate: 4-Bromofluorobenzene       40.7       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Analyzed:       08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       50.0       98.8       80-120         Kylene (p/m)       99.8       100       99.8       80-120         Xylene (g/m)       99.8       00       93.2       80-120         Surrogate:       4.0.0       93.2       80-120         Surrogate:       4.0.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source:       H0411-01       Prepared:       08/04/06       Analyzet:       08/07-06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Benzene       1.27       0.0250       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       1.36       ND       93.4       80-120         Stylene (on       1.27       0.0250       1.36       ND       93.4       80-120         Stylene (on/m)       2.67       0.0250   | Surrogate: 4-Bromofluorobenzene       40.7       "       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Analyzet:       08/07/06         Benzene       50.4       ug/kg       50.0       98.2       80-120         Toluene       49.1       "       50.0       98.8       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.aTrifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       90.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H0401-0       Prepared:       08/04/06       Analyzet:       08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.64       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.6   | Surrogate: 4-Bromofluorobenzene       40.7       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       50.4       ug/kg       50.0       98.2       80-120         Calibration Check (EH60702-CCV1)       "       50.0       98.2       80-120         Ednylbenzene       49.1       "       50.0       98.8       80-120         Kylenc (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       93.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylenc (p/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Kylenc (o/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifluorotoluene       1.27       0.0250       "   | Surrogate: 4-Bromofluorobenzene       40.7       40.0       102       80-120         Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       50.4       ug/kg       50.0       98.2       80-120         Calibration Check (EH60702-CCV1)       "       50.0       98.2       80-120         Ednylbenzene       49.1       "       50.0       98.8       80-120         Kylenc (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       37.3       "       40.0       93.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzet: 08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylenc (p/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Kylenc (o/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.a-Trifluorotoluene       1.27       0.0250       "  | Surrogate: 4-Bronngfluoroblement       90,7       40,0       102       80-120         Calibration Check (EH69702-CCV1)       Prepared: 08/04/06       Analyzet: 08/07/0       86-120         Enters       90,4       90,0       98,8       80-120         Ethylhenzene       90,4       50,0       98,8       80-120         Kylene (o)       98,8       50,0       98,8       80-120         Surrogate: a.g.a.P.ffluoroblemen       37,3       40,0       93,2       80-120         Surrogate: A.g.a.P.ffluoroblemen       37,3       40,0       93,4       80-120         Surrogate: A.g.a.P.ffluoroblemen       37,3       40,0       93,4       80-120         Surrogate: A.g.a.P.ffluoroblemen       37,3       136       ND       93,4       80-120         Surrogate: A.g.a.P.ffluoroblemen       127       00250       1,36       ND       93,4       80-120         Surrogate: A.g.a.P.ffluoroblemen       123       00250       1,36       ND       90,4       80-120         Surrogate: A.g.a.P.ffluoroblemen       3,8       40,0       80,2       80-120       1.36       ND       100       80-120         Surrogate: A.g.a.P.ffluoroblemen       3,8       40,0       80,5       80-120   | Surrogate: a.a.a-Trifluorotoluene |  | 39.7                                  |                    | uo/ko     | 40.0             |                  | 99.2          |                | ····.        | 1               | ······  |
| Calibration Check (EH60702-CCV1)       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.aTrifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H0011-01       Prepared: 08/04/06       Analyzed: 08/07/0-       -         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (ym)       2.67       0.0250       "       1.36       ND       93.4       80-120         Sturrogate: a.a.a-Trifluorotoluene       1.23       0.0250       "       1.36       ND       90.4       80-120         Stylene (ym)       1.36       ND </td <td>Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Analyzed:       08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate:       48.8       "       50.0       97.6       80-120         Surrogate:       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source:       6H04011-01       Prepared:       08/04/06       Analyzed:       08/07/05         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       96.120       -         Stylene (p/m)       2.67       0.0250       "       1.36       ND       80-120       -         Stylene (p/m)       3.6</td> <td>Prepared: 08/04/06 Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (g/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e.Triffuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Triffuorotoluene       3.2       ug/kg       40.0       80-120           Surrogate: a.a.e.Triffuorotoluene       3.5.8       "<!--</td--><td>Prepared: 08/04/06 Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (g/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e.Triffuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Triffuorotoluene       3.2       ug/kg       40.0       80-120           Surrogate: a.a.e.Triffuorotoluene       3.5.8       "<!--</td--><td>Calibration Check (E160702-CCV1)         Prepared: 05/04/06         Analyzet: 08/07/06           Benzene         49.1         -         50.0         98.8         80.120           Foluene         49.1         -         50.0         98.8         80.120           Killsmither         50.0         98.8         80.120         -         -           Sylene (p/m)         98.8         -         100         99.8         80.120         -           Swrogate: 4-Bromofiluerobarcene         37.3         40.0         83.5         80-120         -           Matri Spike (E160702-MS1)         Source: 6H40411         Prepared: 08/04/06         Analyzed: 08/07/0         -         -           Benzene         1.27         0.0250         mg/kg         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         2.37         0.0250         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         1.27         0.0250         "         1.36         ND         94.2         80-120           Stringet: a.a.b. refuturositure         1.28         ND         94.4         80-120         2.4         2.0          Stringet: a.a.b. refuturositure         2</td><td></td><td></td><td></td><td></td><td>"</td><td></td><td></td><td></td><td></td><td></td><td></td><td>:</td></td></td> | Calibration Check (EH60702-CCV1)       Prepared:       08/04/06       Analyzed:       08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate:       48.8       "       50.0       97.6       80-120         Surrogate:       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source:       6H04011-01       Prepared:       08/04/06       Analyzed:       08/07/05         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       96.120       -         Stylene (p/m)       2.67       0.0250       "       1.36       ND       80-120       -         Stylene (p/m)       3.6  | Prepared: 08/04/06 Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (g/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e.Triffuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Triffuorotoluene       3.2       ug/kg       40.0       80-120           Surrogate: a.a.e.Triffuorotoluene       3.5.8       " </td <td>Prepared: 08/04/06 Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (g/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e.Triffuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Triffuorotoluene       3.2       ug/kg       40.0       80-120           Surrogate: a.a.e.Triffuorotoluene       3.5.8       "<!--</td--><td>Calibration Check (E160702-CCV1)         Prepared: 05/04/06         Analyzet: 08/07/06           Benzene         49.1         -         50.0         98.8         80.120           Foluene         49.1         -         50.0         98.8         80.120           Killsmither         50.0         98.8         80.120         -         -           Sylene (p/m)         98.8         -         100         99.8         80.120         -           Swrogate: 4-Bromofiluerobarcene         37.3         40.0         83.5         80-120         -           Matri Spike (E160702-MS1)         Source: 6H40411         Prepared: 08/04/06         Analyzed: 08/07/0         -         -           Benzene         1.27         0.0250         mg/kg         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         2.37         0.0250         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         1.27         0.0250         "         1.36         ND         94.2         80-120           Stringet: a.a.b. refuturositure         1.28         ND         94.4         80-120         2.4         2.0          Stringet: a.a.b. refuturositure         2</td><td></td><td></td><td></td><td></td><td>"</td><td></td><td></td><td></td><td></td><td></td><td></td><td>:</td></td>  | Prepared: 08/04/06 Analyzed: 08/07/06         Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (g/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.e.Triffuorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.2       80-120         Surrogate: a.a.e.Triffuorotoluene       34.2       "       40.0       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Surrogate: a.a.e.Triffuorotoluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Triffuorotoluene       3.2       ug/kg       40.0       80-120           Surrogate: a.a.e.Triffuorotoluene       3.5.8       " </td <td>Calibration Check (E160702-CCV1)         Prepared: 05/04/06         Analyzet: 08/07/06           Benzene         49.1         -         50.0         98.8         80.120           Foluene         49.1         -         50.0         98.8         80.120           Killsmither         50.0         98.8         80.120         -         -           Sylene (p/m)         98.8         -         100         99.8         80.120         -           Swrogate: 4-Bromofiluerobarcene         37.3         40.0         83.5         80-120         -           Matri Spike (E160702-MS1)         Source: 6H40411         Prepared: 08/04/06         Analyzed: 08/07/0         -         -           Benzene         1.27         0.0250         mg/kg         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         2.37         0.0250         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         1.27         0.0250         "         1.36         ND         94.2         80-120           Stringet: a.a.b. refuturositure         1.28         ND         94.4         80-120         2.4         2.0          Stringet: a.a.b. refuturositure         2</td> <td></td> <td></td> <td></td> <td></td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>:</td>  | Calibration Check (E160702-CCV1)         Prepared: 05/04/06         Analyzet: 08/07/06           Benzene         49.1         -         50.0         98.8         80.120           Foluene         49.1         -         50.0         98.8         80.120           Killsmither         50.0         98.8         80.120         -         -           Sylene (p/m)         98.8         -         100         99.8         80.120         -           Swrogate: 4-Bromofiluerobarcene         37.3         40.0         83.5         80-120         -           Matri Spike (E160702-MS1)         Source: 6H40411         Prepared: 08/04/06         Analyzed: 08/07/0         -         -           Benzene         1.27         0.0250         mg/kg         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         2.37         0.0250         1.36         ND         94.4         80-120           Stringet: a.a.b. refuturositure         1.27         0.0250         "         1.36         ND         94.2         80-120           Stringet: a.a.b. refuturositure         1.28         ND         94.4         80-120         2.4         2.0          Stringet: a.a.b. refuturositure         2  |                                   |  |                                       |                    | "         |                  |                  |               |                |              |                 | :       |
| Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.a-Trifluorotoluene       1.23       0.0250       "       1.36       ND       94.4       80-120         Yolene (p/m)       2.67       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.a-Trifluorotoluene <td>Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Sylene (p/m)       2.67       0.0250       "       1.36       ND       94.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.a-Trifluorotoluene       3.2.8</td> <td>Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.o.Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed:       08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.26       0.0250       "       1.36       ND       9.12       30</td> <td>Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.o.Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed:       08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.26       0.0250       "       1.36       ND       9.12       30</td> <td>Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "50.0       98.8       80-120         Xylenc (y'm)       99.8       "100       99.8       80-120         Surrogate: 4-Bromgfluorobnezne       37.3       40.0       92.2       80-120         Surrogate: 4-Bromgfluorobnezne       34.2       "40.0       92.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       "1.36       ND       93.4       80-120         Ethylbenzee       1.23       0.0250       "1.36       ND       93.4       80-120         Strorgate: 4.Bromgfluorobnezene       1.27       0.0250       "2.72       ND       98.2       80-120         Strorgate: 4.Bromgfluorobnezene       32.8       "40.0       82.0       80-120       -       -         Surrogate: 4.Bromgfluorobnezene       32.8       "40.0       82.0       80-120       -       -         Surrogate: 4.Bromgfluorobnezene       32.8       ug/fg       40.0       82.0       80-120       -         Surrogate: a.g.a.Friffluorobnezene       32.8       ug/fg</td> <td>•</td> <td></td>  | Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Sylene (p/m)       2.67       0.0250       "       1.36       ND       94.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.a-Trifluorotoluene       3.2.8  | Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.o.Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed:       08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.26       0.0250       "       1.36       ND       9.12       30  | Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.o.Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed:       08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.27       0.0250       "       1.36       ND       9.4       80-120         Surrogate: a.a.a.Trifluorotoluene       1.26       0.0250       "       1.36       ND       9.12       30   | Benzene       50.4       ug/kg       50.0       101       80-120         Toluene       49.1       "50.0       98.8       80-120         Xylenc (y'm)       99.8       "100       99.8       80-120         Surrogate: 4-Bromgfluorobnezne       37.3       40.0       92.2       80-120         Surrogate: 4-Bromgfluorobnezne       34.2       "40.0       92.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       "1.36       ND       93.4       80-120         Ethylbenzee       1.23       0.0250       "1.36       ND       93.4       80-120         Strorgate: 4.Bromgfluorobnezene       1.27       0.0250       "2.72       ND       98.2       80-120         Strorgate: 4.Bromgfluorobnezene       32.8       "40.0       82.0       80-120       -       -         Surrogate: 4.Bromgfluorobnezene       32.8       "40.0       82.0       80-120       -       -         Surrogate: 4.Bromgfluorobnezene       32.8       ug/fg       40.0       82.0       80-120       -         Surrogate: a.g.a.Friffluorobnezene       32.8       ug/fg   | •                                 |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
| Toluene       49.1       50.0       98.2       80-120         Ethylbenzene       49.4       50.0       98.8       80-120         Xylene (p/m)       99.8       100       99.8       80-120         Xylene (o)       48.8       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Stylene (p/m)       2.67       0.0250       "       1.36       ND       93.4       80-120         Stylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Styrogate: a.a.a-Trifluorotoluene       1.26       0.0250       "       1.36       ND       90.4       80-120         Styrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120       1.16       1.20       80   | Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.   | Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzec: 08/07/06       Vol         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.27       0.0250       "       1.36       ND       94.4       80-120         Sylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       96.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       32.8       ug/kg       40.0       89.5       80-120 <td>Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzec: 08/07/06       Vol         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.27       0.0250       "       1.36       ND       94.4       80-120         Sylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       96.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       32.8       ug/kg       40.0       89.5       80-120<td>Toluene       49.1       50.0       98.2       80-120         Edylspector       99.4       50.0       98.8       80-120         Sylenc (pn)       99.8       100       98.8       80-120         Surrogate: a.a.o.Trifluoroinhuene       37.3       40.0       95.5       80-120         Surrogate: 4.Bromofluorobenzene       34.2       7       80.400       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/0       Analyzec: 08/07/0       80-120         Bezzene       1.27       0.0250       1.36       ND       99.4       80-120         Toluene       1.27       0.0250       1.36       ND       99.4       80-120         Sylenc (pn)       2.67       0.0250       1.36       ND       99.4       80-120         Sylenc (a.a.o.Trifluoroinhuene       32.8       wg/kg       40.0       80-120       Verture         Surrogate: 4.Bromofluorobenzene       32.8       wg/kg       1.00       80-120       2.38       20         Surrogate: 4.Bromofluorobenzene       1.24       0.0250       1.36       ND       91.2       80-120       2.38       20         Surogate: 4.Bromofluorobenzene       1.24</td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td><td>08/04/06 A</td><td></td><td></td><td></td><td>• • • •</td><td>· · · ·</td></td>   | Toluene       49.1       "       50.0       98.2       80-120         Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzec: 08/07/06       Vol         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.27       0.0250       "       1.36       ND       94.4       80-120         Sylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       96.4       80-120         Sylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       32.8       ug/kg       40.0       89.5       80-120 <td>Toluene       49.1       50.0       98.2       80-120         Edylspector       99.4       50.0       98.8       80-120         Sylenc (pn)       99.8       100       98.8       80-120         Surrogate: a.a.o.Trifluoroinhuene       37.3       40.0       95.5       80-120         Surrogate: 4.Bromofluorobenzene       34.2       7       80.400       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/0       Analyzec: 08/07/0       80-120         Bezzene       1.27       0.0250       1.36       ND       99.4       80-120         Toluene       1.27       0.0250       1.36       ND       99.4       80-120         Sylenc (pn)       2.67       0.0250       1.36       ND       99.4       80-120         Sylenc (a.a.o.Trifluoroinhuene       32.8       wg/kg       40.0       80-120       Verture         Surrogate: 4.Bromofluorobenzene       32.8       wg/kg       1.00       80-120       2.38       20         Surrogate: 4.Bromofluorobenzene       1.24       0.0250       1.36       ND       91.2       80-120       2.38       20         Surogate: 4.Bromofluorobenzene       1.24</td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td>08/04/06 A</td> <td></td> <td></td> <td></td> <td>• • • •</td> <td>· · · ·</td>   | Toluene       49.1       50.0       98.2       80-120         Edylspector       99.4       50.0       98.8       80-120         Sylenc (pn)       99.8       100       98.8       80-120         Surrogate: a.a.o.Trifluoroinhuene       37.3       40.0       95.5       80-120         Surrogate: 4.Bromofluorobenzene       34.2       7       80.400       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/0       Analyzec: 08/07/0       80-120         Bezzene       1.27       0.0250       1.36       ND       99.4       80-120         Toluene       1.27       0.0250       1.36       ND       99.4       80-120         Sylenc (pn)       2.67       0.0250       1.36       ND       99.4       80-120         Sylenc (a.a.o.Trifluoroinhuene       32.8       wg/kg       40.0       80-120       Verture         Surrogate: 4.Bromofluorobenzene       32.8       wg/kg       1.00       80-120       2.38       20         Surrogate: 4.Bromofluorobenzene       1.24       0.0250       1.36       ND       91.2       80-120       2.38       20         Surogate: 4.Bromofluorobenzene       1.24  |                                   |  | · · · · · · · · · · · · · · · · · · · |                    |           |                  | 08/04/06 A       |               |                |              | • • • •         | · · · · |
| Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.e-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzed: 08/07/06       N         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.27       0.0250       "       1.36       ND       90.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.a-Trifluorotoluene       2.67       0.0250       "       1.36       ND       98.2       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120       V         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5   | Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.e-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       Analyzet: 08/07/06       N         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.e-Trifluorotoluene       1.36       0.0250       "       1.36       ND       94.4       80-120         Surrogate: a.a.e-Trifluorotoluene       1.36       0.0250       "       1.36       ND       96.2       80-120         Surrogate: a.a.e-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120       V       V         Surrogate: 4-Bromofluorobenzene       35.8       <  | Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (n/m)       99.8       "       100       99.8       80-120         Xylene (n/m)       48.8       "       50.0       97.6       80-120         Surrogate: a.aTrifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 08/04/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Xylene (p/m)       2.67       0.0250       "       1.36       ND       94.4       80-120         Xylene (o)       1.36       0.025       "       1.36       ND       94.2       80-120         Xylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       3.8       "       1.36       ND       90.2   | Ethylbenzene       49.4       "       50.0       98.8       80-120         Xylene (n/m)       99.8       "       100       99.8       80-120         Xylene (n/m)       48.8       "       50.0       97.6       80-120         Surrogate: a.aTrifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 08/04/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Xylene (p/m)       2.67       0.0250       "       1.36       ND       94.4       80-120         Xylene (o)       1.36       0.025       "       1.36       ND       94.2       80-120         Xylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       3.8       "       1.36       ND       90.2  | EdityDenacene       49.4       *       50.0       98.8       80-120         Xylene (o)       48.8       *       50.0       97.6       80-120         Surrogate: a.a.o. Trifluorotoluene       37.3       *       40.0       93.2       80-120         Surrogate: a.a.o. Trifluorotoluene       37.3       *       40.0       83.5       80-120         Matrix Spike (El60702-MS1)       Source: 6H04011-0       Prepared: 08/04/06       Analyzet: 08/07/06       Analyzet: 08/07/06         Beazene       1.27       0.0250       *       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       *       1.36       ND       90.4       80-120         Sylene (o)       1.36       0.0250       *       1.36       ND       90.4       80-120         Surrogate: a.a.e.Trifluorotoluene       3.8       *       40.0       82.0       80-120         Surrogate: a.a.e.Trifluorotoluene       3.8       *       40.0       82.0       80-120         Surrogate: a.a.e.Trifluorotoluene       1.24       0.0250       *       1.36       ND       91.2       80-120       2.38       20         Surogate: a.a.e.Trifluorotoluene       1.24       0  |                                   | 5 B)                                     |                                       |                    | ug/kg     |                  |                  |               |                |              |                 |         |
| Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.o-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       -         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Stylene (p/m)  | Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.o-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       -         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       99.4       80-120         Surrogate: a.a.o-Trifluorotoluene       2.67       0.0250       "       1.36       ND       99.2       80-120         Surrogate: a.a.o-Trifluorotoluene       2.67       0.0250       "       1.36       ND       98.2       80-120         Surrogate: a.a.o-Trifluorotoluene       3.2.8       ug/kg       40.0       80-120       -       -         Surrogate: 4-Bromofluorobenzene       3.5.8       "       40.0       80.2       80-120       -         Matrix Spike Dup (EH60702-MSD1)  | Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       V         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       94.4       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       94.2       80-120         Surrogate: a.a.a-Trifluorotoluene       1.23       0.0250       "       1.36       ND       94.2       80-120         Surrogate: a.a.a-Trifluorotoluene       3.8       "       40.0       80-120       -       -         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       -       -       -         Benzene       1.24  | Xylene (p/m)       99.8       "       100       99.8       80-120         Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       83.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       V         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ehylbenzene       1.23       0.0250       "       1.36       ND       94.4       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       94.2       80-120         Surrogate: a.a.a-Trifluorotoluene       1.23       0.0250       "       1.36       ND       94.2       80-120         Surrogate: a.a.a-Trifluorotoluene       2.67       0.0250       "       1.36       ND       94.2       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       &82.0       &80-120          Matri Spike Dup (EH60702-MSDI)  | Xylenc (n/m)       99.8       *       100       99.8       80-120         Xylenc (n/m)       48.8       50.0       77.6       80-120         Surrogut: a.a.o.Trifluorotoluene       37.3       40.0       83.2       80-120         Marix Spike (EH66702-MSI)       Source: 6H04011-0       Preparet: 08/04/06       Analyzet: 08/07/05       80-120         Benzene       1.27       0.0250       *       1.36       ND       93.4       80-120         Kylenc (n/m)       2.67       0.0250       *       1.36       ND       94.4       80-120         Xylenc (n/m)       2.67       0.0250       *       1.36       ND       94.4       80-120         Surrogat: - A.a.r.Trifluorotoluene       3.2.8       ugAg       40.0       82.0       80-120         Surrogat: - A.a.r.Trifluorotoluene       3.2.8       ugAg       40.0       84.120       2.38       20         Surrogat: - A.a.r.Trifluorotoluene       3.2.4       0.0250       *       1.36       ND       91.2       80-120       2.38       20         Surrogat: - A.a.r.Trifluorotoluene       3.1       0.0250       *       1.36       ND       91.2       80-120       2.38       20         Su   |                                   | ,  |                                       |                    |           |                  |                  |               |                |              |                 |         |
| Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Kontrester       Kontrester       Kontrester       ND       93.4       80-120         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Xylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Benzene   | Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: 4-Bromofluorobenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a - Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36 </td <td>Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluoroberzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a-Trifluorotoluene       2.28       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       32.8       ug/kg       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       32.4       0.0250       "       1.36       ND       91.2       80-120       2.38       20<!--</td--><td>Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a, a,</td><td>Xylenc (n)         48.8         50.0         97.6         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         95.2         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H6011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dv         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         *         1.36         ND         93.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.9         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.0         80-120         2.38         20           Surrogate: a.a.a-Tt/fluorotoluene         3.6         ND         91.2         80-120         2.38         20      S</td><td>•</td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>   | Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluoroberzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a-Trifluorotoluene       2.28       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       32.8       ug/kg       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       32.4       0.0250       "       1.36       ND       91.2       80-120       2.38       20 </td <td>Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a, a,</td> <td>Xylenc (n)         48.8         50.0         97.6         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         95.2         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H6011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dv         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         *         1.36         ND         93.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.9         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.0         80-120         2.38         20           Surrogate: a.a.a-Tt/fluorotoluene         3.6         ND         91.2         80-120         2.38         20      S</td> <td>•</td> <td>,</td> <td></td>  | Xylene (o)       48.8       "       50.0       97.6       80-120         Surrogate: a,   | Xylenc (n)         48.8         50.0         97.6         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         95.2         80-120           Surrogate: a.a.a-Ptr/Juorotoluene         37.3         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H6011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dv         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         *         1.36         ND         93.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Xylene (pin)         2.67         0.0250         *         1.36         ND         90.4         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.9         80-120           Surrogate: a.a.a-Tt/fluorotoluene         3.8         ug/g         40.0         83.0         80-120         2.38         20           Surrogate: a.a.a-Tt/fluorotoluene         3.6         ND         91.2         80-120         2.38         20      S   | •                                 | ,  |                                       |                    |           |                  |                  |               |                |              |                 |         |
| Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       98.2       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Matrix Spike Dup (EH60702-MSD1)       Source: 6H   | Surrogate: a,a,a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01   | Surrogate: a.a.a.Trifluorotoluene         37.3         "         40.0         93.2         80-120           Surrogate: 4-Bromofluorobenzene         34.2         "         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dry         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         "         1.36         ND         93.4         80-120           Kylene (p/m)         2.67         0.0250         "         1.36         ND         90.4         80-120           Surrogate: a, a, a-Trifluorotoluene         32.8         ug/kg         40.0         82.0         80-120           Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         82.0         80-120           Surrogate: 4-Bromofluorobenzene         1.24         0.0250         "         1.36         ND         91.2         80-120           Surrogate: 4-Bromofluorobenzene         1.24         0.0250         "         1.36   | Surrogate: a.a.a-Trifluorotoluene       37.3       "       40.0       93.2       80-120         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a.g.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38 <t< td=""><td>Surrogate: a.a.e.Trifluorololuene         37.3         40.0         93.2         80-120           Surrogate: 4-Bromofluorobenzene         34.2         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H94011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dv         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         1.36         ND         90.4         80-120           Kylene (p/m)         2.67         0.0250         1.36         ND         90.4         80-120           Surrogate: 4-Bromofhuorobenzene         3.2         ug/kg         40.0         82.0         80-120           Surrogate: 4-Bromofhuorobenzene         3.5         ug/kg         40.0         89.5         80-120           Surrogate: 4-Bromofhuorobenzene         3.6         vg/kg         1.36         ND         91.2         80-120           Surrogate: 4-Bromofhuorobenzene         3.6         vg/kg         40.0         89.5         80-120           Surrogate: 4-Bromofhuorobenzene         3.7         ug/kg         1.36         ND         91.2         80.120         2.38         20</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | Surrogate: a.a.e.Trifluorololuene         37.3         40.0         93.2         80-120           Surrogate: 4-Bromofluorobenzene         34.2         40.0         85.5         80-120           Matrix Spike (EH60702-MS1)         Source: 6H94011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.27         0.0250         mg/kg dv         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         1.36         ND         90.4         80-120           Kylene (p/m)         2.67         0.0250         1.36         ND         90.4         80-120           Surrogate: 4-Bromofhuorobenzene         3.2         ug/kg         40.0         82.0         80-120           Surrogate: 4-Bromofhuorobenzene         3.5         ug/kg         40.0         89.5         80-120           Surrogate: 4-Bromofhuorobenzene         3.6         vg/kg         1.36         ND         91.2         80-120           Surrogate: 4-Bromofhuorobenzene         3.6         vg/kg         40.0         89.5         80-120           Surrogate: 4-Bromofhuorobenzene         3.7         ug/kg         1.36         ND         91.2         80.120         2.38         20   |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
| Surrogate: 4,4,4-Prijitabrobolatene       57.3       40.0       53.2       60-720         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       90.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       90.4       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       80-120   | Surrogate: 4,4,4-Prijitabrobolatere       37.3       40.0       53.2       50-720         Surrogate: 4-Bromofluorobenzene       34.2       "       40.0       85.5       80-120         Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91   | starring die: d. d. Pring die: d. d. d. Pring die: d.  | Marrigate:       M.d. H. Pripatrikalization       57.3       "40.0       55.2       50-720         Surrogate:       4.2       "40.0       85.5       80-720         Matrix Spike (EH60702-MS1)       Source:       6H04011-01       Prepared:       08/04/06       Analyzed:       08/07/06         Benzene       1.27       0.0250       "       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       94.4       80-120         Kylene (p/m)       2.67       0.0250       "       1.36       ND       94.2       80-120         Surrogate:       a.a.a.arTrifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate:       4.8.0       35.8       "       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source:       H04011-01       Prepared:       08/04/06       Analyzed:       08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate:       4.80.0       89.5       80-120       2.38       20       2.38       20  | Surrogate:         AB.0         Source:         Source: <t< td=""><td></td><td>· . · ·</td><td></td><td></td><td></td><td>50.0</td><td></td><td></td><td></td><td></td><td></td><td></td></t<> |                                   | · . · ·                                  |                                       |                    |           | 50.0             |                  |               |                |              |                 |         |
| Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       90.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       90.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: FH04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       8.0120         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120         Surrogate: 4-Br  | Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Surrogate: a, a, a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       "       1.36       ND       91.2   | Matrix Spike (EH60702-MS1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Surrogate: a, a, a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       "       1.36       ND       91.2  | Matrix Spike (EH60702-MS1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzone         1.27         0.0250         mg/kg dry         1.36         ND         93.4         80-120           Ethylbenzene         1.23         0.0250         "         1.36         ND         93.4         80-120           Kylene (p'n)         2.67         0.0250         "         1.35         ND         98.2         80-120           Surrogate: a.a.e-Trifhuorotohuene         32.8         ug/kg         40.0         82.0         80-120           Surrogate: a.a.e-Trifhuorotohuene         32.8         "         40.0         82.0         80-120           Surrogate: a.a.e-Trifhuorotohuene         32.8         "         40.0         89.5         80-120           Surrogate: a.a.e-Trifhuorotohuene         32.8         "         40.0         89.0         80.120         2.38         20           Surrogate: a.a.e-Trifhuorotohuene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Surrogate: a.a.e-Trifhuorotohuene         1.20         0.0250         "         1.36         ND         96.3         80-120         2.0  |                                   |  |                                       |                    |           |                  |                  |               |                |              | <i>.</i> *      |         |
| Benzene       1.27       0.0250 mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250 "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250 "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250 "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250 "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20  | Benzene       1.27       0.0250 mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250 "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250 "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250 "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250 "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20  | Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a, a, a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate: a, a, a-Trifluorotohuene       1.24       0.0250   | Benzene       1.27       0.0250       mg/kg dry       1.36       ND       93.4       80-120         Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a, a, a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate: a, a, a-Trifluorotohuene       1.24       0.0250  | Benzene         1.27         0.0250         mg/kg dry         1.36         ND         93.4         80-120           Toluene         1.27         0.0250         "         1.36         ND         93.4         80-120           Ethylbenzene         1.23         0.0250         "         1.36         ND         90.4         80-120           Xylene (p/m)         2.67         0.0250         "         1.36         ND         90.4         80-120           Surrogate: a.a.a Trifluorotoluene         32.8         ug/kg         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Stylene (p/m)         2.62         0.0250         "         1.36         ND         82.8         80-120         2.38         20           Xylene (o)         1.31         0.0250         "         1.36         ND  | Surrogate: 4-Bromofluorobenzene   |  | 34.2                                  |                    | "         | 40.0             |                  | 85.5          | 80-120         |              |                 |         |
| Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/Ag       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Surrogate: (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate: (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Xylene (o)       1.31  | Toluene       1.27       0.0250       "       1.36       ND       93.4       80-120         Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/Ag       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Surrogate: (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate: (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Xylene (o)       1.31   | Toluene       1.27       0.0250       1.36       ND       93.4       80-120         Ehslybenzene       1.23       0.0250       1.36       ND       90.4       80-120         Xylene (p/m)       1.36       0.0250       2.72       ND       98.2       80-120         Surrogate: a.a.G.Trifluorotoluene       32.8       ugAg       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Surrogate: 4-Bromofluorobenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ehslybenzene       1.20       0.0250       "       1.36       ND       96.3       80-120       2.46       20         Sylene (o')       1.31       0.0250       "       1.36       ND       96.3       80-120       3.7       20         Surrogate: a.a.e-Trifluorotoluene       33.1       ug/kg       40.0   | Matrix Spike (EH60702-MS1)        | · .                                      | So                                    | urce: 6H0401       | l-01      | Prepared: (      | 08/04/06 A       | Analyzed: 08  | 8/07/06        | 3            | 18 <sup>1</sup> |         |
| Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       1.36       ND       96.3       80-120       3.77       20 <td>Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       1.36       ND       96.3       80-120       3.77       20<td>Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p'm)       2.67       0.0250       "       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       96.3       80-120       1.95       20         Surrogate: a.a.a-Trifluorotoluene       33.1       ug/kg       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       <t< td=""><td>Benzene</td><td>и. , · · ·</td><td>1:27</td><td>0.0250</td><td>mg/kg dry</td><td>1.36</td><td>ND</td><td>93.4</td><td>80-120</td><td></td><td></td><td></td></t<></td></td>  | Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       1.36       ND       96.3       80-120       3.77       20 <td>Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p'm)       2.67       0.0250       "       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       96.3       80-120       1.95       20         Surrogate: a.a.a-Trifluorotoluene       33.1       ug/kg       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       <t< td=""><td>Benzene</td><td>и. , · · ·</td><td>1:27</td><td>0.0250</td><td>mg/kg dry</td><td>1.36</td><td>ND</td><td>93.4</td><td>80-120</td><td></td><td></td><td></td></t<></td>  | Ethylbenzene       1.23       0.0250       "       1.36       ND       90.4       80-120         Xylene (p'm)       2.67       0.0250       "       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       96.3       80-120       1.95       20         Surrogate: a.a.a-Trifluorotoluene       33.1       ug/kg       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene <t< td=""><td>Benzene</td><td>и. , · · ·</td><td>1:27</td><td>0.0250</td><td>mg/kg dry</td><td>1.36</td><td>ND</td><td>93.4</td><td>80-120</td><td></td><td></td><td></td></t<>  | Benzene                           | и. , · · ·                               | 1:27                                  | 0.0250             | mg/kg dry | 1.36             | ND               | 93.4          | 80-120         |              |                 |         |
| Xylene (p/m)       2.67       0.0250       ''       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       ''       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       ''       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Source: 08/07/06         Benzene       1.24       0.0250       '''       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       '''       1.36       ND       91.2       80-120       2.38       20   | Xylene (p/m)       2.67       0.0250       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20   | Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       2.46       20         Kylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Xylene (p/m)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Kylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       2.46       20         Kylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Xylene (p'm)       2.67       0.0250       "       2.72       ND       98.2       80-120         Xylene (o)       1.36       0.0250       1.36       ND       100       80-120         Surrogate: a.a.a-Trifluorololuene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Benzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       96.3       80-120       2.95       20         Xylene (p'm)       2.62       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a.a.e.Trifluorololuene       33.1       ug/kg       40.0       82.8       80-120       3.77       20         Surrogate: 4.Bromofluorobenzene       35.5       "       40.0       88.8       80-120       3.77       20   | foluene                           | •  | 1.27                                  | 0.0250             |           | 1.36             | ND               | 93.4          | 80-120         |              |                 | , •     |
| Xyleic (pin)       2.07       0.0250       2.12       ND       50.2       60120         Xylene (o)       1.36       0.0250       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       Zurogate:       2.12       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Xyleic (pin)       2.07       0.02.0       2.72       ND       90.2       60-120         Xylene (o)       1.36       0.0250       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20   | Xylene (p/m)       2.67       0.0250       1.2       ND       96.2       60-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Xylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate:       3.1       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate:       3.1       0.0250       "       1.36       ND       96.3       80-120       2.46       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20  | Xylene (p/m)       2.67       0.0250       1.2       ND       96.2       60-120         Xylene (o)       1.36       0.0250       "       1.36       ND       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Xylene (p/m)       2.62       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate:       3.1       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Surrogate:       3.1       0.0250       "       1.36       ND       96.3       80-120       2.46       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20   | Appendix (pm)         2.00         0.0250         1.12         1.10         9.0.2         00.120           Xylene (a)         1.36         0.0250         1.36         ND         100         80-120           Surrogate: 4.Bromofluorobenzene         32.8         ug/kg         40.0         82.0         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.24         0.0250         *         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         *         1.36         ND         91.2         80-120         2.38         20           Kylene (n)         2.62         0.0250         *         1.36         ND         91.2         80-120         2.46         20           Xylene (n)         2.62         0.0250         *         1.36         ND         96.3         80-120         2.45         20           Surrogate: a, a, ch Trifluorotoluene         33.1         0.0250         *         1.36         ND         96.3         80-120         3.77         20           Surrogate: 4.Bromofluorobenzene         35.5 <t< td=""><td>Ethylbenzene</td><td>• · · · ·</td><td>1.23</td><td>0.0250</td><td>н .</td><td>1.36</td><td>ND</td><td>90.4</td><td>80-120</td><td></td><td></td><td></td></t<>  | Ethylbenzene                      | • · · · ·                                | 1.23                                  | 0.0250             | н .       | 1.36             | ND               | 90.4          | 80-120         |              |                 |         |
| Xylete (0)       1.50  | Xylete (0)       1.50       0.0250       1.50       1.50       100       80-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20  | Xylene (b)       1.50       0.0250       1.50       1.50       100       60-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       1.36       ND       91.2       80-120       2.38       20         Xylene (p/m)       2.62       0.0250       1.36       ND       91.2       80-120       2.38       20         Surrogate: a,a,a-Trifluorotoluene       1.31       0.0250       1.36       ND       96.3       80-120       1.95       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Xylene (b)       1.50       0.0250       1.50       1.50       100       60-120         Surrogate: a,a,a-Trifluorotoluene       32.8       ug/kg       40.0       82.0       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06       2.38       20         Toluene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       1.36       ND       91.2       80-120       2.38       20         Xylene (p/m)       2.62       0.0250       1.36       ND       91.2       80-120       2.38       20         Surrogate: a,a,a-Trifluorotoluene       1.31       0.0250       1.36       ND       96.3       80-120       1.95       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Areas (0)         1.35         0.020         1.35         1.05         0.00         82.0         80-120           Surrogate: 4-Bromo/luorobenzene         32.8         ug/kg         40.0         82.0         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06         -           Benzene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Kylene (p/m)         2.62         0.0250         "         1.36         ND         96.3         80-120         1.95         20           Surrogate: a.aTrifluorotoluene         33.1         ug/kg         40.0         82.8         80-120         3.77         20           Surrogate: a.aTrifluorotoluene         33.1         ug/kg         40.0         88.8         80-120         3.77         20           Surrogate: 4-Bromofluorobenzene         35.5         "         40.0         88.8         80-120         3.77         20  | Kylene (p/m)                      |  | 2.67                                  | 0.0250             | н         | 2.72             | ND               | 98.2          | 80-120         |              |                 |         |
| Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06         Source: 08/07/06           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20   | Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06         80-120         2.38         20           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20   | Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       91.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       91.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-U         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Ethylbenzene         1.20         0.0250         "         1.36         ND         96.3         80-120         2.46         20           Xylene (p/m)         2.62         0.0250         "         1.36         ND         96.3         80-120         3.7         20           Surrogate: a.a.e-Trifluorotoluene         33.1         ug/kg         40.0         88.8         80-120         3.7         20           Surrogate: 4-Bromofluorobenzene         35.5         "         40.0         88.8         80-120         80.70  | Kylene (0)                        | 14 - A - A - A - A - A - A - A - A - A - | 1.36                                  | 0.0250             | н         | 1.36             | ND               | 100           | 80-120         |              |                 |         |
| Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06         Source: 08/07/06           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20   | Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-01         Prepared: 08/04/06         Analyzed: 08/07/06         80-120         2.38         20           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20   | Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       91.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Surrogate: 4-Bromofluorobenzene       35.8       "       40.0       89.5       80-120         Matrix Spike Dup (EH60702-MSD1)       Source: 6H04011-01       Prepared: 08/04/06       Analyzed: 08/07/06         Benzene       1.24       0.0250       mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250       "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       91.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Surrogate: 4-Bromofluorobenzene         35.8         "         40.0         89.5         80-120           Matrix Spike Dup (EH60702-MSD1)         Source: 6H04011-U         Prepared: 08/04/06         Analyzed: 08/07/06           Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Ethylbenzene         1.20         0.0250         "         1.36         ND         96.3         80-120         2.46         20           Xylene (p/m)         2.62         0.0250         "         1.36         ND         96.3         80-120         3.7         20           Surrogate: a.a.e-Trifluorotoluene         33.1         ug/kg         40.0         88.8         80-120         3.7         20           Surrogate: 4-Bromofluorobenzene         35.5         "         40.0         88.8         80-120         80.70  | Surrogate: a,a,a-Trifluorotoluene |  | 32.8                                  |                    | ug/kg     | 40.0             |                  | 82.0          | 80-120         |              |                 |         |
| Benzene         1.24         0.0250 mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250 "         1.36         ND         91.2         80-120         2.38         20   | Benzene         1.24         0.0250 mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250 "         1.36         ND         91.2         80-120         2.38         20   | Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250 "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250 "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250 "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250 "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250 "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250 "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Ethylbenzene         1.20         0.0250         "         1.36         ND         88.2         80-120         2.46         20           Xylene (p/m)         2.62         0.0250         "         2.72         ND         96.3         80-120         1.95         20           Xylene (o)         1.31         0.0250         "         1.36         ND         96.3         80-120         3.77         20           Surrogate: a.a.a-Trifluorotoluene         33.1         ug/kg         40.0         82.8         80-120         3.77         20           Surrogate: 4-Bromofluorobenzene         35.5         "         40.0         88.8         80-120         40.0         88.8         80-120         40.0         88.8         80-120         40.0         88.8         80-120         40.0         80.9         40.0         80.9         40.0         40.0         40.0         40.0         40.0         40.0  | Surrogate: 4-Bromofluorobenzene   |  | 35.8                                  |                    |           | 40.0             |                  | 89.5          | 80-120         |              | *               |         |
| Benzene         1.24         0.0250 mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250 "         1.36         ND         91.2         80-120         2.38         20   | Benzene         1.24         0.0250 mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250 "         1.36         ND         91.2         80-120         2.38         20   | Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250 "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250 "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250 "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Benzene       1.24       0.0250 mg/kg dry       1.36       ND       91.2       80-120       2.38       20         Toluene       1.24       0.0250 "       1.36       ND       91.2       80-120       2.38       20         Ethylbenzene       1.20       0.0250 "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250 "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250 "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Benzene         1.24         0.0250         mg/kg dry         1.36         ND         91.2         80-120         2.38         20           Toluene         1.24         0.0250         "         1.36         ND         91.2         80-120         2.38         20           Ethylbenzene         1.20         0.0250         "         1.36         ND         88.2         80-120         2.46         20           Xylene (p/m)         2.62         0.0250         "         2.72         ND         96.3         80-120         1.95         20           Xylene (o)         1.31         0.0250         "         1.36         ND         96.3         80-120         3.77         20           Surrogate: a.a.a-Trifluorotoluene         33.1         ug/kg         40.0         82.8         80-120         3.77         20           Surrogate: 4-Bromofluorobenzene         35.5         "         40.0         88.8         80-120         40.0         88.8         80-120         40.0         88.8         80-120         40.0         88.8         80-120         40.0         88.8         80-120         40.0         40.0         40.0         40.0         40.0         40.0         40.0 <t< td=""><td>Matrix Snike Dun (FH60702-)</td><td>(SD1)</td><td>Sa</td><td>urce: 6H04011</td><td>-01</td><td>Prenared (</td><td>)8/04/06 A</td><td>nalvzed 08</td><td>/07/06</td><td></td><td></td><td></td></t<>  | Matrix Snike Dun (FH60702-)       | (SD1)                                    | Sa                                    | urce: 6H04011      | -01       | Prenared (       | )8/04/06 A       | nalvzed 08    | /07/06         |              |                 |         |
| 1014cmc 1.24 0.0230 1.30 ND 71.2 60420 2.36 20  | 1.24 0.0230 1.30 ND 91.2 80420 2.36 20  | Indicate       1.24       0.0250       1.30       ND       91.2       60120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Indicate       1.24       0.0250       1.30       ND       91.2       60120       2.38       20         Ethylbenzene       1.20       0.0250       "       1.36       ND       88.2       80-120       2.46       20         Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Indefe       1.24       0.0250       1.53       1.15       1.15       1.15       2.15   |                                   |  |                                       |                    |           |                  |                  |               |                | 2.38         | 20              |         |
| Ethylbenzene 1.20 0.0250 " 1.36 ND 88.2 80-120 2.46 20  |   | Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20   | Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20  | Xylene (p/m)       2.62       0.0250       "       2.72       ND       96.3       80-120       1.95       20         Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a, a, a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       5       5       "       40.0       88.8       80-120       5       5       5       "       40.0       88.8       80-120       5       5       5       5       "       40.0       88.8       80-120       5       5       5       "       40.0       88.8       80-120       5       5       5       5       "       40.0       88.8       80-120       5       5       5       5       5       10       5 <td< td=""><td>Foluene</td><td>н</td><td>1.24</td><td>0.0250</td><td></td><td>1.36</td><td>ND</td><td>91.2</td><td>80-120</td><td>2.38</td><td>20</td><td></td></td<>  | Foluene                           | н  | 1.24                                  | 0.0250             |           | 1.36             | ND               | 91.2          | 80-120         | 2.38         | 20              |         |
|   | Ethylbenzene 1.20 0.0250 " 1.36 ND 88.2 80-120 2.46 20  | Xylene (a)     1.31     0.0250     1.36     ND     96.3     80-120     3.77     20       Surrogate: a,a,a-Trifluorotoluene     33.1     ug/kg     40.0     82.8     80-120  | Xylene (a)     1.31     0.0250     1.36     ND     96.3     80-120     3.77     20       Surrogate: a,a,a-Trifluorotoluene     33.1     ug/kg     40.0     82.8     80-120   | Aylene (o)       1.31       0.0250       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120   | Ethylbenzene                      |  | 1.20                                  | 0.0250             | Ħ         | 1.36             | ND               | 88.2          | 80-120         | 2.46         | 20              |         |
|   |   | Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120  | Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120   | Xylene (o)       1.31       0.0250       "       1.36       ND       96.3       80-120       3.77       20         Surrogate: a.a.a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120       3.77       20         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120       3.77       20         Environmental Lab of Texas       The results in this report apply to the samples analyzed in accordance with the samples       3.77       20  | •                                 |  | 2.62                                  | 0.0250             | "         | 2.72             | ND               | 96.3          | 80-120         | 1.95         | 20              |         |
|   |   | Surrogate: a,a,a-Trifluorotoluene 33.1 ug/kg 40.0 82.8 80-120   | Surrogate: a,a,a-Trifluorotoluene 33.1 ug/kg 40.0 82.8 80-120  | Surrogate: a,a,a-Trifluorotoluene       33.1       ug/kg       40.0       82.8       80-120         Surrogate: 4-Bromofluorobenzene       35.5       "       40.0       88.8       80-120         Environmental Lab of Texas       The results in this report apply to the samples analyzed in accordance with the samples   |                                   |  |                                       | 0.0250             | "         | 1.36             | ND               | 96.3          | 80-120         | 3.77         | 20              | • •     |
|   |   |   |  | Surrogate: 4-Bromafluorobenzene 35.5 " 40.0 88.8 80-120<br>Environmental Lab of Texas The results in this report apply to the samples analyzed in accordance with the samples  |                                   |  | 33.1                                  |                    | ug/kg     | 40.0             |                  | 82.8          | 80-120         |              |                 |         |
|   | Surrogale: a,a,a-Iriliuorololuene 53.1 ug/kg 40.0 62.6 00-120   |   |  | Environmental Lab of Texas The results in this report apply to the samples analyzed in accordance with the samples   |                                   |  |                                       |                    | "         | 1.5              |                  |               |                |              |                 |         |
|   |   |   |  |  | •                                 |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   | Surrogate: 4-Bromofluorobenzene 35.5 " 40.0 88.8 80-120   | Surrogate: 4-Bromofluorobenzene 35.5 " 40.0 88.8 80-120  | Environmental Lab of Texas The results in this report apply to the samples analyzed in accordance with the samples   |                                   |  |                                       |                    | ug/kg     | 1.5              |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  | 55.5                                  |                    |           | 70.0             | •                |               | 120            |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |
|   |   |   |  |  | Environmental Lab of Texa         |  | ·                                     |                    | The re    | sults in this re | port apply to    | o the samples | analyzed in a  | iccordance v | vith the san    | ples    |
| Environmental Lab of Texas The results in this report apply to the samples analyzed in accordance with the samples  | Surrogate: 4-Bromofluorobenzene 35.5 " 40.0 88.8 80-120   | Environmental Lab of Texas<br>The results in this report apply to the samples analyzed in accordance with the samples   | Environmental Lab of Texas The results in this report apply to the samples analyzed in accordance with the samples   | received in the laboratory. This analytical report must be reproduced in its entirety,   |                                   |  |                                       |                    |           |                  |                  |               |                |              |                 |         |

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project:Apache/ N. Mon. Grayburg SA 603Project Number:240014Project Manager:Jason Stegemoller

Fax: 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### Environmental Lab of Texas

| porting            | 1.101  |   |   |   |  |  |  |   |
|--------------------|--|---|---|---|--|--|--|---|
| Limit              | Units  | Spike<br>Level  | Source<br>Result  | %REC  | %REC<br>Limits   | RPD  | RPD<br>Limit   | Notes   |
|                    |  |   |   |   |  | _  |  |   |
|                    |  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
| 0.500              | mg/kg  |   |   |   |  |  |  |   |
| 0.500              | "  |   |   |   |  |  |  |   |
|                    |  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
| 0.500              | mg/kg  | 10.0  |   | 86.2  | 80-120   |  |  |   |
| 0.500              | "  | 10.0  |   | 97.0  | 80-120   |  |  |   |
|                    |  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
|                    | mg/L   | 10.0  |   | 98.3  | 80-120   |  |  |   |
|                    |  | 10.0  |   | 109   | 80-120   |  |  |   |
| G31011-            | •02  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
| 5.00               | mg/kg  |   | 149   |   |  | 3.30   | 20   |   |
| 5.00               | "  |   | 48.0  |   |  | 1.89   | 20   |   |
| G31013-            | •02  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
| 5.00               | mg/kg  |   | 127   |   |  | 0.791  | 20   |   |
| 5.00               | "  |   | 176   |   |  | 1.72   | 20   |   |
| Source: 6G31011-02 |  |   | Analyzed:   | 08/02/06  |  |  |  |   |
| 5.00               | mg/kg  | 100   | 48.0  | 104   | 80-120   |  |  |   |
| 5.00               | "  | 100   | 149   | 107   | 80-120   |  |  |   |
| G31013-            | -02  | Prepared &  | Analyzed:   | 08/02/06  |  |  |  |   |
| 5.00               | mg/kg  | 100   | 176   | 109   | 80-120   |  |  |   |
| 5.00               |  | 100   | 127   | 107   | 80-120   |  |  |   |
|                    | 0.500<br>0.500<br>0.500<br>0.500<br>0.500<br>0.500<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00 | 0.500 mg/kg<br>0.500 "<br>0.500 mg/kg<br>0.500 "<br>mg/L<br>"<br>iG31011-02<br>5.00 mg/kg<br>5.00 "<br>iG31013-02<br>5.00 mg/kg<br>5.00 "<br>iG31011-02<br>5.00 mg/kg<br>5.00 " | Prepared &           0.500         mg/kg           0.500         "           Prepared &         0.500           0.500         "           0.500         mg/kg           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           mg/L         10.0           "         10.0           "         10.0           "         "           5.00         mg/kg           5.00         "           "         "           G31013-02         Prepared &           5.00         "           100         "           5.00         "           100         "           G31013-02         Prepared &           5.00         "           100         "           5.00         "           100         " | Prepared & Analyzed:           0.500         mg/kg           0.500         "           Prepared & Analyzed:           0.500         "           0.500         "           0.500         mg/kg           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           0.500         "           10.0         "           "         10.0           "         10.0           "         10.0           "         10.0           "         10.0           "         10.0           "         149           5.00         mg/kg           127         5.00           5.00         mg/kg           100         48.0           5.00         "           100         149           G31013-02         Prepared & Analyzed: <td>Prepared &amp; Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           0.500         "           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           10.0         97.0           Prepared &amp; Analyzed: 08/02/06           mg/L         10.0           10.0         98.3           10.0         109           GG31011-02         Prepared &amp; Analyzed: 08/02/06           5.00         mg/kg           5.00         "           GG31013-02         Prepared &amp; Analyzed: 08/02/06           5.00         "           GG31011-02         Prepared &amp; Analyzed: 08/02/06           5.00         mg/kg         100           5.00         "         176           GG31011-02         Prepared &amp; Analyzed: 08/02/06           5.00         "         100           5.00         "         100           5.00         "         100           100         149</td> <td>Prepared &amp; Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           0.500         "           Prepared &amp; Analyzed: 08/02/06         80-120           0.500         "         10.0         86.2         80-120           0.500         "         10.0         97.0         80-120           Prepared &amp; Analyzed: 08/02/06        </td> <td>Prepared &amp; Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           0.500         "           0.500         "           Prepared &amp; Analyzed: 08/02/06           mg/L         10.0         98.3         80-120           Prepared &amp; Analyzed: 08/02/06           "         10.0         109         80-120           G31011-02         Prepared &amp; Analyzed: 08/02/06           5.00         mg/kg         149         3.30           5.00         "         48.0         1.89           G31013-02         Prepared &amp; Analyzed: 08/02/06           S.00         "           176         0.791           5.00         "         176         1.72           G31011-02           Prepared &amp; Analyzed: 08/02/06         5.00         "         100           5.00         "         100         48.0         104         80-120           S.00         "</td> <td>Prepared &amp; Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           Prepared &amp; Analyzed: 08/02/06           0.500         "           Prepared &amp; Analyzed: 08/02/06           Prepared &amp; Analyzed: 08/02/06           mg/L         10.0         98.3         80-120           "         10.0         98.3         80-120           GG31011-02         Prepared &amp; Analyzed: 08/02/06        </td> | Prepared & Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           0.500         "           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           10.0         97.0           Prepared & Analyzed: 08/02/06           mg/L         10.0           10.0         98.3           10.0         109           GG31011-02         Prepared & Analyzed: 08/02/06           5.00         mg/kg           5.00         "           GG31013-02         Prepared & Analyzed: 08/02/06           5.00         "           GG31011-02         Prepared & Analyzed: 08/02/06           5.00         mg/kg         100           5.00         "         176           GG31011-02         Prepared & Analyzed: 08/02/06           5.00         "         100           5.00         "         100           5.00         "         100           100         149 | Prepared & Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           0.500         "           Prepared & Analyzed: 08/02/06         80-120           0.500         "         10.0         86.2         80-120           0.500         "         10.0         97.0         80-120           Prepared & Analyzed: 08/02/06 | Prepared & Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           0.500         "           0.500         "           Prepared & Analyzed: 08/02/06           mg/L         10.0         98.3         80-120           Prepared & Analyzed: 08/02/06           "         10.0         109         80-120           G31011-02         Prepared & Analyzed: 08/02/06           5.00         mg/kg         149         3.30           5.00         "         48.0         1.89           G31013-02         Prepared & Analyzed: 08/02/06           S.00         "           176         0.791           5.00         "         176         1.72           G31011-02           Prepared & Analyzed: 08/02/06         5.00         "         100           5.00         "         100         48.0         104         80-120           S.00         " | Prepared & Analyzed: 08/02/06           0.500         mg/kg           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           Prepared & Analyzed: 08/02/06           0.500         "           Prepared & Analyzed: 08/02/06           Prepared & Analyzed: 08/02/06           mg/L         10.0         98.3         80-120           "         10.0         98.3         80-120           GG31011-02         Prepared & Analyzed: 08/02/06 |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 11

| ····                                 | Genera     | l Chemis    | try Para           | ameters b          | y EPA              | / Standar                          | l Metho            | ds - Qua     | lity Con          | trol        |              |               |
|--------------------------------------|------------|-------------|--------------------|--------------------|--------------------|------------------------------------|--------------------|--------------|-------------------|-------------|--------------|---------------|
|                                      |            |             |                    | Environ            | mental             | Lab of Te                          | xas                |              | <b>`</b> `        |             |              |               |
| Analyte                              | ÷ :        |             | Result             | Reporting<br>Limit |                    | Spike<br>Level                     | Source<br>Result   | %REC         | %REC<br>Limits    | RPD         | RPD<br>Limit | Notes         |
| Batch EH60302 - General              | Preparat   | ion (Prep)  |                    |                    |                    |                                    |                    | · · · · · ·  | 1. <sup>1</sup> . |             | iy s         |               |
| Blank (EH60302-BLK1)                 | ·          | , <i>'</i>  | ч с                |                    |                    | Prepared:                          | 08/02/06 A         | analyzed: 08 | 3/03/06           | · .         | . *          |               |
| % Solids                             |            |             | 100                |                    | · %                |                                    |                    |              |                   |             |              |               |
| Duplicate (EH60302-DUP1)<br>% Solids |            |             | <b>Sou</b><br>99.5 | irce: 6H0200       | 9 <b>1-01</b><br>% | Prepared:                          | 08/02/06 A<br>99.4 | analyzed: 08 | 8/03/06           | 0.101       | 20           |               |
|                                      |            |             | ,,,,,              |                    |                    |                                    | ,,,,,              |              |                   | 0.101       | 20           |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      | ŝ          | •           |                    |                    |                    |                                    |                    |              |                   | · · ·       |              | ·             |
|                                      |            | • •         |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            | - 1         |                    |                    |                    |                                    |                    |              |                   | · .         |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              | •             |
|                                      |            |             |                    | · • ,              |                    | *                                  |                    |              |                   |             |              |               |
| •<br>•                               |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    | t,                 |                                    |                    |              |                   |             |              |               |
|                                      | · .        |             |                    |                    |                    | · .                                | -                  |              |                   |             |              |               |
|                                      | ' <u>.</u> |             |                    | 1                  |                    |                                    |                    |              |                   | ·           |              | ۰.            |
|                                      | 4          |             |                    |                    | •                  |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    | . *                |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
|                                      |            |             |                    |                    |                    |                                    |                    |              |                   |             |              |               |
| Environmental Lab of Tex             | as         |             | · .                |                    |                    | results in this re                 |                    |              |                   |             |              | les           |
|                                      |            |             |                    | с. т<br>1 — м      |                    | ived in the labo<br>written approv |                    |              |                   | produced in |              | Page 10 of 11 |
|                                      |            |             |                    |                    | _                  |                                    |                    |              |                   |             |              | -             |
|                                      | ' 1        | 2600 West 1 | I-20 East          | - Odessa, To       | exas 7970          | 15 - (432) 56                      | 3-1800 - F         | fax (432) 5  | 63-1713           |             |              |               |

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

#### Fax: 505-394-2601

#### **Notes and Definitions**

| DET | Analyte DETECTED                                     |
|-----|--|
| ND  | Analyte NOT DETECTED at or above the reporting limit |
| NR  | Not Reported   |
| dry | Sample results reported on a dry weight basis        |
| RPD | Relative Percent Difference                          |
| LCS | Laboratory Control Spike                             |
| MS  | Matrix Spike   |
| Dup | Duplicate  |

Report Approved By:

Kaland K Just

8/8/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Inc.

P.O. Box 1558, Eunice, NM 88231

2100 Avenue O, Eunice, NM 88231

ANALYSIS REQUES H∀d <<< R3HTO 1 of 1 LCLP Ηđ ("OS) SETARLUS × × × (ID) SEGINOTHO × × × E-mail results to: jstegemoller@envplus.net × × MS108 HAJ × 81208 X3T8 × 15:39 TIME 11:40 13:43 8:30 SAMPLING 31-Jul-06 31-Jul-06 31-Jul-06 31-Jul-06 DATE Are gass Eunice, NM 88231 Attn: (ain Olness 20 P.O. Box 1558 NOTES: PRESERV. язнто × ICE/COOF × × × ACID/BASE :ABHTO (ed By: **3900**19 MATRIX CRUDE OIL 800 7105 Received By: (Jab stal RETEWATER Jung RATAW GNUORE Sample Cool & Intact Received By 505-394-3481 / 505-394-2601 # CONTAINERS Eunice New Mexico 88231 UL-C, Sec 20, T19S, R37E N. Mon. Grayburg SA 603 Environmental Plus, Inc. G G 5 C AMO(D) RO BAR(D) Apache Corporation 第 7 Q **Jason Stegemoller** George Blackburn P.O. BOX 1558 SAMPLE I.D. (505) 394-3481 FAX: (505) 394-2601 240014 BH-13 (6") BH-12 (6") (BH-14 (6") BH-11 (6") EPI Project Manager EPI Sampler Name Project Reference EPI Phone#/Fax# Mailing Address Company Name 0 **Client Company** Chy, State, Zip Facility Name pler Relinquished LAB I.D vd bed av ocation 

. 1

E Int Ca

Nrt (alber)

Π

Chain of Custody Form

# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

| lient:      | EPI         |  |
|-------------|-------------|--|
| Date/ Time: | RZ 00 11:15 |  |
| .ab ID # :  | 6H02D06     |  |
| nitials:    | CK          |  |

 $\Box$ 

# Sample Receipt Checklist

...

**Client Initials** 

| t1             | Temperature of container/ cooler?                      | Yes         | No | 3,0 °C                                |
|----------------|--|-------------|----|---------------------------------------|
| ŧ2             | Shipping container in good condition?                  | <b>V</b> O3 | No |                                       |
| <del>!</del> 3 | Custody Seals intact on shipping container/ cooler?    | Yes         | No | Not Present,                          |
| <u>4</u>       | Custody Seals intact on sample bottles/ container?     | Yes         | No | Not Present                           |
| ł5             | Chain of Custody present?                              | Yes         | No |                                       |
| ‡6             | Sample instructions complete of Chain of Custody?      | Yes         | No |                                       |
| ŧ7             | Chain of Custody signed when relinquished/ received?   | Yes         | No | · · · · · · · · · · · · · · · · · · · |
| <del>7</del> 8 | Chain of Custody agrees with sample label(s)?          | Xes         | No | ID written on Cont./ Lid              |
| ŧ9             | Container label(s) legible and intact?                 | Xes         | No | Not Applicable                        |
| <i>‡</i> 10    | Sample matrix/ properties agree with Chain of Custody? | Xas         | No |                                       |
| #11            | Containers supplied by ELOT?                           | (Xes        | No |                                       |
| <i>‡</i> 12    | Samples in proper container/ bottle?                   | Yes         | No | See Below                             |
| <i>‡</i> 13    | Samples properly preserved?                            | Yeg         | No | See Below                             |
| <b>#14</b>     | Sample bottles intact?                                 | Xes         | No |                                       |
| <i>‡</i> 15    | Preservations documented on Chain of Custody?          | (Jes)       | No |                                       |
| <i>‡</i> 16    | Containers documented on Chain of Custody?             | Xes         | No |                                       |
| <b>‡17</b>     | Sufficient sample amount for indicated test(s)?        | Nes         | No | See Below                             |
| ‡18            | All samples received within sufficient hold time?      | Yes         | No | See Below                             |
| <i>‡</i> 19    | VOC samples have zero headspace?                       | (es)        | No | Not Applicable                        |
|                |  |             |    |                                       |

# Variance Documentation

| Contact:                   |    | Contacted by:  | Date/ Time:                   |  |
|----------------------------|----|--|-------------------------------|--|
| Regarding:                 |    |  |                               |  |
|                            |    |  |                               |  |
| Corrective Action Taken    | 1: |  |                               |  |
|                            |    |  |                               |  |
|                            |    |  |                               |  |
|                            |    |  |                               |  |
| l<br>Check all that Apply: |    | See attached e-mail/ fax<br>Client understands and would | like to proceed with analysis |  |

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

# NVIRONMENTAL

## 12600 West I-20 East - Odessa, Texas 79765

at a second s

# Analytical Report

Prepared for: Jason Stegemoller Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014

Location: UL-C, Sec. 20, T19S, R37E

Lab Order Number: 6H02007

Report Date: 08/08/06

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project:Apache/ N. Mon. Grayburg SA 603Project Number:240014Project Manager:Jason Stegemoller

Fax: 505-394-2601

# ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled     | Date Received    |
|-----------|---------------|--------|------------------|------------------|
| BH-15 6"  | 6H02007-01    | Soil   | 2006-08-01 08:55 | 2006-08-02 11:15 |
| BH-16 6"  | 6H02007-02    | Soil   | 2006-08-01 10:10 | 2006-08-02 11:15 |
| BH-17 6"  | 6Н02007-03    | Soil   | 2006-08-01 11:25 | 2006-08-02 11:15 |
| BH-18 6"  | 6H02007-04    | Soil   | 2006-08-01 13:10 | 2006-08-02 11:15 |
| BH-19 6"  | 6H02007-05    | Soil   | 2006-08-01 14:25 | 2006-08-02 11:15 |
| BH-20 6"  | 6H02007-06    | Soil   | 2006-08-01 15:25 | 2006-08-02 11:15 |
|           |               |        |                  |                  |

| Énvironmental Plus, Incorporated<br>P.O. Box 1558<br>Eunice NM, 88231  |        | Project N | Project: Apac<br>Jumber: 2400<br>Janager: Jasor | 14       |         | g SA 603 |          | Fax: 505-3 | 94-2601 |
|--|--------|-----------|---|----------|---------|----------|----------|------------|---------|
|  |        | <b>O</b>  | rganics by                                      | GC ·     | • • •   |          |          |            |         |
| and a second s | •      |           | mental La                                       |          | exas    |          | • •      | •.         | 4       |
| · · · · · · · · · · · · · · · · · · ·  |        | Reporting |   |          |         |          |          | ·.         |         |
| Analyte  | Result | Limit     | Units   | Dilution | Batch   | Prepared | Analyzed | Method     | Note    |
| BH-15 6'' (6H02007-01) Soil  |        |           | <u>.</u>  |          |         |          |          |            |         |
| Benzene  | ND     | 0.0250    | mg/kg dry                                       | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B  |         |
| Foluene  | ND     | 0.0250    |   | "        | "       | 17       | н        | II.        |         |
| Ethylbenzene   | ND     | 0.0250    | "   | "        |         |          | "        | н          | ,       |
| Kylene (p/m)   | ND     | 0.0250    |   | N        | "       | ч        | "        | 17         |         |
| Kylene (o)   | ND     | 0.0250    | "   | **       | "       | "        | "        | **         |         |
| Surrogate: a,a,a-Trifluorotoluene  |        | 96.5 %    | 80-12   | 0        | "       | "        | "        | "          |         |
| Surrogate: 4-Bromofluorobenzene  |        | 93.8 %    | 80-12   | 0        | "       | "        | "        | "          |         |
| Carbon Ranges C6-C12   | ND     | 10.0      | mg/kg dry                                       | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M  |         |
| Carbon Ranges C12-C28  | ND     | 10.0      | u   | н        |         | "        | "        | 15         |         |
| Carbon Ranges C28-C35  | ND     | 10.0      | 14  | н        | "       | 14       | "        | 11         |         |
| Total Hydrocarbons   | ND     | 10.0      | H   | м        | "       | ۳        | "        | u          |         |
| Surrogate: 1-Chlorooctane  |        | 96.0 %    | 70-13   | 0        | "       | "        | "        | "          |         |
| Surrogate: 1-Chlorooctadecane  |        | 115 %     | 70-13   | 0        | n       | "        | "        | "          |         |
| 8H-16 6'' (6H02007-02) Soil  |        |           |   |          |         |          |          |            |         |
| Benzene  | ND     | 0.0250    | mg/kg dry                                       | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B  |         |
| Toluene  | ND     | 0.0250    | "   | "        | "       | *        | **       | 11         |         |
| Ethylbenzene   | ND     | 0.0250    | н   |          | "       | ••       | "        | 19         |         |
| Xylene (p/m)   | ND     | 0.0250    | "   | "        | "       | "        | н        | "          |         |
| (ylene (o)   | ND     | 0.0250    | "   | н        | "       | "        | "        | 11         |         |
| Surrogate: a,a,a-Trifluorotoluene  |        | 97.5 %    | 80-12   | 0        | "       | "        | "        | "          |         |
| Surrogate: 4-Bromofluorobenzene  |        | 90.5 %    | 80-12   | 0        | "       | "        | "        | "          |         |
| Carbon Ranges C6-C12   | ND     | 10.0      | mg/kg dry                                       | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M  |         |
| Carbon Ranges C12-C28  | ND     | 10.0      | **  |          | "       | m        | "        | 11         |         |
| Carbon Ranges C28-C35  | ND     | 10.0      | H   | "        | "       |          | 11       | **         |         |
| Total Hydrocarbons   | ND     | 10.0      | u   |          | "       | **       | "        | "          |         |
| Surrogate: 1-Chlorooctane  |        | 96.4 %    | 70-13   | 0        | "       | 11       | "        | "          |         |
| Surrogate: 1-Chlorooctadecane  |        | 113 %     | 70-13   | 0        | "       | n        | "        | "          |         |
| 3H-17 6'' (6H02007-03) Soil  |        |           |   |          |         |          |          |            |         |
| Benzene  | ND     | 0.0250    | mg/kg dry                                       | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B  |         |
| Toluene  | ND     | 0.0250    | "   | "        | "       | н        | n        | н          |         |
| Sthylbenzene   | ND     | 0.0250    | Ħ   |          | "       | "        | "        | •          |         |
| (ylene (p/m)   | ND     | 0.0250    | "   | "        | "       | *        | "        | "          |         |
| (ylene (o)   | ND     | 0.0250    | н   | "        | н       | *        | n        | "          |         |
| Surrogate: a,a,a-Trifluorotoluene  |        | 98.5 %    | 80-12   | 0        |         | n        | "        | 11         |         |
| Surrogate: 4-Bromofluorobenzene  |        | 93.5 %    | 80-12   | 0        | "       | "        | "        | "          |         |
| Carbon Ranges C6-C12   | ND     | 10.0      | mg/kg dry                                       | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M  |         |

received in the laboratory. This analytical report must be reproduced in its entire with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Page 2 of 11

1

-

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

#### Organics by GC

#### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed | Method    | Note        |
|-----------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------------|
| BH-17 6'' (6H02007-03) Soil       |        |                    |           |          |         |          |          |           |             |
| Carbon Ranges C12-C28             | ND     | 10.0               | mg/kg dry | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |             |
| Carbon Ranges C28-C35             | ND     | 10.0               | "         | н        | "       | 14       | "        | **        |             |
| Total Hydrocarbons                | ND     | 10.0               | "         | "        | "       | 11       | "        | 11        |             |
| Surrogate: 1-Chlorooctane         |        | 93.8 %             | 70-13     | 80       | "       | "        | "        | "         |             |
| Surrogate: 1-Chlorooctadecane     |        | 112 %              | 70-13     | 80       | "       | "        | "        | n         |             |
| BH-18 6'' (6H02007-04) Soil       |        |                    |           |          |         |          |          |           |             |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B |             |
| Toluene                           | ND     | 0.0250             | "         | n        |         | н        | "        | *1        |             |
| Ethylbenzene                      | ND     | 0.0250             | н         | "        | "       | "        | "        |           |             |
| Xylene (p/m)                      | ND     | 0.0250             | "         | н        |         | n        | "        | 11        |             |
| Xylene (o)                        | ND     | 0.0250             | "         | "        | *       | "        | ti       | .,        |             |
| Surrogate: a,a,a-Trifluorotoluene |        | 92.8 %             | 80-12     | 20       | "       | n        | "        | "         |             |
| Surrogate: 4-Bromofluorobenzene   |        | 87.2 %             | 80-12     | 20       | "       | "        | "        | "         |             |
| Carbon Ranges C6-C12              | ND     | 10.0               | mg/kg dry | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |             |
| Carbon Ranges C12-C28             | ND     | 10.0               | "         | "        | "       | 0        |          | **        |             |
| Carbon Ranges C28-C35             | ND     | 10.0               | н         | "        | **      | u        | "        |           |             |
| Total Hydrocarbons                | ND     | 10.0               | н         | "        | •       | 0        | **       | "         |             |
| Surrogate: 1-Chlorooctane         |        | 93.4 %             | 70-13     | 30       | **      | **       | н        | **        | · · · · · · |
| Surrogate: 1-Chlorooctadecane     |        | 112 %              | 70-13     | 80       | "       | 17       | n        | 17        |             |
| BH-19 6'' (6H02007-05) Soil       |        |                    |           |          |         |          |          |           |             |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EH60702 | 08/04/06 | 08/06/06 | EPA 8021B |             |
| Toluene                           | ND     | 0.0250             | н         |          | "       | "        | "        | 11        |             |
| Ethylbenzene                      | ND     | 0.0250             | "         | и        | "       | n        | "        | **        |             |
| Xylene (p/m)                      | ND     | 0.0250             | *         | "        | н       | "        | "        | n         |             |
| Xylene (o)                        | ND     | 0.0250             | 11        | n        | "       | u        | "        | 11        |             |
| Surrogate: a,a,a-Trifluorotoluene |        | 90.5 %             | 80-12     | 20       | "       | "        | "        | "         |             |
| Surrogate: 4-Bromofluorobenzene   |        | 90.8 %             | 80-12     | 20       | "       | "        | "        | "         |             |
| Carbon Ranges C6-C12              | ND     | 10.0               | mg/kg dry | 1        | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |             |
| Carbon Ranges C12-C28             | ND     | 10.0               | "         | n        | "       | "        | **       | "         |             |
| Carbon Ranges C28-C35             | ND     | 10.0               | "         | н        |         | н        | "        | "         |             |
| Total Hydrocarbons                | ND     | 10.0               | u         | н        |         | "        | н        | "         |             |
| Surrogate: I-Chlorooctane         |        | 96.2 %             | 70-13     | 30       | "       | "        | "        | н         |             |
| Surrogate: 1-Chlorooctadecane     |        | 113 %              | 70-13     | 80       | "       | "        | "        | "         |             |
|                                   |        |                    |           |          |         |          |          |           |             |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014

.

# Organics by GC

Project Manager: Jason Stegemoller

# **Environmental Lab of Texas**

|                                   |        | Reporting |             | *<br>1   |         |          |          |           |               |
|-----------------------------------|--------|-----------|-------------|----------|---------|----------|----------|-----------|---------------|
| Analyte                           | Result | Limit     | Units       | Dilution | Batch   | Prepared | Analyzed | Method    | Note          |
| BH-20 6'' (6H02007-06) Soil       |        |           |             |          |         |          |          |           |               |
| Benzene                           | ND     | 0.0250    | mg/kg dry   | 25       | EH60702 | 08/04/06 | 08/07/06 | EPA 8021B | 19 1 1 1 1    |
| Toluene                           | ND     | 0.0250    | "           | н        | "       | н        | "        | R (       | <sup>1</sup>  |
| Ethylbenzene                      | ND     | 0.0250    | "           | н        | ۲.,     | "        | ۳        |           | ł             |
| Xylene (p/m)                      | ND     | 0.0250    | ч.          | н        | "       | "        | "        | ۳. ,      |               |
| Xylene (0)                        | ND     | 0.0250    | "           | . 11     |         | н        | н        | • 5 5 5   |               |
| Surrogate: a,a,a-Trifluorotoluene |        | 98.0 %    | 80-12       | 20       | "       | n        | "        | "         |               |
| Surrogate: 4-Bromofluorobenzene   |        | 94.8 %    | 80-12       | 20       | "       |          |          | "         | • • • •       |
| Carbon Ranges C6-C12              | ND     | 10.0      | mg/kg dry   | · 1      | EH60209 | 08/02/06 | 08/02/06 | EPA 8015M |               |
| Carbon Ranges C12-C28             | ND     | 10.0      | ر, <b>"</b> | "        | Ħ       | *1       | "        | "         | 1             |
| Carbon Ranges C28-C35             | ND     | 10.0      | ".          | ., "     | "       | u        | н        |           | · · · · · · · |
| Total Hydrocarbons                | ND     | 10.0      | n           | . "      | "       | н        | н        | ч.        |               |
| Surrogate: 1-Chlorooctane         | ······ | 104 %     | 70-13       | 80       | "       | "        | "        | n         | ı.',          |
| Surrogate: 1-Chlorooctadecane     |        | 123.%     | 70-13       | 80       | "       | "        | . "      | . "       |               |
|                                   |        |           |             |          |         |          |          |           | · .           |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Page 4 of 11

#### General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

| Analyta                     | Result | Reporting<br>Limit | Units | D'L d'   | D. (1   | D        | <b>A 1 1</b> | M-d - 1       | <b>N</b> . |
|-----------------------------|--------|--------------------|-------|----------|---------|----------|--------------|---------------|------------|
| Analyte                     | Kesun  | Limil              | Units | Dilution | Batch   | Prepared | Analyzed     | Method        | Note       |
| BH-15 6" (6H02007-01) Soil  |        |                    |       |          |         |          |              |               |            |
| Chloride                    | 2510   | 50.0               | mg/kg | 100      | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 13.6   | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 146    | 50.0               | mg/kg | 100      | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| BH-16 6'' (6H02007-02) Soil |        |                    |       |          |         |          |              |               |            |
| Chloride                    | 226    | 10.0               | mg/kg | 20       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 10.6   | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 84.6   | 10.0               | mg/kg | 20       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| BH-17 6'' (6H02007-03) Soil |        |                    |       |          |         |          | _            | _             |            |
| Chloride                    | 1720   | 50.0               | mg/kg | 100      | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 11.8   | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 290    | 50.0               | mg/kg | 100      | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| BH-18 6'' (6H02007-04) Soil |        |                    |       |          |         |          |              |               |            |
| Chloride                    | 1240   | 25.0               | mg/kg | 50       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 8.3    | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 176    | 25.0               | mg/kg | 50       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| BH-19 6" (6H02007-05) Soil  |        |                    |       |          |         |          |              |               |            |
| Chloride                    | 1550   | 25.0               | mg/kg | 50       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 9.0    | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 253    | 25.0               | mg/kg | 50       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| BH-20 6'' (6H02007-06) Soil |        |                    |       |          |         |          |              |               |            |
| Chloride                    | 7.20   | 5.00               | mg/kg | 10       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |
| % Moisture                  | 4.6    | 0.1                | %     | 1        | EH60302 | 08/02/06 | 08/03/06     | % calculation |            |
| Sulfate                     | 21.8   | 5.00               | mg/kg | 10       | EH60307 | 08/02/06 | 08/04/06     | EPA 300.0     |            |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

#### **Organics by GC - Quality Control**

Project Manager: Jason Stegemoller

**Environmental Lab of Texas** 

|  |        | Reporting          |  | Spike          | Source          |            | %REC             |     | RPD  |            |
|--|--------|--------------------|--|----------------|-----------------|------------|------------------|-----|--|------------|
| Analyte  | Result | Limit              | Units                                  | Level          | Result          | %REC       | Limits           | RPD | Limit  | Notes      |
| Batch EH60209 - EPA 5030C (GC)                             |        |                    |  |                |                 |            | - N. 14          | •   | and the second s |            |
| Blank (EH60209-BLK1)                                       |        |                    |  | Prepared &     | Analyzed:       | 08/02/06   |                  |     |  |            |
| Carbon Ranges C6-C12                                       | ND     | 10.0               | mg/kg wet                              |                |                 |            |                  |     |  |            |
| Carbon Ranges C12-C28                                      | ND     | · 10.0             |  | a.             |                 |            |                  |     |  |            |
| Carbon Ranges C28-C35                                      | ND     | 10.0               | н                                      |                |                 |            |                  |     |  |            |
| Total Hydrocarbons   | ND     | 10.0               | н                                      |                | <b>.</b>        |            |                  |     |  |            |
| Surrogate: 1-Chlorooctane                                  | 64.0   |                    | mg/kg                                  | 50.0           |                 | 128        | 70-130           |     |  | 1          |
| Surrogate: 1-Chlorooctadecane                              | 61.1   |                    | . "                                    | 50.0           | 1               | 122        | 70-130           |     |  |            |
| LCS (EH60209-BS1)  |        |                    |  | Prepared &     | Analvzéd:       | 08/02/06   |                  |     |  |            |
| Carbon Ranges C6-C12                                       | 441    | 10.0               | mg/kg wet                              | 500            | · j             | 88.2       | 75-125           |     |  |            |
| Carbon Ranges C12-C28                                      | 451    | 10.0               | "                                      | 500 ·          |                 | 90.2       | 75-125           | · . |  |            |
| Carbon Ranges C28-C35                                      | ND     | 10.0               | ••• •                                  | 0.00           |                 |            | 75-125           |     |  | · ·        |
| Fotal Hydrocarbons   | 892    | 10.0               |  | 1000           | ٠.              | 89.2       | 75-125           |     |  |            |
| Surrogate: 1-Chloroociane                                  | 49.0   |                    | mg/kg                                  | 50.0           | ·····           | 98.0       | 70-130           |     |  | *          |
| Surrogate: 1-Chlorooctadecane                              | 37.1   |                    | "                                      | 50.0           | .*              | 74.2       | 70-130           |     |  | <u>,</u> ( |
| Calibration Check (EH60209-CCV1)                           |        |                    |  | Prepared: 0    | 8/02/06 An      | alvzed: 08 | 3/03/06          |     |  | ÷          |
| Carbon Ranges C6-C12                                       | 210    | ~                  | mg/kg                                  | 250            |                 | 84.0       | 80-120           |     |  | •••        |
| Carbon Ranges C12-C28                                      | 271    |                    |  | 250            |                 | 108        | 80-120           |     |  | · ·· ·     |
| Fotal Hydrocarbons   | 481    |                    | "                                      | ~ 500          |                 | 96.2       | 80-120           |     | 2.   | 1.1.1.1    |
| Surrogate: 1-Chlorooctane                                  | 87.7   |                    |  | 100            |                 | 87.7       | 70-130           |     |  | · · · ·    |
| surrogate: 1-Chlorooctane<br>Surrogate: 1-Chlorooctadecane | 75.9   |                    | "                                      | 100            |                 | 75.9       | 70-130<br>70-130 |     |  |            |
| -  |        |                    | <b>A1</b>                              |                | 4 t             |            |                  |     | •  |            |
| Matrix Spike (EH60209-MS1) Carbon Ranges C6-C12            | 466    | e: 6H02005<br>10.0 | -01<br>mg/kg dry                       | Prepared & 520 | Analyzed:<br>ND | 89.6       | 75-125           |     |  |            |
| Carbon Ranges C12-C28                                      | 479    | 10.0               | "<br>"                                 | 520            | ND ···          | 92.1       | 75-125           |     |  |            |
| Carbon Ranges C28-C35                                      | ND     | 10.0               | ų                                      | 0.00           | ND              |            | 75-125           |     |  | 4          |
| Fotal Hydrocarbons   | 945    | 10.0               | #                                      | 1040           | ND              | 90.9       | 75-125           |     |  |            |
| Surrogate: 1-Chlorooctane                                  | 49.7   |                    | mg/kg                                  | 50.0           |                 | 99.4       | 70-130           |     |  |            |
| Surrogate: 1-Chlorooctadecane                              | 38.3   | · ·                | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 50.0           |                 | 76.6       | 70-130           |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  | يد ا       |
|  | 6.000  |                    |  |                | 2.+             |            |                  |     |  | ۰.         |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |
|  |        |                    |  |                |                 |            |                  |     |  |            |

Environmental Lab of Texas

,

1 . A . A

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

**Organics by GC - Quality Control** 

#### Environmental Lab of Texas

|                                   |        | Reporting    |           | Spike       | Source     |             | %REC   |       | RPD   |       |
|-----------------------------------|--------|--------------|-----------|-------------|------------|-------------|--------|-------|-------|-------|
| Analyte                           | Result | Limit        | Units     | Level       | Result     | %REC        | Limits | RPD   | Limit | Notes |
| Batch EH60209 - EPA 5030C (GC)    |        |              |           |             |            |             |        |       |       |       |
| Matrix Spike Dup (EH60209-MSD1)   | Sou    | rce: 6H02005 | 5-01      | Prepared &  | Analyzed:  | 08/02/06    |        |       |       |       |
| Carbon Ranges C6-C12              | 470    | 10.0         | mg/kg dry | 520         | ND         | 90.4        | 75-125 | 0.855 | 20    |       |
| Carbon Ranges C12-C28             | 484    | 10.0         | "         | 520         | ND         | 93.1        | 75-125 | 1.04  | 20    |       |
| Carbon Ranges C28-C35             | ND     | 10.0         | "         | 0.00        | ND         |             | 75-125 |       | 20    |       |
| otal Hydrocarbons                 | 954    | 10.0         | "         | 1040        | ND         | 91.7        | 75-125 | 0.948 | 20    |       |
| urrogate: 1-Chlorooctane          | 50.5   |              | mg/kg     | 50.0        | -          | 101         | 70-130 |       |       |       |
| urrogate: 1-Chlorooctadecane      | 37.2   |              | "         | 50.0        |            | 74.4        | 70-130 |       |       |       |
| Batch EH60702 - EPA 5030C (GC)    |        |              |           |             |            |             |        |       |       |       |
| Blank (EH60702-BLK1)              |        |              |           | Prepared: 0 | 08/04/06 A | nalyzed: 08 | /06/06 |       |       |       |
| Benzene                           | ND     | 0.0250       | mg/kg wet |             |            |             |        |       |       |       |
| oluene                            | ND     | 0.0250       | "         |             |            |             |        |       |       |       |
| thylbenzene                       | ND     | 0.0250       | "         |             |            |             |        |       |       |       |
| (ylene (p/m)                      | ND     | 0.0250       | "         |             |            |             |        |       |       |       |
| (ylene (o)                        | ND     | 0.0250       |           |             |            |             |        |       |       |       |
| Surrogate: a,a,a-Trifluorotoluene | 37.0   |              | ug/kg     | 40.0        |            | 92.5        | 80-120 |       |       |       |
| urrogate: 4-Bromofluorobenzene    | 33.9   |              | "         | 40.0        |            | 84.8        | 80-120 |       |       |       |
| LCS (EH60702-BS1)                 |        |              |           | Prepared: 0 | 08/04/06 A | nalyzed: 08 | /06/06 |       |       |       |
| Benzene                           | 1.19   | 0.0250       | mg/kg wet | 1.25        |            | 95.2        | 80-120 |       |       |       |
| oluene                            | 1.21   | 0.0250       | "         | 1.25        |            | 96.8        | 80-120 |       |       |       |
| Ethylbenzene                      | 1.08   | 0.0250       | "         | 1.25        |            | 86.4        | 80-120 |       |       |       |
| (ylene (p/m)                      | 2.66   | 0.0250       | "         | 2.50        |            | 106         | 80-120 |       |       |       |
| (ylene (o)                        | 1.31   | 0.0250       | "         | 1.25        |            | 105         | 80-120 |       |       |       |
| Surrogate: a,a,a-Trifluorotoluene | 39.7   |              | ug/kg     | 40.0        |            | <i>99.2</i> | 80-120 |       |       |       |

40.0

40.7

Surrogate: 4-Bromofluorobenzene

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

102

80-120

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

Fax: 505-394-2601

# Organics by GC - Quality Control Environmental Lab of Texas

| Analyte                           | Result   | Reporting<br>Limit | Units      | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD    | RPD<br>Limit | Notes     |
|-----------------------------------|----------|--------------------|------------|----------------|------------------|-------------|----------------|--------|--------------|-----------|
| Batch EH60702 - EPA 5030C (GC)    | )        |                    |            |                |                  |             | · .            |        |              | · · · · · |
| Calibration Check (EH60702-CCV1)  |          | · · · ,            |            | Prepared:      | 08/04/06 A       | nalyzed: 08 | /07/06         |        |              | · · .     |
| Benzene                           | • • 50.4 |                    | ug/kg      | 50.0           |                  | 101         | 80-120         |        | · ·          |           |
| 'oluene '                         | 49.1     |                    | <b>u</b> ( | 50.0           |                  | 98.2        | 80-120         |        |              |           |
| thylbenzene                       | 49.4     |                    | ۳.         | 50.0           | · ·              | 98.8        | 80-120         |        | ,            |           |
| (ylene (p/m)                      | 99.8     |                    | н          | 100            | с <i>х</i> ,     | 99.8        | 80-120         |        | •            |           |
| (ylene (0)                        | 48.8     |                    | н          | 50.0           |                  | 97.6        | 80-120         |        | 10 A         |           |
| urrogate: a,a,a-Trifluorotoluene  | 37.3     |                    | #          | 40.0           |                  | 93.2        | 80-120         | ·····, |              |           |
| urrogate: 4-Bromofluorobenzene    | 34.2     |                    | "          | 40.0           |                  | 85.5        | 80-120         |        |              |           |
| Matrix Spike (EH60702-MS1)        | S.       | ource: 6H0401      | i_01       | Prenared (     | 18/04/06 A       | nalyzed: 08 | /07/06         | · · ·  |              |           |
| Benzene                           | 1.27     | 0.0250             | mg/kg dry  | 1.36           | ND               | 93.4        | 80-120         |        | <u> </u>     | <u> </u>  |
| oluene                            | 1.27     | 0.0250             | "          | 1.36           | ND               | 93.4        | 80-120         |        |              | ,         |
| Ethylbenzene                      | 1.23     | 0.0250             |            | 1.36           | ND               | 90.4        | 80-120         |        |              |           |
| (ylene (p/m)                      | 2.67     | 0.0250             |            | 2.72           | ND               | 98.2        | 80-120         |        |              | 1 - F     |
| (ylene (o)                        | 1.36     | 0.0250             | "          | 1.36           | ND               | 100         | 80-120         |        |              |           |
| Surrogate: a,a,a-Trifluorotoluene | 32.8     |                    | ug/kg      | 40.0           | ·                | 82.0        | 80-120         |        |              |           |
| Surrogate: 4-Bromofluorobenzene   | 35.8     | Y                  | "          | 40.0           |                  | 89.5        | 80-120         |        | • •          |           |
| Aatrix Spike Dup (EH60702-MSD1)   | Se       | ource: 6H04011     | 1-01       | Prepared: (    | 08/04/06 A       | nalyzed: 08 | /07/06         |        |              |           |
| Benzene                           | 1.24     | 0.0250             | mg/kg dry  | 1.36           | ND               | 91.2        | 80-120         | 2.38   | 20           |           |
| oluene                            | 1.24     | 0.0250             | . н<br>    | 1.36           | ND               | 91.2        | 80-120         | 2.38   | 20           |           |
| thylbenzene                       | 1.20     | 0.0250             | "          | 1.36           | ND               | 88.2        | 80-120         | 2.46   | 20           |           |
| (ylene (p/m)                      | 2.62     | 0.0250             | н          | 2.72           | ND               | 96.3        | 80-120         | 1.95   | 20           | ·.        |
| (ylene (o)                        | 1.31     | 0.0250             | "          | 1.36           | ND               | 96.3        | 80-120         | 3.77   | 20           | · · · · · |
| urrogate: a,a,a-Trifluorotoluene  | 33.1     |                    | ug/kg      | 40.0           |                  | 82.8        | 80-120         |        |              |           |
| Surrogate: 4-Bromofluorobenzene   | 35.5     |                    | 5.0        | 40.0           |                  | 88.8        | 80-120         |        | •            |           |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Project:Apache/ N. Mon. Grayburg SA 603Project Number:240014Project Manager:Jason Stegemoller

#### General Chemistry Parameters by EPA / Standard Methods - Quality Control

#### **Environmental Lab of Texas**

| Analyte                                    | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC      | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--|--------|--------------------|-------|----------------|------------------|-----------|----------------|-------|--------------|-------|
|  |        |                    |       | Lever          |                  |           | Zinits         |       | <u>Ennir</u> |       |
| Batch EH60302 - General Preparation (Prep) |        |                    |       |                |                  |           |                |       |              |       |
| Blank (EH60302-BLK1)                       |        |                    |       | Prepared: (    | 08/02/06         | Analyzed: | 08/03/06       |       |              |       |
| % Solids                                   | 100    |                    | %     |                |                  |           |                |       |              |       |
| Duplicate (EH60302-DUP1)                   | Sou    | rce: 6H02001-      | -01   | Prepared: (    | 08/02/06         | Analyzed: | 08/03/06       |       |              |       |
| % Solids                                   | 99.5   |                    | %     |                | 99.4             |           |                | 0.101 | 20           |       |
| Batch EH60307 - Water Extraction           |        |                    |       |                |                  |           |                |       |              |       |
| Blank (EH60307-BLK1)                       |        |                    |       | Prepared: (    | 08/02/06         | Analyzed: | 08/04/06       |       |              |       |
| Sulfate                                    | ND     | 0.500              | mg/kg |                |                  |           |                |       |              |       |
| Chloride                                   | ND     | 0.500              | *     |                |                  |           |                |       |              |       |
| LCS (EH60307-BS1)                          |        |                    |       | Prepared: (    | 08/02/06         | Analyzed: | 08/04/06       |       |              |       |
| Chloride                                   | 8.90   | 0.500              | mg/kg | 10.0           |                  | 89.0      | 80-120         |       |              |       |
| Sulfate                                    | 9.47   | 0.500              | "     | 10.0           |                  | 94.7      | 80-120         |       |              |       |
| Calibration Check (EH60307-CCV1)           |        |                    |       | Prepared: (    | 08/02/06         | Analyzed: | 08/04/06       |       |              |       |
| Chloride                                   | 10.1   |                    | mg/L  | 10.0           |                  | 101       | 80-120         |       |              |       |
| Sulfate                                    | 9.57   |                    | "     | 10.0           |                  | 95.7      | 80-120         |       |              |       |
| Duplicate (EH60307-DUP1)                   | Sou    | rce: 6H01008-      | -03   | Prepared: (    | 08/02/06         | Analyzed: | 08/04/06       |       |              |       |
| Sulfate                                    | 327    | 10.0               | mg/kg |                | 325              |           |                | 0.613 | 20           |       |
| Chloride                                   | 7.30   | 10.0               | н     |                | 9.22             |           |                | 23.2  | 20           | S-08, |
| Duplicate (EH60307-DUP2)                   | Sou    | rce: 6H01009-      | -06   | Prepared: (    | 08/02/06         | Analyzed: | 08/04/06       |       |              |       |
| Sulfate                                    | 30.1   | 5.00               | mg/kg |                | 30.1             |           |                | 0.00  | 20           |       |
| Chloride                                   | 13.3   | 5.00               | *1    |                | 13.3             |           |                | 0.00  | 20           |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558

 $\{t_{i}^{(1)}\}_{i \in I}$ •

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

Eunice NM, 88231

# General Chemistry Parameters by EPA / Standard Methods - Quality Control

# Environmental Lab of Texas

| Analyte                             | e<br>V                                   | Result | Reporting<br>Limit | Units   | Spike<br>Level                     | Source<br>Result | %REC          | %REC<br>Limits | RPD | RPD<br>Limit  | Notes          |
|-------------------------------------|--|--------|--------------------|---------|------------------------------------|------------------|---------------|----------------|-----|---------------|----------------|
| Batch EH60307 - Water Extr          | raction                                  |        |                    |         |                                    |                  |               |                |     |               | · · · · ·      |
| Matrix Spike (EH60307-MS1)          | y and a second                           | Sou    | rce: 6H01008       | -03     | Prepared: (                        | )8/02/06 A       | nalyzed: 0    | 8/04/06        |     |               | -              |
| Chloride                            |  | 221    | 10.0               | mg/kg   | 200                                | 9.22             | 106           | 80-120         |     |               | • *            |
| Sulfate                             | e e de                                   | 539    | 10.0               | •       | 200                                | 325              | 107           | 80-120         |     |               |                |
| Matrix Spike (EH60307-MS2)          |  |        | rce: 6H01009       |         | Prepared: (                        |                  | ·····         |                |     |               |                |
| Chloride                            |  | 109    | 5.00               | mg/kg   | 100                                | 13.3             | 95.7<br>80.0  | 80-120<br>     |     | 1             | • 1,           |
| Sulfate                             | مب الجار م المراج<br>الم الج             | 120    | 5.00               |         | 100                                | 30.1             | <b>69.9</b>   | . 80-120       |     |               | •              |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               | 1 g            |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     | . 61° 4.                                 | ,      | e • a              |         |                                    |                  |               |                | ,   |               | , <sub>-</sub> |
|                                     | · ·                                      |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     | · · · , · ·                              |        |                    |         |                                    |                  |               |                | •   | .'            | . <del>(</del> |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                | ,   |               |                |
|                                     | 1  | · .    |                    |         |                                    |                  |               |                |     | • •           |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                | ÷   | - :           |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
| х <sup>1</sup> е                    |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
|                                     |  |        |                    |         |                                    |                  |               |                |     |               |                |
| Environmental Lab of Texas          | an a | I      |                    |         | esults in this re                  |                  |               |                |     |               | les            |
| алан (с. 1917).<br>Стала (с. 1917). | 24<br>14                                 |        | ·                  | receiv  | ed in the labor<br>vritten approva | atory. This a    | nalytical reț | oort must be r |     | its entirety, |                |
| x - 1                               |  |        |                    | ••••••• |                                    | ,                |               | , ,            |     | ł             | Page 10 of 1   |

#### **Notes and Definitions**

S-08 Value outside Laboratory historical or method prescribed QC limits.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Raland K Just Date:

Date:

8/8/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

# **Environmental Plus, Inc.**

| 2100 Avenue O, Eunice, NM 88231<br>(505) 304-3481 EAY (505) 304-35 | Eunice, NM 88231<br>FAX: (505) 394-2501 | M 88231<br>394-2601         | P.O.          | Box                | 155     | 8° EI  | Box 1558, Eunice, NM 88231 | ŝ, M | <i>#</i> 88. | 231        |          |   |              |                |         |                    |        | 1 of | f 1             |                                       |           | ., .                                  |
|--|---|-----------------------------|---------------|--------------------|---------|--------|----------------------------|------|--------------|------------|----------|---|--------------|----------------|---------|--------------------|--------|------|-----------------|---------------------------------------|-----------|---------------------------------------|
| 10   |   | Environmental Plus, Inc.    | i, Inc.       |                    |         |        |                            |      |              |            | BILTO    | Eo E  |              |                |         | <b>NN</b>          |        | i Si | ANALYSIS REGUES | EST                                   |           |                                       |
| EPI Project Manager  | ager                                    | Jason Stegemolier           |               | l                  |         |        |                            |      |              |            |          |   |              |                | -       | -                  | -      |      |                 | -                                     |           |                                       |
| Mailing Address  |   | P.O. BOX 1558               |               |                    |         |        |                            |      |              |            |          |   |              |                |         |                    |        |      |                 |                                       |           | -                                     |
| City, State, Zip   |   | Eunice New Mexico 8823      |               | -                  |         |        |                            |      |              | 1          | Ę        | لمر   |              | اليديد ما فا   |         |                    | _      |      |                 |                                       |           |                                       |
| EPI Phone#/Fax#  |   | 505-394-3481 / 505-394-2601 | 394-21        | Ĩ                  |         |        |                            |      |              | M          | 0<br>    | Щ.  |              |                |         |                    |        |      |                 |                                       |           |                                       |
| <b>Client Company</b>  |   | Apache Corporation          |               |                    |         |        |                            |      |              |            | F        | -   |              |                |         |                    |        |      |                 |                                       |           | <u> </u>                              |
| Facility Name  |   | N. Mon. Grayburg SA 603     | A 603         |                    |         | -      |                            |      |              |            |          | r   |              | _              |         |                    |        | _    | -               |                                       |           |                                       |
| Location   |   | UL-C, Sec 20, T19S, R37     |               | ш                  |         |        |                            |      | Ā            | ttn: I     | lain     | Attn: Iain Olness                           |              |                | -       |                    |        |      |                 | • • • • •                             |           |                                       |
| <b>Project Reference</b>   |   | 240014                      |               |                    |         |        |                            |      |              | 0.0        | â        | P.O. Box 1558                               |              |                |         |                    | ,      |      |                 |                                       |           |                                       |
| <b>EPI Sampler Name</b>  |   | George Blackburn            |               |                    |         |        | i                          |      | Щ            | inice      | Ž        | Eunice, NM 88231                            |              |                |         |                    |        |      |                 |                                       | :         |                                       |
|  |   | 1 <b>1</b>                  | Ē             | $\vdash$           |         | MATRIX | Ň                          |      |              | PRESERV.   | <u>ک</u> | SAMPLING                                    | 5<br>V       |                |         |                    |        |      |                 | -                                     | :'        |                                       |
|  |   |                             |               |                    |         |        |                            |      |              |            |          |   |              | ومراوي المراجع |         |                    | ( too) |      |                 | • • • • • • • • • • • • • • • • • • • | · .       |                                       |
| POOLOH !!  | Ölgen av                                |                             | RO BAR        | NIATNO:<br>N GNUOF | AWATSA  |        |                            | UDGE | :ID/BY2E     | 1000/3     | HEB      |   |              | EX 8051        | H 8012W | ILORIDE:<br>SETA7J |        | ۲b   | H3H             |                                       | 4,194<br> | · · · · · · · · · · · · · · · · · · · |
|  | ( BH-15 (6")                            |                             |               |                    |         | os –   |                            | _    |              | _          |          | DATE<br>01-Aug-06                           | TIME<br>8:55 |                |         |                    | Hq     |      |                 | Aq                                    |           |                                       |
| -61/ 2   | 2 BH-16 (6")                            |                             | σ             | ┝                  |         | F      | E                          | ┢─   | ┢──          | ×          |          | 01-Aug-06                                   | 10:10        |                |         | ┣━                 |        | L    |                 | ╁╴                                    | -         |                                       |
| -02  | 3 BH-17(6")                             |                             | ច             |                    |         | -      |                            | Η    | Н            | ×          |          | 01-Aug-06                                   | 11:25        |                |         | ××                 |        |      |                 |                                       |           |                                       |
| 101  | 4 BH-18 (6")                            | -                           | G             | -                  |         | 1      |                            |      |              | ×          |          | 01-Aug-06                                   | 13:10        | ×              | X       | хX                 | ;      |      |                 |                                       |           | ŀ                                     |
| 2<br>4<br>4  | 5 BH-19 (6")                            |                             | g             | -                  |         | 1      |                            |      | _            | ×          |          | 01-Aug-06                                   | 14:25        | ×              | X       | XX                 |        |      |                 | Н                                     |           |                                       |
| , 000 v  | 6 BH-20 (6")                            | ·                           | G             | -                  |         | -      |                            |      |              | ×          |          | 01-Aug-06                                   | 15:25        | ×              | XX      | Ň                  | • •    |      |                 |                                       |           | •                                     |
| . 7  |   |                             |               | -                  |         |        |                            |      |              |            |          |   |              |                | Η       |                    |        |      |                 | -                                     |           |                                       |
| 8  |   |                             |               |                    |         |        |                            | -    | _            |            |          |   |              |                |         |                    | 1      |      |                 | _                                     |           |                                       |
| 6  |   |                             | _             |                    |         |        |                            |      |              |            |          |   |              |                | Ĥ       |                    | 4.     |      |                 | 1                                     |           |                                       |
| 10   |   |                             |               | -                  |         |        | _                          | -    | _            | _          |          |   |              |                |         |                    | .: •   |      |                 |                                       |           |                                       |
|  |   |                             |               |                    |         |        |                            |      |              |            |          |   |              |                |         |                    |        |      |                 |                                       |           |                                       |
| Sampler Relinquished:  |   | Dette                       | Receiv        | ed By:             |         |        |                            |      |              | цч<br>Ш    | nail r   | E-mail results to: jstegemoller@envplus.net | moller@en    | -plu           | 3.net   |                    |        |      |                 |                                       | ľ         |                                       |
| - 1  | •                                       |                             |               |                    |         |        |                            | ļ    |              | ò<br>Ž     | NOTES:   | et,   | ١,           |                |         | ;                  |        |      |                 | •                                     |           |                                       |
| Relinquished by:   | •.                                      | Party 2. CC                 | A Contraction | red By: (ab shaft) | la dis) | fin (  |                            | ٢    |              | (distantes | dro-     | - Cross                                     |              |                |         | •••                |        |      |                 |                                       | ,         |                                       |

.e. \*

 $(x,y) \in \mathcal{Y}_{\ell}$ 

Π  $\Box$ Ĩ []. Ú  $\square$  $\square$ 

0 30

toz glase z jer seel

jecked By:

Sample Cool & Intact

ç

ved By: (lab stat inca

Nered by

Chain of Custody Form

# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

| ent:       | EPI          |
|------------|--------------|
| ite/ Time: | R/2/06 11:15 |
| b ID # :   | 6H02007      |
| tials:     | UK           |

# Sample Receipt Checklist

÷ .

|    |  |            |    | Client Initials          |
|----|--|------------|----|--------------------------|
|    | Temperature of container/ cooler?                      | Yes        | No | 2,0 °C                   |
| !  | Shipping container in good condition?                  | <b>Kes</b> | No |                          |
| }  | Custody Seals intact on shipping container/ cooler?    | Yes        | No | Not Present,             |
| Ŧ  | Custody Seals intact on sample bottles/ container?     | Yes        | No | Not Present              |
| 5  | Chain of Custody present?                              | Yos        | No |                          |
| 3  | Sample instructions complete of Chain of Custody?      | Xes        | No |                          |
| 7  | Chain of Custody signed when relinquished/ received?   | Tes        | No |                          |
| 3  | Chain of Custody agrees with sample label(s)?          | tes        | No | ID written on Cont./ Lid |
| 3  | Container label(s) legible and intact?                 | Yes        | No | Not Applicable           |
| 10 | Sample matrix/ properties agree with Chain of Custody? | Xas        | No |                          |
| 11 | Containers supplied by ELOT?                           | (Xes       | No |                          |
| 12 | Samples in proper container/ bottle?                   | Xes        | No | See Below                |
| 13 | Samples properly preserved?                            | Yes        | No | See Below                |
| 14 | Sample bottles intact?                                 | Yes        | No |                          |
| 15 | Preservations documented on Chain of Custody?          | Yes        | No |                          |
| 16 | Containers documented on Chain of Custody?             | XE8        | No |                          |
| 17 | Sufficient sample amount for indicated test(s)?        | Tes        | No | See Below                |
| 18 | All samples received within sufficient hold time?      | Yes        | No | See Below                |
| 19 | VOC samples have zero headspace?                       | (Ves)      | No | Not Applicable           |

# Variance Documentation

| Contact:                |     | Contacted by:  | Date/ Time: | ite/ Time:                             |  |  |
|-------------------------|-----|--|-------------|--|--|--|
| Regarding:              |     |  |             |  |  |  |
| Corrective Action Taker | ר.  |  |             |  |  |  |
|                         | · . |  |             | ······································ |  |  |
| Check all that Apply:   |     | See attached e-mail/ fax<br>Client understands and would li<br>Cooling process had begun sho |             |  |  |  |

Cooling process had begun shortly after sampling event



#### 12600 West I-20 East - Odessa, Texas 79765

# Analytical Report

Prepared for: Jason Stegemoller Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Location: EUL-C, Sec. 20, T19S, R37E

Lab Order Number: 6H08004

Report Date: 08/10/06

.

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| BH-21 6"  | 6H08004-01    | Soil   | 08/02/06 08:15 | 08-08-2006 10:40 |
| BH-22 6"  | 6H08004-02    | Soil   | 08/02/06 09:50 | 08-08-2006 10:40 |
| BH-23 6"  | 6H08004-03    | Soil   | 08/02/06 12:00 | 08-08-2006 10:40 |
| BH-24 6"  | 6H08004-04    | Soil   | 08/02/06 13:30 | 08-08-2006 10:40 |
| BH-25 6"  | 6H08004-05    | Soil   | 08/02/06 14:35 | 08-08-2006 10:40 |
| BH-26 6"  | 6H08004-06    | Soil   | 08/02/06 15:06 | 08-08-2006 10:40 |

| Environmental Plus, Incorporated      | 1                                     |                    | Project: Apac                 |              | on. Graybur    | g SA 603                               | : .              | Fax: 505                              | 5-394-2601 |
|---------------------------------------|---------------------------------------|--------------------|-------------------------------|--------------|----------------|--|------------------|---------------------------------------|------------|
| P.O. Box 1558<br>Eunice NM, 88231     |                                       |                    | lumber: 2400<br>anager: Jason |              | oller          |  |                  | , 4 .                                 |            |
|                                       |                                       | к                  | rganics by                    |              | <u> </u>       | · **** · · · · · · · · · · · · · · · · |                  |                                       |            |
| , <b>.</b> .                          | · · · · ·                             |                    | mental La                     |              | 282            |  |                  |                                       |            |
| · · · · · · · · · · · · · · · · · · · | . *                                   | ·. ·               |                               |              |                |  |                  | · · · · · · · · · · · · · · · · · · · |            |
| Analyte                               | Result                                | Reporting<br>Limit | Units                         | Dilution     | Batch          | Prepared                               | Analyzed         | Method                                | Notes      |
| BH-21 6" (6H08004-01) Soil            | · · · · · · · · · · · · · · · · · · · |                    |                               |              |                | · · · · · ·                            |                  |                                       | £ ,        |
| Benzene                               | ND                                    | 0.0250             | _mg/kg dry                    | 25           | EH60809        | 08/08/06                               | 08/09/06         | EPA 8021B.                            |            |
| Toluene                               | ND                                    | 0.0250             | н —                           | н            | **             | "                                      | **               | 19                                    | ,          |
| Ithylbenzene                          | ND                                    | 0.0250             | i dan<br>M                    | n            |                | н                                      | **               |                                       | • •        |
| (ylene (p/m)                          | ND                                    | 0.0250             | · 11                          | "            | "              | н                                      | H                | н                                     |            |
| (ylene (o)                            | ND                                    | 0.0250             | н                             | Ħ            |                | н                                      | м                | u                                     |            |
| Surrogate: a,a,a-Trifluorotoluene     |                                       | 98.5 %             | 80-120                        | 0            | "              | п                                      | "                |                                       |            |
| Surrogate: 4-Bromofluorobenzene       |                                       | 89.5 %             | 80-120                        |              | "              | "                                      | "                | "                                     |            |
| Carbon Ranges C6-C12                  | 13.4                                  | 10.0               | mg/kg dry                     | 1            | EH60808        | 08/08/06                               | 08/08/06         | EPA 8015M                             |            |
| Carbon Ranges C12-C28                 | 57.8                                  | 10.0               | " " "                         | 1            | EH00000        | U8/U8/U0<br>"                          | 08/08/00         | "                                     |            |
| Carbon Ranges C28-C35                 | ND                                    | 10.0               | 11                            | "            | п              | *                                      |                  |                                       |            |
| Fotal Hydrocarbons                    | 71.2                                  | 10.0               | н                             | н            | *              | и                                      | и                | и                                     |            |
| urrogate: 1-Chlorooctane              |                                       | 125 %              | 70-130                        | <br>າ        | "              | "                                      | ,,               | "                                     |            |
| Surrogate: 1-Chlorooctadecane         |                                       | 125 %              | 70-130                        |              | "              | "                                      | "                | "                                     |            |
| 3H-22 6" (6H08004-02) Soil            |                                       |                    |                               |              |                |  |                  |                                       |            |
| Senzene                               | ND                                    |                    | mg/kg dry                     | 25           | EH60809        | 08/08/06                               | 08/09/06         | EPA 8021B                             |            |
| oluene                                | ND                                    | 0.0250             |                               |              |                |  |                  |                                       |            |
| Sthylbenzene                          | ND                                    | 0.0250             |                               |              |                |  |                  |                                       |            |
| (ylene (p/m)                          | ND                                    | 0.0250             |                               |              |                |  | "                |                                       |            |
| (ylene (o)                            | ND                                    | 0.0250             |                               |              |                |  |                  | ·                                     |            |
| urrogate: a,a,a-Trifluorotoluene      |                                       | 89.8 %             | 80-120                        |              | n              | "                                      | "                | "                                     |            |
| Surrogate: 4-Bromofluorobenzene       |                                       | 84.2 %             | 80-120                        |              | "              | "                                      | "                | "<br>ED. 001616                       |            |
| Carbon Ranges C6-C12                  | ND                                    |                    | mg/kg dry                     | 1            | EH60808<br>"   | 08/08/06                               | 08/08/06         | EPA 8015M                             |            |
| Carbon Ranges C12-C28                 | ND                                    | 10.0               |                               |              |                |  |                  |                                       |            |
| Carbon Ranges C28-C35                 | ND                                    | 10.0               |                               |              | "<br>"         |  |                  |                                       |            |
| Total Hydrocarbons                    | ND                                    | 10.0               |                               |              |                |  |                  |                                       |            |
| Surrogate: 1-Chlorooctane             |                                       | 120 %              | 70-130                        |              | n              | n                                      | п                | "                                     |            |
| Surrogate: 1-Chlorooctadecane         |                                       | 117 %              | 70-130                        | 0            | "              | "                                      | "                | и                                     |            |
| BH-23 6" (6H08004-03) Soil            |                                       |                    |                               |              |                |  |                  |                                       |            |
| Benzene                               | ND                                    | 0.0250             | mg/kg dry                     | 25           | EH60809        | 08/08/06                               | 08/09/06         | EPA 8021B                             |            |
| Toluene                               | ND                                    | 0.0250             | n                             | н            | "              | "                                      | "                | *                                     |            |
| thylbenzene                           | ND                                    | 0.0250             | H                             | u            | "              | *                                      | n                | **                                    |            |
| (ylene (p/m)                          | ND                                    | 0.0250             | н                             | н            | н              | *                                      | 11               |                                       |            |
| (o)                                   | ND                                    | 0.0250             | н                             | "            | "              | n<br>                                  |                  | H                                     |            |
| Surrogate: a,a,a-Trifluorotoluene     |                                       | 97.0 %             | 80-120                        | 0            | "              | "                                      | "                | "                                     |            |
| Surrogate: 4-Bromofluorobenzene       |                                       | 91.8 %             | 80-120                        | 0            | "              | "                                      | "                | "                                     |            |
| Carbon Ranges C6-C12                  | ND                                    | 10.0               | mg/kg dry                     | 1            | EH60808        | 08/08/06                               | 08/08/06         | EPA 8015M                             |            |
| Environmental Lab of Texas            | ,                                     | ·                  | The resul                     | ts in this r | eport apply to | the samples an                         | alyzed in accord | ance with the sam                     | oles       |
|                                       |                                       |                    |                               |              |                |  |                  | iced in its entirety,                 |            |

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

ſ

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

### Organics by GC

### **Environmental Lab of Texas**

| Analyte                           | Result | Reporting<br>Limit | Units     | Dilution | Batch   | Prepared | Analyzed  | Method    | Notes |
|-----------------------------------|--------|--------------------|-----------|----------|---------|----------|-----------|-----------|-------|
| BH-23 6" (6H08004-03) Soil        |        |                    |           |          | Batch   | riepareu | Allaryzeu |           |       |
| Carbon Ranges C12-C28             | ND     | 10.0               | mg/kg dry |          | EH60808 | 08/08/06 | 08/08/06  | EPA 8015M |       |
| Carbon Ranges C28-C35             | ND     | 10.0               | "         |          |         |          |           | "         |       |
| Total Hydrocarbons                | ND     | 10.0               | "         | "        | 11      |          | "         | "         |       |
| Surrogate: 1-Chlorooctane         |        | 130 %              | 70-13     | 0        | "       | "        | "         | "         |       |
| Surrogate: 1-Chlorooctadecane     |        | 121 %              | 70-13     | 0        | n       | "        | "         | "         |       |
| BH-24 6" (6H08004-04) Soil        |        |                    |           |          |         |          |           |           |       |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EH60809 | 08/08/06 | 08/08/06  | EPA 8021B |       |
| Toluene                           | ND     | 0.0250             | "         | "        | "       | 11       | "         | **        |       |
| Ethylbenzene                      | ND     | 0.0250             | "         | "        | 11      | "        | "         |           |       |
| Xylene (p/m)                      | 0.0361 | 0.0250             | 11        | "        |         | н        | "         | 16        |       |
| Xylene (o)                        | ND     | 0.0250             | и         | Ħ        | н       | 11       |           | "         |       |
| Surrogate: a,a,a-Trifluorotoluene |        | 98.8 %             | 80-12     | 0        | "       | "        | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |        | 87.5 %             | 80-12     | 0        | "       | "        | "         | *1        |       |
| Carbon Ranges C6-C12              | ND     | 10.0               | mg/kg dry | 1        | EH60808 | 08/08/06 | 08/08/06  | EPA 8015M |       |
| Carbon Ranges C12-C28             | ND     | 10.0               |           | н        | н       | u        | "         | н         |       |
| Carbon Ranges C28-C35             | ND     | 10.0               |           | ч        | "       | м        | 11        | u         |       |
| Total Hydrocarbons                | ND     | 10.0               | 0         | "        | "       | "        | "         | "         |       |
| Surrogate: 1-Chlorooctane         |        | 129 %              | 70-13     | 0        | ."      | "        | "         | "         |       |
| Surrogate: 1-Chlorooctadecane     |        | 117 %              | 70-13     | 0        | "       | "        | "         | "         |       |
| BH-25 6" (6H08004-05) Soil        |        |                    |           |          |         |          |           |           |       |
| Benzene                           | ND     | 0.0250             | mg/kg dry | 25       | EH60809 | 08/08/06 | 08/08/06  | EPA 8021B |       |
| Toluene                           | ND     | 0.0250             | "         | и        | "       | n        | "         | н         |       |
| Ethylbenzene                      | ND     | 0.0250             |           | "        | "       | н        | "         | "         |       |
| Xylene (p/m)                      | ND     | 0.0250             | 11        | "        | "       | н        | *         | "         |       |
| Xylene (o)                        | ND     | 0.0250             | "         | "        | н       |          | "         | "         |       |
| Surrogate: a,a,a-Trifluorotoluene |        | 85.0 %             | 80-12     | 0        | "       | "        | "         | "         |       |
| Surrogate: 4-Bromofluorobenzene   |        | 81.5 %             | 80-12     | 0        | "       | "        | "         | "         |       |
| Carbon Ranges C6-C12              | ND     | 10.0               | mg/kg dry | 1        | EH60808 | 08/08/06 | 08/08/06  | EPA 8015M |       |
| Carbon Ranges C12-C28             | ND     | 10.0               | н         | *1       | н       |          | "         | "         |       |
| Carbon Ranges C28-C35             | ND     | 10.0               | н         | n        | н       | "        | n         | "         |       |
| Total Hydrocarbons                | ND     | 10.0               | 11        | n        | "       | "        | 11        | н         |       |
| Surrogate: 1-Chlorooctane         |        | 125 %              | 70-13     | 0        | "       | "        | "         | "         |       |
| Surrogate: 1-Chlorooctadecane     |        | 117 %              | 70-13     | 0        | "       | "        | "         | "         |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231

rated

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

Fax: 505-394-2601

× . ,

# • Organics by GC

## **Environmental Lab of Texas**

| A 1. 4.                           | <b>D</b> . 1 | Reporting |                    | .*       |         |                              |             |            | ;  |
|-----------------------------------|--------------|-----------|--------------------|----------|---------|------------------------------|-------------|------------|--|
| Analyte                           | Result       | Limit     | Units              | Dilution | Batch   | <ul> <li>Prepared</li> </ul> | i Analyzed  | Method     | Note   |
| BH-26 6" (6H08004-06) Soil        |              | <u></u>   |                    |          |         |                              | `           | ·          | · · · · · · · · · · · · · · · · · · ·                        |
| Benzene                           | ND ND        | 0.0250    | mg/kg dry          | 25       | EH60809 | 08/08/06                     | 08/08/06    | EPA 8021B  |  |
| Toluene                           | ND           | 0.0250    |                    |          | •       |                              | "           | · • •      | s. (   |
| Ethylbenzene                      | ND           | 0.0250    |                    | . 11     | н.,     | . "                          | "           | н          | + i  |
| Xylene (p/m)                      | ND           | 0.0250    | u                  | "        | "       | н                            | "           | н.         |  |
| Xylene (o)                        | ND           | 0.0250    | . "                | *        | "       |                              | ۳           | н.         | · · ·  |
| Surrogate: a,a,a-Trifluorotoluene |              | 101 %     | 80-12              | 0        | "       | "                            | "           | "          |  |
| Surrogate: 4-Bromofluorobenzene   |              | 93.0 %    | 80-12              | 0        | ".      | "                            | "           | "          |  |
| Carbon Ranges C6-C12              | <b>ND</b>    | 10.0      | mg/kg dry          | . 1      | EH60808 | 08/08/06                     | 08/08/06    | EPA 8015M  |  |
| Carbon Ranges C12-C28             | ND           | 10.0      | **                 | "        | •       | "                            | "           | u          |  |
| Carbon Ranges C28-C35             | ND           | 10.0      | • :                |          | "       | "                            | "           | ۰.         | 11 - L   |
| Total Hydrocarbons                | ND           | 10.0      |                    |          | "       | 11                           | "           | 11         | ·· , *   |
| Surrogate: 1-Chlorooctane         |              | 121 %     | 70-13              | 0        | "       | "                            | "           | "          |  |
| Surrogate: 1-Chlorooctadecane     |              | 113 %     | 70-13              | 0        | "       | "                            | <b>"</b>    | "          | · · · ·  |
|                                   |              |           |                    | ÷        |         |                              | • · · · · · | r          | ${\cal L}_{\rm eff} = {\cal L}_{\rm eff} {\cal L}_{\rm eff}$ |
| · · · · · · ·                     |              |           | $(0, \dots, 0, n)$ |          |         |                              |             |            |  |
|                                   |              |           | · ·                |          |         |                              |             |            | e.<br>E  |
|                                   |              |           |                    |          |         |                              |             | . •        |  |
|                                   |              |           |                    | •        |         |                              |             |            | Ť  |
|                                   |              |           |                    |          |         |                              |             |            | ,  |
|                                   |              |           |                    |          |         |                              |             |            |  |
|                                   |              |           |                    |          |         |                              |             |            |  |
|                                   |              |           |                    |          |         |                              | · · · ·     |            | 1. 11<br>1   |
|                                   | 1. e         |           |                    |          |         |                              |             |            | 4 2 1  |
|                                   |              |           |                    |          |         |                              |             |            |  |
|                                   |              |           |                    |          |         |                              |             |            | 1.12   |
|                                   |              |           |                    |          |         |                              |             |            | $(a,b) \in [0,b]$  |
|                                   |              |           |                    |          |         |                              |             |            | e ta t   |
|                                   |              |           |                    |          |         |                              |             | 4 ×        |  |
|                                   |              |           |                    |          |         |                              |             | s          | W.   |
|                                   | ¢.,          |           |                    |          |         |                              |             | · · ·      | e ja 1777  |
|                                   |              |           |                    | ,        |         |                              |             |            | ı  |
|                                   |              |           |                    |          |         |                              |             | - ·<br>• , | * ti.  |
|                                   |              |           |                    |          |         |                              |             | · . *      | ۲.   |
|                                   |              |           |                    |          |         |                              |             |            | <b>,</b> •••   |
|                                   |              |           |                    |          |         |                              |             |            |  |

Environmental Lab of Texas

τ.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 11

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

## General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

|                             |                                       | Reporting |       |          |         |          |          |               |      |
|-----------------------------|---------------------------------------|-----------|-------|----------|---------|----------|----------|---------------|------|
| Analyte                     | Result                                | Limit     | Units | Dilution | Batch   | Prepared | Analyzed | Method        | Note |
| BH-21 6" (6H08004-01) Soil  | · · · · · · · · · · · · · · · · · · · |           |       |          |         |          |          |               |      |
| Chloride                    | 920                                   | 25.0      | mg/kg | 50       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 14.4                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 168                                   | 25.0      | mg/kg | 50       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| BH-22 6" (6H08004-02) Soil  |                                       |           |       |          | -       | -        |          |               |      |
| Chloride                    | 976                                   | 25.0      | mg/kg | 50       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 12.0                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 121                                   | 25.0      | mg/kg | 50       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| BH-23 6'' (6H08004-03) Soil |                                       |           |       |          |         |          |          |               |      |
| Chloride                    | 6.09                                  | 5.00      | mg/kg | 10       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 10.9                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 17.6                                  | 5.00      | mg/kg | 10       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| BH-24 6'' (6H08004-04) Soil |                                       |           |       |          |         |          |          |               |      |
| Chloride                    | 705                                   | 20.0      | mg/kg | 40       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 10.1                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 65.3                                  | 20.0      | mg/kg | 40       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| BH-25 6'' (6H08004-05) Soil |                                       |           |       |          |         |          |          |               |      |
| Chloride                    | 1250                                  | 50.0      | mg/kg | 100      | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 10.2                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 2380                                  | 50.0      | mg/kg | 100      | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| BH-26 6'' (6H08004-06) Soil |                                       |           |       |          |         |          | <u>.</u> |               |      |
| Chloride                    | 136                                   | 10.0      | mg/kg | 20       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |
| % Moisture                  | 12.8                                  | 0.1       | %     | 1        | EH60906 | 08/08/06 | 08/09/06 | % calculation |      |
| Sulfate                     | 151                                   | 10.0      | mg/kg | 20       | EH60812 | 08/08/06 | 08/08/06 | EPA 300.0     |      |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

| Environmental Plus, Incorporated<br>P.O. Box 1558<br>Eunice NM, 88231 |                       |        | Project N          | umber: 24   |                | n. Grayburg SA 603    | •              | ν" γε - ι | Fax: 50      | 5-394-2601                            |
|---|-----------------------|--------|--------------------|-------------|----------------|-----------------------|----------------|-----------|--------------|---------------------------------------|
| . :   | · · ·                 | Or     | ganics by          | y GC - Q    | Quality Co     | ontrol                |                |           |              |                                       |
|   |                       | ]      | Environi           | mental L    | ab of Te       | xas                   |                |           |              |                                       |
| Analyte   | · · ·                 | Result | Reporting<br>Limit | Units       | Spike<br>Level | Source<br>Result %REC | %REC<br>Limits | RPD       | RPD<br>Limit | Notes                                 |
| Batch EH60808 - EPA 5030C (GC)  |                       |        |                    | . •-        | • .            |                       | a              | en en en  |              |                                       |
| Blank (EH60808-BLK1)  | Sec. 1                |        |                    |             | Prepared &     | Analyzed: 08/08/06    |                |           |              | 1989 <del>8</del>                     |
| Carbon Ranges C6-C12  | · ·                   | ND     | 10.0               | mg/kg wet   |                |                       |                |           |              |                                       |
| Carbon Ranges C12-C28   | 1.1.1                 | ND     | 10.0               | · 11        |                |                       |                |           |              |                                       |
| Carbon Ranges C28-C35   |                       | ND     | 10.0               | п           |                |                       |                |           |              |                                       |
| fotal Hydrocarbons  |                       | ND     | 10.0               | *           |                |                       |                |           |              | a a a                                 |
| Surrogate: 1-Chlorooctane   | *                     | 58.0   |                    | mg/kg       | 50.0           |                       | 70-130         |           |              |                                       |
| Surrogate: 1-Chlorooctadecane   |                       | 55.6   |                    | "           | 50.0           | . 111                 | 70-130         |           |              | t inter                               |
| LCS (EH60808-BS1)   | 1 at 51               |        |                    | 5           | Prepared &     | z Analyżed: 08/08/06  |                |           |              |                                       |
| Carbon Ranges C6-C12  |                       | 483    | 10.0               | mg/kg wet   | 500            | 96.6                  | 75-125         |           |              |                                       |
| Carbon Ranges C12-C28   |                       | 426    | 10.0               | "           | 500            | 85.2                  | 75-125         | an da s   | ( A. 1)      | · ·                                   |
| Carbon Ranges C28-C35   |                       | ND     | 10.0               |             | 0.00           |                       | 75-125         |           |              | ,                                     |
| otal Hydrocarbons   |                       | 909    | 10.0               | н           | 1000           | 90.9                  | 75-125         |           |              |                                       |
| urrogate: 1-Chlorooctane  |                       | 63.2   |                    | mg/kg       | 50.0           | 126                   | 70-130         |           |              | · · · · · · · · · · · · · · · · · · · |
| urrogate: I-Chlorooctadecane  | . U . ,               | 56.3   |                    | "           | 50.0           | 113                   | 70-130         |           |              | · •                                   |
| Calibration Check (EH60808-CCV1)                                      |                       |        |                    |             | Prepared &     | Analyzed: 08/08/06    |                | · · · ·   | · · ·        | 1.11 C                                |
| Carbon Ranges C6-C12  |                       | 215    | •                  | mg/kg       | 250            | 86.0                  | 80-120         |           |              |                                       |
| Carbon Ranges C12-C28   |                       | 224    |                    | "           | 250            | 89.6                  | 80-120         |           |              | '                                     |
| otal Hydrocarbons   | s. 1                  | 439    |                    | "           | 500            | 87.8                  | 80-120         |           |              |                                       |
| urrogate: 1-Chlorooctane  | Jacob Sa              | 64.1   |                    | "           | 50.0           | 128                   | 70-130         |           |              | · · ·                                 |
| urrogate: 1-Chlorooctadecane  |                       | 62.2   |                    | "           | 50.0           | 124                   | 70-130         |           | <u>t</u>     |                                       |
| Matrix Spike (EH60808-MS1)  |                       | Sourc  | e: 6H08003         | 3-02        | Prepared &     | : Analyzed: 08/08/06  | • •            |           | •            | • •                                   |
| Carbon Ranges C6-C12  |                       | 597    | 10.0               | mg/kg dry   | 561            | ND 106                | 75-125         |           |              | .'                                    |
| Carbon Ranges C12-C28   |                       | 520    | 10.0               | "           | 561            | ND 92.7               | 75-125         |           |              | . *                                   |
| Carbon Ranges C28-C35   | <ul> <li>G</li> </ul> | ND     | 10.0               | . <b>!!</b> | 0.00           | ND                    | 75-125         |           |              |                                       |
| Total Hydrocarbons  |                       | 1120   | 10.0               | u           | 1120           | ND 100                | 75-125         |           |              |                                       |
| Surrogate: 1-Chlorooctane   |                       | 64.9   |                    | mg/kg       | 50.0           | 130                   | 70-130         |           | • • • •      |                                       |
| Surrogate: 1-Chlorooctadecane   |                       | 63.8   | -                  | "           | 50.0           | 128                   | 70-130         | ·         | ·            | . *                                   |
| g · ··  |                       | ۰.     |                    |             |                | · .                   |                |           | ,            | ·                                     |

Environmental Lab of Texas 12.1 1. de

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

# **Organics by GC - Quality Control**

### **Environmental Lab of Texas**

|                                   |        | Reporting   |           | Spike      | Source      |          | %REC   |      | RPD   |       |
|-----------------------------------|--------|-------------|-----------|------------|-------------|----------|--------|------|-------|-------|
| Analyte                           | Result | Limit       | Units     | Level      | Result      | %REC     | Limits | RPD  | Limit | Notes |
| Batch EH60808 - EPA 5030C (GC)    |        |             |           |            |             |          |        |      |       |       |
| Matrix Spike Dup (EH60808-MSD1)   | Sour   | ce: 6H08003 | 3-02      | Prepared & | & Analyzed: | 08/08/06 |        |      |       |       |
| Carbon Ranges C6-C12              | 585    | 10.0        | mg/kg dry | 561        | ND          | 104      | 75-125 | 2.03 | 20    |       |
| Carbon Ranges C12-C28             | 498    | 10.0        | н         | 561        | ND          | 88.8     | 75-125 | 4.32 | 20    |       |
| Carbon Ranges C28-C35             | ND     | 10.0        | "         | 0.00       | ND          |          | 75-125 |      | 20    |       |
| Total Hydrocarbons                | 1080   | 10.0        | и         | 1120       | ND          | 96.4     | 75-125 | 3.64 | 20    |       |
| Surrogate: 1-Chlorooctane         | 64.1   |             | mg/kg     | 50.0       |             | 128      | 70-130 |      |       |       |
| Surrogate: 1-Chlorooctadecane     | 63.3   |             | "         | 50.0       |             | 127      | 70-130 |      |       |       |
| Batch EH60809 - EPA 5030C (GC)    |        | _           |           |            |             |          |        |      |       |       |
| Blank (EH60809-BLK1)              |        |             |           | Prepared 8 | k Analyzed: | 08/08/06 |        |      |       |       |
| Benzene                           | ND     | 0.0250      | mg/kg wet |            |             |          |        |      |       |       |
| Toluene                           | ND     | 0.0250      | н         |            |             |          |        |      |       |       |
| Ethylbenzene                      | ND     | 0.0250      | н         |            |             |          |        |      |       |       |
| Xylene (p/m)                      | ND     | 0.0250      | ч         |            |             |          |        |      |       |       |
| Xylene (0)                        | ND     | 0.0250      | н         |            |             |          |        |      |       |       |
| Surrogate: a,a,a-Trifluorotoluene | 37.0   |             | ug/kg     | 40.0       |             | 92.5     | 80-120 |      |       |       |
| Surrogate: 4-Bromofluorobenzene   | 33.5   |             | "         | 40.0       |             | 83.8     | 80-120 |      |       |       |
| LCS (EH60809-BS1)                 |        |             |           | Prepared 8 | k Analyzed: | 08/08/06 |        |      |       |       |
| Benzenc                           | 1.24   | 0.0250      | mg/kg wet | 1.25       |             | 99.2     | 80-120 |      |       |       |
| Toluene                           | 1.27   | 0.0250      | и         | 1.25       |             | 102      | 80-120 |      |       |       |
| Ethylbenzene                      | 1.12   | 0.0250      | "         | 1.25       |             | 89.6     | 80-120 |      |       |       |
| Xylene (p/m)                      | 2.78   | 0.0250      | "         | 2.50       |             | 111      | 80-120 |      |       |       |
| Xylene (0)                        | 1.39   | 0.0250      | "         | 1.25       |             | 111      | 80-120 |      |       |       |
| Surrogate: a,a,a-Trifluorotoluene | 34.8   |             | ug/kg     | 40.0       |             | 87.0     | 80-120 |      | ·     |       |
| Surrogate: 4-Bromofluorobenzene   | 36.8   |             | "         | 40.0       |             | 92.0     | 80-120 |      |       |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

Fax: 505-394-2601

. .

# Organics by GC - Quality Control Environmental Lab of Texas

.

| Analyte                       | •••.<br>•  |   | Result | Reporting<br>Limit | Units      | Spike<br>Level | Source<br>Result | %REC            | %REC<br>Limits | RPD   | RPD<br>Limit | Notes    |
|-------------------------------|------------|---|--------|--------------------|------------|----------------|------------------|-----------------|----------------|-------|--------------|----------|
| Batch EH60809 - EPA           | 5030C (GC) |   |        |                    |            |                |                  |                 | · · · ·        | ·     |              |          |
| Calibration Check (EH6        | 0809-CCV1) |   | н. "Д  |                    | • • • •    | 'Prepared &    | & Analyzed       | : 08/08/06      | ÷ .            | •     | ••           |          |
| Benzene                       |            |   | 49.2   |                    | ug/kg      | 50.0           | ··-              | 98.4            | 80-120         |       |              |          |
| Foluene                       |            | ·   | 48.6   |                    | и          | 50.0           |                  | 97.2            | 80-120         |       | •            | 14 - 11  |
| Ethylbenzene                  | 4          |   | 48.4   | 1                  | н .        | 50.0           | ;                | 96.8            | 80-120         |       |              | ••       |
| (ylene (p/m)                  | <u>.</u> • |   | 101    |                    | н          | 100            | 1 e +            | 101             | 80-120         |       | r            |          |
| Kylene (o)                    |            |   | 50.0   | i.                 | . н        | 50.0           | Τ.               | 100             | 80-120         | .1    |              |          |
| urrogate: a,a,a-Trifluorotoh  | uene       |   | 32.8   | •                  | "          | 40.0           | · .              | 82.0            | 80-120         |       | S. 1         | · · ·    |
| urrogate: 4-Bromofluoroben    | izene      |   | 32.1   |                    | "          | 40.0           |                  | 80.2            | 80-120         | di e  | ÷ •          |          |
| Aatrix Spike (EH60809-        | MS1)       | •   | So     | urce: 6H07012      | 2-01       | Prepared &     | k Analyzed       | : 08/08/06      | • •            |       |              | •        |
| Benzene                       |            | 1 1 1   | 1.38   | 0.0250             | mg/kg dry  | 1.38           | ND               | 100             | 80-120         |       |              |          |
| oluene                        |            |   | 1.42   | 0.0250             | Ħ          | 1.38           | ND               | 103             | 80-120         |       |              |          |
| thylbenzene                   |            |   | 1.40   | 0.0250             | 11         | 1.38           | ND               | 101             | 80-120         |       |              |          |
| (ylene (p/m)                  |            |   | 3.09   | 0.0250             | N          | 2.76           | ND               | 112             | 80-120         |       |              |          |
| (ylene (o)                    |            |   | 1.50   | 0.0250             | н          | 1.38           | ND               | 10 <del>9</del> | 80-120         |       |              |          |
| urrogate: a,a,a-Trifluorotolu | iene       |   | 41.4   | · · · · · ·        | ug/kg      | 40.0           | <u>.</u>         | 104             | 80-120         |       |              | <u>.</u> |
| urrogate: 4-Bromofluoroben    | zene       |   | 39.6   |                    | "          | 40.0           |                  | <b>99</b> .0    | 80-120         |       |              | •        |
| 1atrix Spike Dup (EH60        | )809-MSD1) |   | So     | urce: 6H07012      | 2-01       | Prepared &     | k Analyzed       | : 08/08/06      |                |       |              |          |
| Benzene                       |            | , <u>, , , , , , , , , , , , , , , , , , </u> | 1.37   | 0.0250             | mg/kg dry  | 1.38           | ND               | 99.3            | 80-120         | 0.702 | 20           | • •      |
| oluene                        | •••••      |   | 1.41   | 0.0250             | "          | 1.38           | ND               | 102             | 80-120         | 0.976 | 20           |          |
| thylbenzene                   | . *        |   | 1.39   | 0.0250             | **         | 1.38           | ND               | 101             | 80-120         | 0.00  | 20           | ť        |
| (ylene (p/m)                  |            |   | 3.10   | 0.0250             | ••         | 2.76           | ND               | 112             | 80-120         | 0.00  | 20           | ,        |
| ylene (o)                     | . 1        |   | 1.54   | 0.0250             | **         | 1.38           | ND               | 112             | 80-120         | 2.71  | <b>20</b>    |          |
| urrogate: a,a,a-Trifluorotolu | iene       | <u>-</u>                                      | 41.8   |                    | ug/kg      | 40.0           |                  | 104             | 80-120         |       |              | ·        |
| Surrogate: 4-Bromofluoroben   |            |   | 40.1   | 1.1.1              | ` <i>и</i> | 40.0           |                  | 100             | 80-120         |       |              |          |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

## General Chemistry Parameters by EPA / Standard Methods - Quality Control

### **Environmental Lab of Texas**

|  |        | Reporting      |       | Spike       | Source     |             | %REC                                  |      | RPD   |       |
|--|--------|----------------|-------|-------------|------------|-------------|---------------------------------------|------|-------|-------|
| Analyte                                    | Result | Limit          | Units | Level       | Result     | %REC        | Limits                                | RPD  | Limit | Notes |
| Batch EH60812 - Water Extraction           |        |                |       |             |            |             |                                       | (    |       |       |
| Blank (EH60812-BLK1)                       |        |                |       | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Chloride                                   | ND     | 0.500          | mg/kg |             |            |             |                                       |      |       |       |
| Sulfate                                    | ND     | 0.500          | "     |             |            |             |                                       |      |       |       |
| LCS (EH60812-BS1)                          |        |                |       | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Sulfate                                    | 8.06   | 0.500          | mg/kg | 10.0        |            | 80.6        | 80-120                                |      |       |       |
| Chloride                                   | 9.00   | 0.500          | "     | 10.0        |            | 90.0        | 80-120                                |      |       |       |
| Calibration Check (EH60812-CCV1)           |        |                |       | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Chloride                                   | 10.1   |                | mg/L  | 10.0        |            | 101         | 80-120                                |      |       |       |
| Sulfate                                    | 10.9   |                | "     | 10.0        |            | 109         | 80-120                                |      |       |       |
| Duplicate (EH60812-DUP1)                   | Sou    | irce: 6H07014- | -04   | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Chloride                                   | 4.20   | 5.00           | mg/kg |             | 3.93       |             | · · · · · · · · · · · · · · · · · · · | 6.64 | 20    |       |
| Duplicate (EH60812-DUP2)                   | Sou    | rce: 6H08004-  | -05   | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Sulfate                                    | 2200   | 50.0           | mg/kg |             | 2380       |             |                                       | 7.86 | 20    |       |
| Chloride                                   | 1150   | 50.0           | "     |             | 1250       |             |                                       | 8.33 | 20    |       |
| Matrix Spike (EH60812-MS1)                 | Sou    | rce: 6H07014-  | •04   | Prepared &  | Analyzed:  |             |                                       |      |       |       |
| Chloride                                   | 100    | 5.00           | mg/kg | 100         | 3.93       | 96.1        | 80-120                                |      |       |       |
| Matrix Spike (EH60812-MS2)                 | Sou    | rce: 6H08004-  | -05   | Prepared &  | Analyzed:  | 08/08/06    |                                       |      |       |       |
| Chloride                                   | 2200   | 50.0           | mg/kg | 1000        | 1250       | 95.0        | 80-120                                |      |       |       |
| Sulfate                                    | 3190   | 50.0           | "     | 1000        | 2380       | 81.0        | 80-120                                |      |       |       |
| Batch EH60906 - General Preparation (Prep) |        |                |       |             |            |             |                                       |      |       |       |
| Blank (EH60906-BLK1)                       |        |                |       | Prepared: 0 | 08/08/06 A | nalyzed: 08 | /09/06                                |      |       | -     |
| % Solids                                   | 100    |                | %     |             |            |             |                                       |      |       |       |

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Plus, Incorporated P.O. Box 1558 Eunice NM, 88231 Project: Apache/ N. Mon. Grayburg SA 603 Project Number: 240014 Project Manager: Jason Stegemoller

ji -

| General Chemistry Parameters by EPA / Standard Methods - Quality Control<br>Environmental Lab of Texas |          |                |  |          |                    |       |                                  |                  |                    |                |                          |              |                      |
|--|----------|----------------|--|----------|--------------------|-------|----------------------------------|------------------|--------------------|----------------|--------------------------|--------------|----------------------|
| Analyte  | í,       | 2 <sup>1</sup> | ``                                       | Result   | Reporting<br>Limit | Units | Spike<br>Level                   | Source<br>Result | %REC               | %REC<br>Limits | RPD                      | RPD<br>Limit | Note                 |
| Batch EH60906 - Ge   | eneral l | Preparatio     | on (Prep)                                |          |                    |       |                                  |                  |                    | -              | 1 <i></i> .              | • • *        |                      |
| Duplicate (EH60906-E   | DUP1)    |                | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | Sou      | ırce: 6H08003-     | -01   | Prepared:                        | 08/08/06 A       | nalyzed: 08        | /09/06         | $(f) \in$                | · · .        | 1 - M. J             |
| % Solids   |          |                |  | 83.3     |                    | · %   | *a<br>                           | 82.9             |                    |                | 0.481                    | 20           |                      |
|  |          |                | 1999<br>1                                | N 8 - 25 | · · · · ·          |       |                                  | ·                |                    |                | <i></i>                  |              | n<br>Angelon<br>2003 |
|  |          |                | y 104<br>1                               | t .      | <u>و</u> .         |       |                                  | t,               |                    | χ              | , I.                     |              | •                    |
|  |          |                | . ī                                      | · · · ·  | <b>`</b>           | ٤,    | 11. P                            | •••              |                    |                |                          | Ń            | 1 m                  |
|  |          |                | • • •                                    |          | .t., 1             |       | .'                               |                  |                    |                | ;                        | · · · · ·    | ·, •                 |
|  | £. •     |                | ÷.                                       | •.       |                    |       | (                                | 1                |                    |                |                          |              | an the               |
|  |          | . •            | 1. (g. 1. 1.<br>1                        | •••••    | * 1. 1.* *<br>7    |       | 1997 <b>- 1</b> 99<br>1997 - 199 | s as,""<br>1     |                    |                | : * 1. 1. <sup>- *</sup> | •            |                      |
|  |          | <br>           |  |          | e e de<br>Martin   |       | *                                | • .<br>.• .      |                    |                |                          | ••••         |                      |
|  |          | ۰.             |  | <br>. i  | 4                  |       | • . •                            |                  | ( ) <sup>(</sup> - |                | ······                   | • K., 4      |                      |

 Environmental Lab of Texas
 The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

 Page

12600 West I-20 East - Odessa; Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Page 10 of 11

#### **Notes and Definitions**

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Raland K Just

8/10/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 11

# **Environmental Plus, Inc.**

Chain of Custody Form ANALYSIS REQUES 1 of 1 SAMPLING Eunice, NM 88231 Attn:Cody Miller P.O. Box 1558 BHITO PRESERV. P.O. Box 1558, Eunice, NM 88231 MATRIX 505-394-3481 / 505-394-2601 Eunice New Mexico 88231 UL-C, Sec 20, T19S, R37E N. Mon. Grayburg SA 603 Environmental Plus, Inc. Jason Stegemoller Apache Corporation Jacob Melancon P.O. BOX 1558 (505) 394-3481 FAX: (505) 394-2601 240014 2100 Avenue O, Eunice, NM 88231 **EPI Project Manager EPI Sampler Name** Project Reference EP! Phone#/Fax# Company Name Mailing Address **Client Company** City, State, Zip acility Name -ocation

НАЧ <<< ABHTO **CLP** Hq ("JOS) SETARIUS × × × × × × (ID) SEGINOTHO × × E-mail results to: jstegemoller@envpius.net N2108 H91 × × × × BTEX 8021B × × × 12:00 TIME 8:15 1:30 2:35 3:06 9:50 462 gas 02-Aug-06 02-Aug-06 02-Aug-06 02-Aug-06 02-Aug-06 02-Aug-06 w lebel DATE  $\frac{30}{20}$ NOTES: RAHTO ICE/COOF × × × × × × ACID/BASE :83HTO ChebKed By: зралла 200 CHUDE OIL າເວຣ Received By: (lab staf RATEWATEAW 3 RECURD WATER Sample Cool & Intact Res No Received By: ງ ລູ **# CONTAINERS** Q GINDE OF (C)OMP. G 9 G G 6 10140 \*18100 SAMPLE I.D. BH-26.(6") BH-23 (6") BH-22 (6") BH-24 (6") BH-25 (6") BH-21 (6") ampler Reinquished elinquished by: þ AB I elivered by:

# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

|             | 127          |   |
|-------------|--------------|---|
| Client:     |              |   |
| Date/ Time: | 8/8/de 10:40 |   |
| .ab ID # :  | 6408064      | _ |
| nitials:    |              |   |

# Sample Receipt Checklist

|                 |  |                   |    | Client Ini               | itials |
|-----------------|--|-------------------|----|--------------------------|--------|
| 71              | Temperature of container/ cooler?                      | Yes               | No | 3.0 °C                   |        |
| <b>#</b> 2      | Shipping container in good condition?                  | ¥ es              | No |                          |        |
| <del>7</del> 3  | Custody Seals intact on shipping container/ cooler?    | Yes               | No | Not Present              |        |
| <del>7</del> 4  | Custody Seals intact on sample bottles/ container?     | Yes               | No | Not Present              |        |
| <b>#5</b>       | Chain of Custody present?                              | Yes               | No |                          |        |
| <del>7</del> 6  | Sample instructions complete of Chain of Custody?      | 205               | No |                          |        |
| ¥7              | Chain of Custody signed when relinquished/ received?   | Yes               | No |                          |        |
| <b>#8</b>       | Chain of Custody agrees with sample label(s)?          | Xes               | No | ID written on Cont./ Lid |        |
| <b>#</b> 9      | Container label(s) legible and intact?                 | Yes               | No | Not Applicable           |        |
| <del>#</del> 10 | Sample matrix/ properties agree with Chain of Custody? | Jes I             | No |                          |        |
| #11             | Containers supplied by ELOT?                           | Yes               | No |                          |        |
| <b>#12</b>      | Samples in proper container/ bottle?                   |                   | No | See Below                |        |
| <b>#13</b>      | Samples properly preserved?                            | Yes               | No | See Below                |        |
| #14             | Sample bottles intact?                                 | Xes               | No |                          |        |
| #15             | Preservations documented on Chain of Custody?          | Yes               | No |                          |        |
| #16             | Containers documented on Chain of Custody?             | X                 | No |                          |        |
| #17             | Sufficient sample amount for indicated test(s)?        | ( <del>jo</del> s | No | See Below                |        |
| #18             | All samples received within sufficient hold time?      | YES)              | No | See Below                |        |
| #19             | VOC samples have zero headspace?                       | XES               | No | Not Applicable           |        |

## Variance Documentation

| Contact:                 | Contacted by: | Date/ Time: |
|--------------------------|---------------|-------------|
| Regarding:               |               |             |
| ·                        |               |             |
| Corrective Action Taken: |               |             |
|                          |               |             |
|                          |               |             |

Check all that Apply:

See attached e-mail/ fax

 Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

# **APPENDIX II**

# **PROJECT PHOTOGRAPHS**



Photo #1: Well location sign.

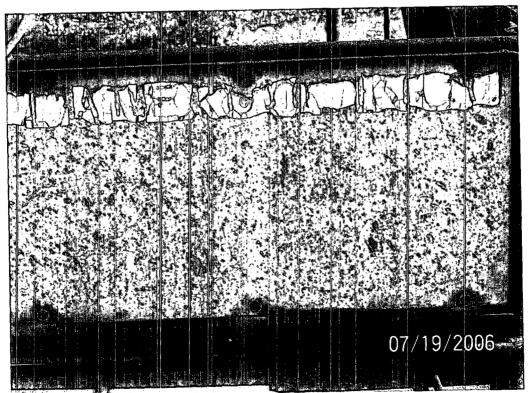


Photo #2: Lanexco well location sign.

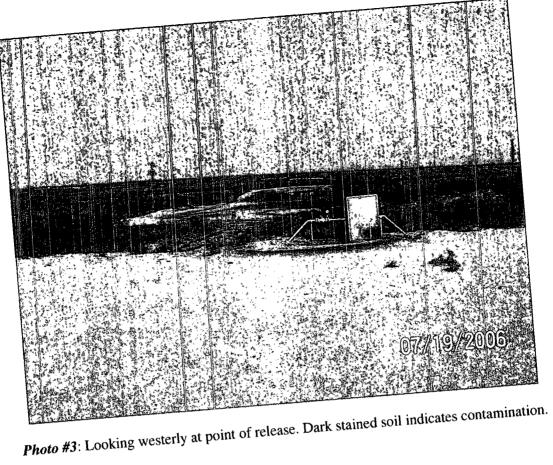




Photo #4: Looking westerly from point of release at Lanexco well pad. Dark stained soil indicates contamination.

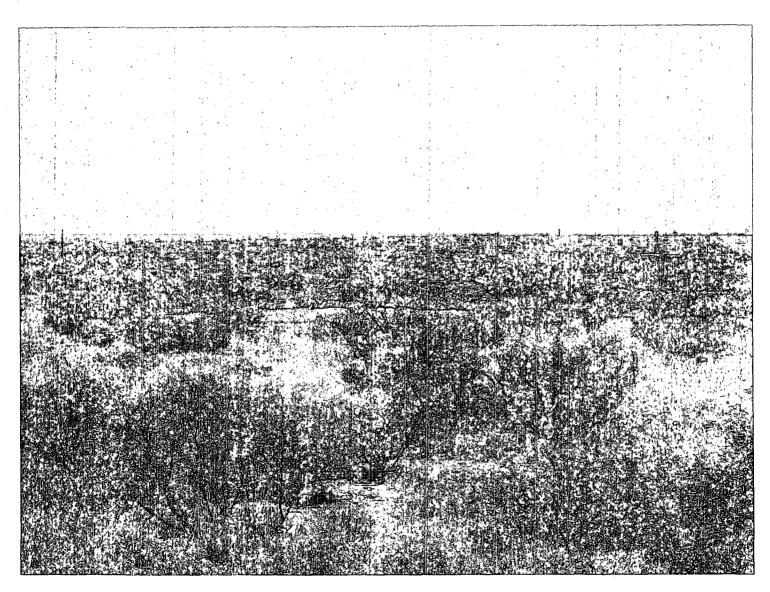


Photo #5: Looking southerly at flowpath area. Caliche berm at the center of photo is the extent of flowpath.



;

.....

*Photo #6*: Looking northerly at excavation of the south flowpath area.



Photo #7: Looking west-northwesterly at excavation of Lanexco caliche well pad.

# **APPENDIX III**

# INFORMATIONAL COPY OF INITIAL NMOCD C-141 FORM

# LETTER OF TRANSMITTAL



| Date:               | August 31, 2006                              |
|---------------------|--|
| To:                 | Mr. Larry Johnson                            |
| Company Name:       | New Mexico Oil Conservation Division         |
| Address:            | 1625 French Drive                            |
| City / State / Zip: | Hobbs, NM 88240                              |
| From:               | Jason Stegemoller                            |
| CC:                 | Mike Warren, Apache Corp. – Monument, NM     |
|                     | Jimmy Cooper, Landowner – Monument, NM       |
| Project #:          | 1RP # 1019; EPI Ref: 240014                  |
| Project Name:       | North Monument Grayburg San Andres Unit #603 |
| Subject:            | Delineation Proposal                         |

| # of originals | # of copies | Description   |
|----------------|-------------|---|
| 1              |             | Apache Corporation - North Monument Grayburg San Andres Unit #603<br>Delineation Proposal |
|                |             |   |
| ·              | ·           |   |
|                |             |   |
|                | <u> </u>    |   |

## **Remarks:**

Dear Mr. Johnson:

Enclosed is a copy of the *Delineation Proposal* for the above referenced site. An original copy of the report was also submitted to the landowner and appropriate Apache Corporation personnel. Should you have any questions or concerns, please feel free to contact me at (505) 394-3481.

Sincerely,

Magemoth ano

Jason Stegemoller Environmental Scientist

P. O. Box 1558 Eunice, NM 88240 (505) 394-3481 Fax: (505) 394-2601

Y:\Clients\Apache (240)\JOB SITES\240014 (N Monument GSAU #3)\REPORTS\Letter of Transmittal.doc

| District I<br>625 N. Frénch Dr., Hobbs, NM 88240 State (   |   |  | 240014 .   |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|
| 025 19, French Dr., 110005, 19M 88240  | of New Mexico   | -  | Form C-141   |  |  |  |  |  |
| JOI W. Grand Avenue, Artesia, NM 88210   | Is and Natural Resources  | Sub-it   | Revised October 10, 2003   |  |  |  |  |  |
| OKU KIO BIJIZOS ROAD. AZICC. NM 87410  | ervation Division<br>1th St. Francis Dr.  | Distr  | 2 Copies to appropriate<br>ict Office in accordance<br>with Rule 116 on back                                     |  |  |  |  |  |
| 220 S. St. Francis Dr., Santa Fe, NM 87505<br>Santa Fe, NM 87505<br>Santa Fe, NM 87505   |   |  |  |  |  |  |  |  |
| مەن ئىل بەر بەر ئەرىپ تەممەن <i>تىكىنى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكىك تەركىكى بىرىكىك تەركى بىرىك</i>   | on and Corrective Actio   | )n   | (740-2011) - Anna -   |  |  |  |  |  |
| -  | OPERATOR  | Initial Repor  | t 🔲 Final Report   |  |  |  |  |  |
| Name of Company Apache Corp  | Contact Doing Marthews  |  |  |  |  |  |  |  |
| Address 17 Hess Lane<br>Facility Name NUGSAU # 4003  | Telephone No. 505-44<br>Facility Type Threation   |  |  |  |  |  |  |  |
|  | Gtate of NM   | Lease No. 3.   | 1651-9   |  |  |  |  |  |
| LOCATION OF RELEASE API#3002 5056690000  |   |  |  |  |  |  |  |  |
| Jnit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County  |   |  |  |  |  |  |  |  |
| C 20 195 37E 660 N   | orth 1980 L   | Jest hx  | સ્વ  |  |  |  |  |  |
| Latitude N32° 39,0   | 74 <sup>1</sup> Longitude <u>10108 16,56</u>  | o'   | ······································   |  |  |  |  |  |
| 37 Lantude <u>N 27 37, 674</u> Longitude <u>W 103 76, 36</u> ()<br>NATURE OF RELEASE   |   |  |  |  |  |  |  |  |
| ype of Release Injection leak  | Volume of Release 85 b615   | Volume Recovered   |  |  |  |  |  |  |
| Vas Immediate Notice Oliven?   | Date and Hour of Occurrence<br>If YES, To Whom?   | Date and Hour of 1   | Discovery 7/16/06 8:4544   |  |  |  |  |  |
| Yes No Not Require   |   | 21 21  |  |  |  |  |  |  |
| ly Whom? Doug Mathews<br>Vas a Watercourse Reached?  |   | If YES, Volume Impacting the Watercourse.  |  |  |  |  |  |  |
| Yes 🖾 No   |   |  |  |  |  |  |  |  |
| Fa Watercourse was Impacted, Describe Fully.*  |   |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |
| escribe Cause of Problem and Remedial Action Taken.*   |   |  | <u> </u>   |  |  |  |  |  |
| Plug blew out of injection line  | Trucks were a   | alled and  | 1 911  |  |  |  |  |  |
|  |   | • • •  |  |  |  |  |  |  |
| Fluid was picked up.<br>rescribe Area Affected and Cleanup Action Taken.*  |   | 11 4 11 0  | uiest 9  |  |  |  |  |  |
| Injection water ran off locati   | on and down h   | II to the  | ulesc, .   |  |  |  |  |  |
| Vacuum trucks picked up all  | fluid,  | •  | Escribe Area Affected and Cleanup Action Taken.*<br>Injection water ran off location and down hill to the weest, |  |  |  |  |  |
| hereby certify that the information given above is true and complete to  | the best of my knowledge and unders   | and that pursuant to N   |  |  |  |  |  |  |
| gulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger  |   |  |  |  |  |  |  |  |
| iblic health or the environment. The accentance of a C-141 report by   | the NMOCD marked as "Final Report"  | does not relieve the o   | ch may endanger  |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi  | ate contamination that pose a threat to   | does not relieve the o ground water, surface   | ch may endanger<br>perator of liability<br>water, human health   |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by   | ate contamination that pose a threat to<br>does not relieve the operator of respon-   | does not relieve the o<br>ground water, surface<br>usibility for complianc   | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report  | ate contamination that pose a threat to<br>does not relieve the operator of respon-   | does not relieve the o ground water, surface   | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| iblic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report  | ate contamination that pose a threat to<br>does not relieve the operator of respon<br>OIL CONSER  | does not relieve the o<br>ground water, surface<br>usibility for complianc   | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.   | ate contamination that pose a threat to<br>does not relieve the operator of respon-   | does not relieve the o<br>ground water, surface<br>usibility for complianc   | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| iblic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.   | ate contamination that pose a threat to<br>does not relieve the operator of respon<br>OIL CONSER  | does not relieve the o<br>ground water, surface<br>usibility for complianc   | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>rould their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mosthews<br>itle: Pumper II  | ate contamination that pose a threat to<br>does not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br>Approval Date:                                   | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:           | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br><u>ION</u>                 |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>rould their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>intel Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Joug. mg thews Dusa, apachecopy<br>ate: 7/16/06                   | ate contamination that pose a threat to<br>does not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br>Approval Date:                                   | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:           | ch may endanger<br>perator of liability<br>water, human health<br>e with any other                               |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Loug. mg thews couse, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br><u>ION</u>                 |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Loug. mg thews couse, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br><u>ION</u>                 |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Loug. mg thews couse, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br>ION                        |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Loug. mg thews couse, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>usibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br>ION                        |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>rould their operations have failed to adequately investigate and remedi<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Poug Mathews<br>intel Name: Poug Mathews<br>itle: Pumper II<br>mail Address: Joug. mg thews Dusa, apachecopy<br>ate: 7/16/06                   | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>isibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br>ION                        |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>ittle: Pumper II<br>mail Address: Joug. mg thews Dusa, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>isibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br>ION                        |  |  |  |  |  |
| ablic health or the environment. The acceptance of a C-141 report by<br>would their operations have failed to adequately investigate and remedi-<br>the environment. In addition, NMOCD acceptance of a C-141 report<br>deral, state, or local laws and/or regulations.<br>ignature: Roll Mathews<br>inted Name: Doug Mathews<br>inted Name: Doug Mathews<br>itle: Pumper II<br>mail Address: Loug. mg thews couse, apachecopy<br>ate: 7/16/06 Phone: 441-2148 | ate contamination that pose a threat to<br>dees not relieve the operator of respon<br><u>OIL CONSER</u><br>Approved by District Supervisor:<br><u>Approval Date:</u><br>Conditions of Approval: | does not relieve the o<br>ground water, surface<br>isibility for complianc<br>VATION DIVIS<br>Expiration Date:<br>Attack | ch may endanger<br>perator of liability<br>water, human health<br>e with any other<br><u>ION</u>                 |  |  |  |  |  |

-----

ļ

in p