

AP - 64

# ANNUAL MONITORING REPORT

YEAR(S):

2006

# R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 12, 2007

Wayne Price  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: 2006 Annual Ground Water Monitoring Report  
F-29 SWD, Sec 29, T18S, R38E, Unit "F"  
NMOCD Case #: ~~1R0218~~ *AP64*

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the F-29 SWD site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
2. Graphs showing chemical concentration vs. time for chloride and TDS.
3. Laboratory data sheets associated with the routine sampling for 2006.
4. Potentiometric surface map.

The Stage I/II Abatement Plan was submitted to NMOCD on October 27, 2006. The abatement plan is pending NMOCD approval.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of the annual report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,  
R.T. Hicks Consultants, Ltd.

  
Randall T. Hicks  
Principal

Copy: Hobbs NMOCD office; Rice Operating Company

Table 1: chemistry over time

F-29 SWD

| Well Name | Date       | DTW (ft) | Chloride (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (ug/L) | Toluene (ug/L) | EthylBenzene (ug/L) | Total Xylenes (ug/L) | Comments       |
|-----------|------------|----------|-----------------|----------------|------------|----------------|----------------|---------------------|----------------------|----------------|
| MW-2      | 3/21/2000  | XXX      | 2564            | XXX            | 6660       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 7/10/2000  | 49.00    | 1829            | XXX            | 3470       | <0.002         | <0.002         | <0.002              | <0.006               |                |
| MW-2      | 9/27/2000  | 49.26    | 1748            | XXX            | 3032       | <0.002         | <0.002         | <0.002              | <0.006               |                |
| MW-2      | 12/12/2000 | 49.61    | 1027            | XXX            | 2586       | <0.002         | <0.002         | <0.002              | <0.006               |                |
| MW-2      | 1/4/2001   | XXX      | 308             | XXX            | 1114       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 3/16/2001  | XXX      | 396             | XXX            | 1373       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 3/23/2001  | XXX      | 368             | XXX            | 1312       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 5/7/2001   | XXX      | 365             | XXX            | 1272       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 6/8/2001   | XXX      | 513             | XXX            | 1796       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 8/14/2001  | XXX      | 340             | XXX            | 1385       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 12/29/2001 | 51.13    | XXX             | XXX            | XXX        | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 1/4/2002   | 51.16    | 308             | XXX            | 1114       | XXX            | XXX            | XXX                 | XXX                  |                |
| MW-2      | 6/6/2002   | XXX      | 221             | 135            | XXX        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 8/14/2002  | 52.07    | 186             | 144            | 806        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 12/11/2002 | 52.58    | 172             | 106            | 738        | <0.002         | <0.002         | <0.002              | <0.006               |                |
| MW-2      | 3/21/2003  | 52.94    | 230             | 140            | XXX        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 5/28/2003  | 53.15    | 257             | 138            | 804        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 9/22/2003  | 53.71    | 151             | 173            | 700        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 12/18/2003 | 54.10    | 208             | 71             | 815        | <0.002         | 0.003          | <0.002              | 0.014                |                |
| MW-2      | 3/15/2004  | 54.33    | 186             | 103            | 607        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 5/27/2004  | XXX      | 213             | 138            | 830        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 9/8/2004   | 54.60    | 248             | 129            | 946        | 0.00464        | 0.000412       | 0.000979            | 0.001199             | no odor; clear |
| MW-2      | 11/23/2004 | 54.20    | 139             | 125            | 888        | 0.00448        | <0.001         | <0.001              | 0.000714             | no odor; clear |
| MW-2      | 3/22/2005  | 53.39    | 214             | 196            | 914        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear |
| MW-2      | 5/18/2005  | 53.35    | 223             | 131            | 930        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 8/8/2005   | 53.55    | 210             | 130            | 799        | <0.001         | <0.001         | <0.001              | <0.001               |                |
| MW-2      | 10/31/2005 | 53.81    | 185             | 100            | 762        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear |
| MW-2      | 1/30/2006  | 53.89    | 198             | 89.4           | 904        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear |

Table 1: chemistry over time

F-29 SWD

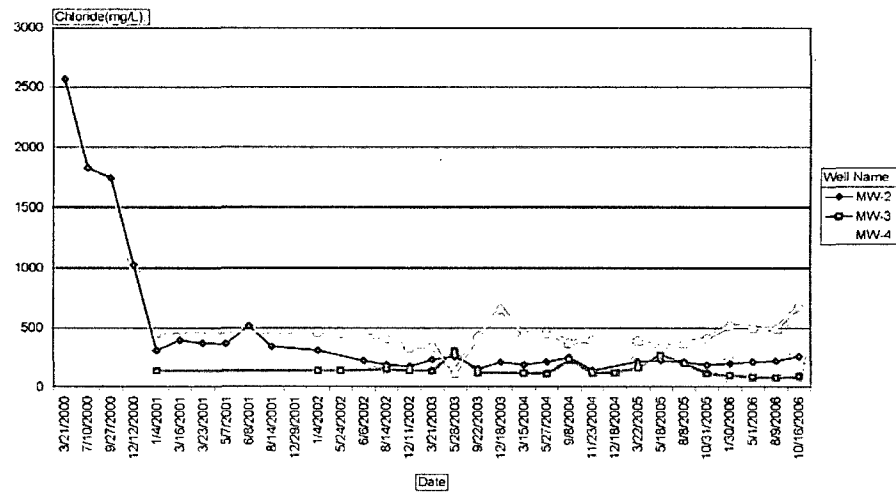
| Well Name | Date       | DTW (ft) | Chloride (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (ug/L) | Toluene (ug/L) | EthylBenzene (ug/L) | Total Xylenes (ug/L) | Comments                         |
|-----------|------------|----------|-----------------|----------------|------------|----------------|----------------|---------------------|----------------------|----------------------------------|
| MW-2      | 5/1/2006   | 53.91    | 212             | 91.3           | 904        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-2      | 8/9/2006   | 54.23    | 221             | 109            | 914        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-2      | 10/16/2006 | 54.13    | 258             | 116            | 1040       | <0.001         | j[0.000790]    | j[0.000356]         | j[0.000940]          | Clear No Odor                    |
| MW-3      | 1/4/2001   | XXX      | 136             | XXX            | 1013       | XXX            | XXX            | XXX                 | XXX                  |                                  |
| MW-3      | 12/29/2001 | 51.20    | XXX             | XXX            | XXX        | XXX            | XXX            | XXX                 | XXX                  |                                  |
| MW-3      | 1/4/2002   | 51.24    | 136             | XXX            | 1013       | XXX            | XXX            | XXX                 | XXX                  |                                  |
| MW-3      | 5/24/2002  | XXX      | 137             | 158            | 917        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 8/14/2002  | 52.12    | 151             | 284            | 998        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 12/11/2002 | 52.64    | 136             | 201            | 1069       | 0.005          | <0.002         | <0.002              | <0.006               |                                  |
| MW-3      | 3/21/2003  | 52.98    | 133             | 266            | XXX        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 5/28/2003  | 53.70    | 301             | 240            | 1120       | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 9/22/2003  | 53.74    | 120             | 238            | 881        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 3/15/2004  | 54.35    | 115             | 248            | 1140       | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 5/27/2004  | XXX      | 111             | 171            | 810        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 9/8/2004   | 54.60    | 230             | 186            | 937        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear; retrieved bailer |
| MW-3      | 11/23/2004 | 54.40    | 115             | 183            | 925        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear                   |
| MW-3      | 12/18/2004 | 54.59    | 124             | 73             | 852        | <0.002         | <0.002         | <0.002              | <0.006               |                                  |
| MW-3      | 3/22/2005  | 53.40    | 162             | 126            | 796        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear                   |
| MW-3      | 5/18/2005  | 53.38    | 272             | 92             | 1050       | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 8/8/2005   | 53.90    | 203             | 122            | 945        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 10/31/2005 | 53.57    | 113             | 116            | 732        | <0.001         | <0.001         | <0.001              | <0.001               | no odor; clear                   |
| MW-3      | 1/30/2006  | 53.92    | 97.3            | 120            | 650        | <0.001         | <0.001         | <0.001              | j[0.000562]          | no odor; clear                   |
| MW-3      | 5/1/2006   | 53.98    | 85.3            | 111            | 704        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 8/9/2006   | 54.29    | 80              | 150            | 594        | <0.001         | <0.001         | <0.001              | <0.001               |                                  |
| MW-3      | 10/16/2006 | 54.18    | 88.9            | 135            | 616        | <0.001         | j[0.000950]    | j[0.000404]         | 0.00105              | Clear No Odor                    |



# Ground Water Quality at F-29 SWD

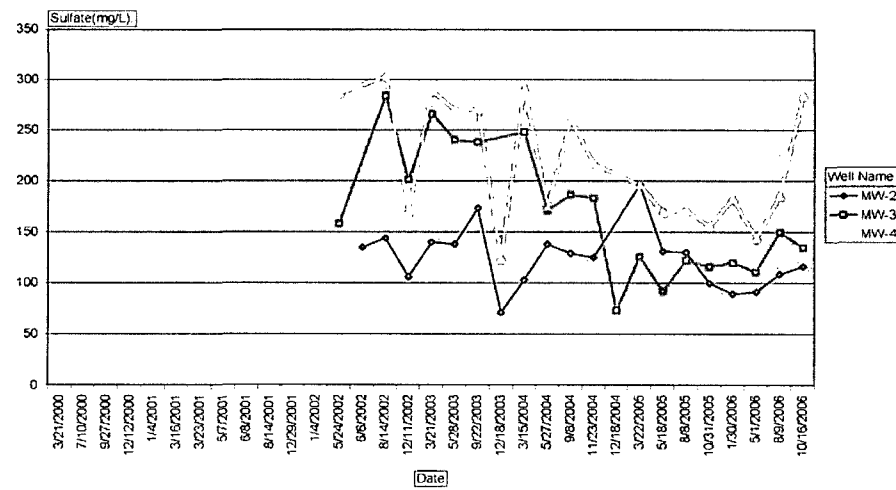
Site Name: F-29 SWD

## Chloride Over Time



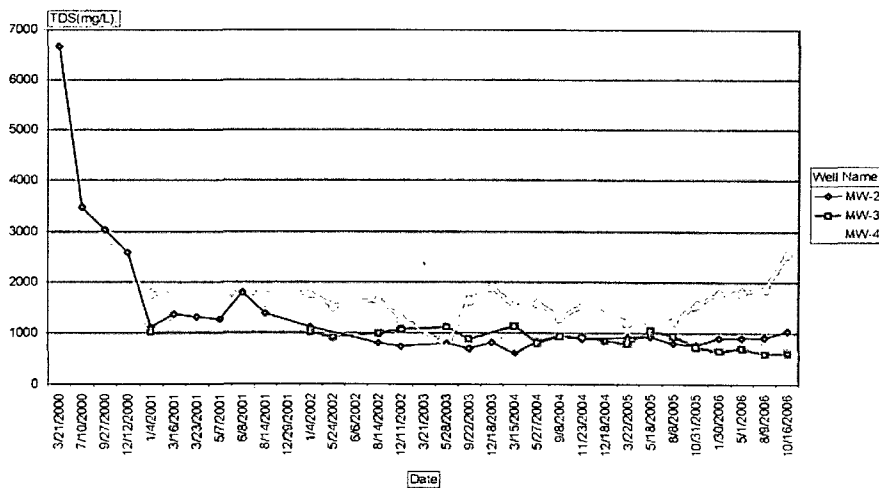
Site Name: F-29 SWD

## Sulfate Over Time



Site Name: F-29 SWD

## TDS Over Time



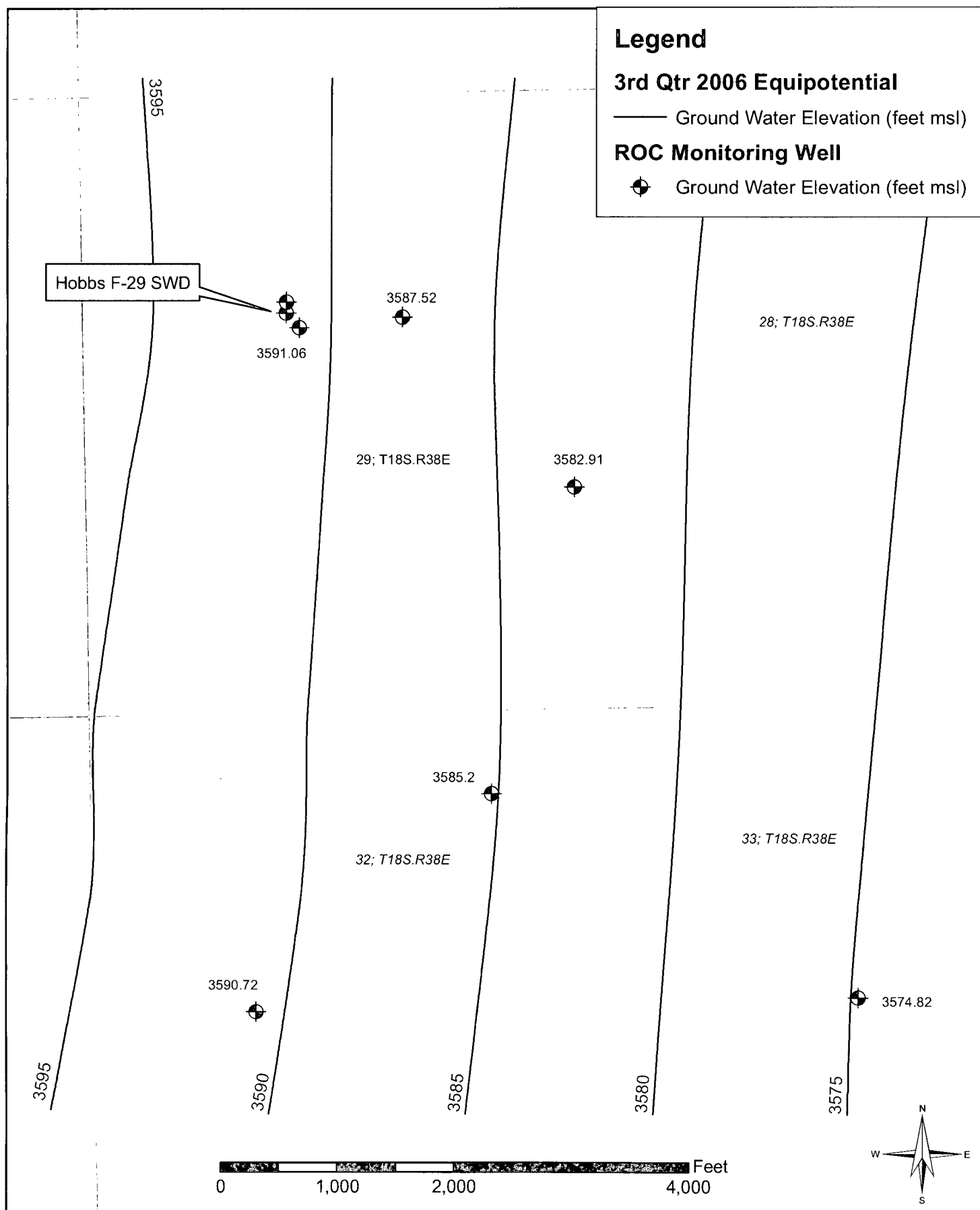
## Legend

### 3rd Qtr 2006 Equipotential

— Ground Water Elevation (feet msl)

### ROC Monitoring Well

⊕ Ground Water Elevation (feet msl)



R.T. Hicks Consultants, Ltd

901 Rio Grande Blvd NW Suite F-142

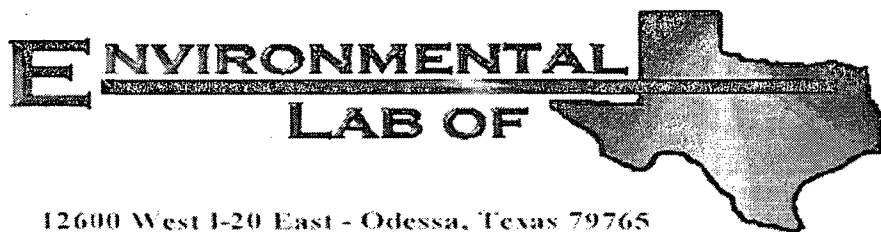
Albuquerque, NM 87104

Ph: 505.266.5004

3rd Qtr 2006 Potentiometric Surface

Rice Operating Company: Hobbs F-29 SWD  
(NMOCD File #: 1R0218)

February  
2007



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs F-29 SWD

Project Number: None Given

Location: Lea County

Lab Order Number: 6B02005

Report Date: 02/10/06



Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
02/10/06 09:53

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------------|---------------|--------|----------------|----------------|
| Monitor Well #2 | 6B02005-01    | Water  | 01/30/06 09:55 | 02/02/06 09:00 |
| Monitor Well #3 | 6B02005-02    | Water  | 01/30/06 11:00 | 02/02/06 09:00 |
| Monitor Well #4 | 6B02005-03    | Water  | 01/30/06 14:15 | 02/02/06 09:00 |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                                   | Result       | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6B02005-01) Water</b> |              |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100            | mg/L   | 1        | EB60304 | 02/03/06 | 02/07/06 | EPA 8021B |       |
| Toluene                                   | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 91.2 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 80.2 %             | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6B02005-02) Water</b> |              |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100            | mg/L   | 1        | EB60304 | 02/03/06 | 02/07/06 | EPA 8021B |       |
| Toluene                                   | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | I [0.000562] | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 85.2 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 80.5 %             | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6B02005-03) Water</b> |              |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100            | mg/L   | 1        | EB60304 | 02/03/06 | 02/07/06 | EPA 8021B |       |
| Toluene                                   | ND           | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | I [0.000332] | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | I [0.000805] | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | I [0.000259] | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 102 %              | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 87.0 %             | 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.

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>Monitor Well #2 (6B02005-01) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 196    | 2.00               | mg/L  | 1        | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M |       |
| Chloride                                  | 198    | 5.00               | "     | 10       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 904    | 5.00               | "     | 1        | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1  |       |
| Sulfate                                   | 89.4   | 5.00               | "     | 10       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |
| <b>Monitor Well #3 (6B02005-02) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 214    | 2.00               | mg/L  | 1        | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M |       |
| Chloride                                  | 97.3   | 5.00               | "     | 10       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 650    | 5.00               | "     | 1        | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1  |       |
| Sulfate                                   | 120    | 5.00               | "     | 10       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |
| <b>Monitor Well #4 (6B02005-03) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 192    | 2.00               | mg/L  | 1        | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M |       |
| Chloride                                  | 523    | 10.0               | "     | 20       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 1780   | 5.00               | "     | 1        | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1  |       |
| Sulfate                                   | 182    | 10.0               | "     | 20       | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0  |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6B02005-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 139    | 0.500              | mg/L  | 50       | EB60903 | 02/08/06 | 02/09/06 | EPA 6010B |       |
| Magnesium                                 | 23.1   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 5.24   | 0.0500             | "     | 1        | "       | "        | "        | "         |       |
| Sodium                                    | 93.3   | 0.500              | "     | 50       | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6B02005-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 109    | 0.100              | mg/L  | 10       | EB60903 | 02/08/06 | 02/09/06 | EPA 6010B |       |
| Magnesium                                 | 21.2   | 0.0100             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 4.30   | 0.0500             | "     | 1        | "       | "        | "        | "         |       |
| Sodium                                    | 68.6   | 0.100              | "     | 10       | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6B02005-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 313    | 0.500              | mg/L  | 50       | EB60903 | 02/08/06 | 02/09/06 | EPA 6010B |       |
| Magnesium                                 | 47.9   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 6.52   | 0.0500             | "     | 1        | "       | "        | "        | "         |       |
| Sodium                                    | 164    | 0.500              | "     | 50       | "       | "        | "        | "         |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**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 EB60304 - EPA 5030C (GC)**

**Blank (EB60304-BLK1)**

Prepared: 02/03/06 Analyzed: 02/07/06

|                                   |      |         |      |      |  |      |        |  |  |  |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene                           | ND   | 0.00100 | mg/L |      |  |      |        |  |  |  |
| Toluene                           | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (p/m)                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (o)                        | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 38.0 |         | ug/l | 40.0 |  | 95.0 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 32.4 |         | "    | 40.0 |  | 81.0 | 80-120 |  |  |  |

**LCS (EB60304-BS1)**

Prepared: 02/03/06 Analyzed: 02/06/06

|                                   |        |         |      |        |  |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene                           | 0.0463 | 0.00100 | mg/L | 0.0500 |  | 92.6 | 80-120 |  |  |  |
| Toluene                           | 0.0483 | 0.00100 | "    | 0.0500 |  | 96.6 | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0470 | 0.00100 | "    | 0.0500 |  | 94.0 | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0883 | 0.00100 | "    | 0.100  |  | 88.3 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0433 | 0.00100 | "    | 0.0500 |  | 86.6 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 42.6   |         | ug/l | 40.0   |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 35.3   |         | "    | 40.0   |  | 88.2 | 80-120 |  |  |  |

**Calibration Check (EB60304-CCV1)**

Prepared: 02/03/06 Analyzed: 02/07/06

|                                   |      |  |      |      |  |      |        |  |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene                           | 46.1 |  | ug/l | 50.0 |  | 92.2 | 80-120 |  |  |  |
| Toluene                           | 50.2 |  | "    | 50.0 |  | 100  | 80-120 |  |  |  |
| Ethylbenzene                      | 50.8 |  | "    | 50.0 |  | 102  | 80-120 |  |  |  |
| Xylene (p/m)                      | 94.4 |  | "    | 100  |  | 94.4 | 80-120 |  |  |  |
| Xylene (o)                        | 47.4 |  | "    | 50.0 |  | 94.8 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 41.7 |  | "    | 40.0 |  | 104  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 35.9 |  | "    | 40.0 |  | 89.8 | 80-120 |  |  |  |

**Matrix Spike (EB60304-MS1)**

Source: 6A30005-06

Prepared: 02/03/06 Analyzed: 02/07/06

|                                   |        |         |      |        |          |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|--|--|--|
| Benzene                           | 0.0488 | 0.00100 | mg/L | 0.0500 | 0.00119  | 95.2 | 80-120 |  |  |  |
| Toluene                           | 0.0496 | 0.00100 | "    | 0.0500 | 0.000302 | 98.6 | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0514 | 0.00100 | "    | 0.0500 | 0.000224 | 102  | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0975 | 0.00100 | "    | 0.100  | 0.000882 | 96.6 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0496 | 0.00100 | "    | 0.0500 | ND       | 99.2 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 42.5   |         | ug/l | 40.0   |          | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 44.8   |         | "    | 40.0   |          | 112  | 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.

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**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 EB60304 - EPA 5030C (GC)**

**Matrix Spike Dup (EB60304-MSD1)**

**Source: 6A30005-06**

Prepared: 02/03/06 Analyzed: 02/06/06

|                                   |        |         |      |        |          |      |        |      |    |  |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|------|----|--|
| Benzene                           | 0.0460 | 0.00100 | mg/L | 0.0500 | 0.00119  | 89.6 | 80-120 | 6.06 | 20 |  |
| Toluene                           | 0.0477 | 0.00100 | "    | 0.0500 | 0.000302 | 94.8 | 80-120 | 3.93 | 20 |  |
| Ethylbenzene                      | 0.0501 | 0.00100 | "    | 0.0500 | 0.000224 | 99.8 | 80-120 | 2.18 | 20 |  |
| Xylene (p/m)                      | 0.0938 | 0.00100 | "    | 0.100  | 0.000882 | 92.9 | 80-120 | 3.91 | 20 |  |
| Xylene (o)                        | 0.0483 | 0.00100 | "    | 0.0500 | ND       | 96.6 | 80-120 | 2.66 | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 40.3   |         | ug/l | 40.0   |          | 101  | 80-120 |      |    |  |
| Surrogate: 4-Bromofluorobenzene   | 41.5   |         | "    | 40.0   |          | 104  | 80-120 |      |    |  |

Environmental Lab of Texas

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Page 6 of 10

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**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<br>Limits                        | RPD    | RPD<br>Limit | Notes |
|------------------------------------------------------|--------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|--------|--------------|-------|
| <b>Batch EB60302 - General Preparation (WetChem)</b> |        |                    |       |                                       |                  |                                       |        |              |       |
| <b>Blank (EB60302-BLK1)</b>                          |        |                    |       | Prepared & Analyzed: 02/02/06         |                  |                                       |        |              |       |
| Total Dissolved Solids                               | ND     | 5.00               | mg/L  |                                       |                  |                                       |        |              |       |
| <b>Duplicate (EB60302-DUP1)</b>                      |        |                    |       | Source: 6B01010-01                    |                  | Prepared & Analyzed: 02/02/06         |        |              |       |
| Total Dissolved Solids                               | 790    | 5.00               | mg/L  |                                       | 794              |                                       | 0.505  | 5            |       |
| <b>Batch EB60614 - General Preparation (WetChem)</b> |        |                    |       |                                       |                  |                                       |        |              |       |
| <b>Blank (EB60614-BLK1)</b>                          |        |                    |       | Prepared: 02/04/06 Analyzed: 02/06/06 |                  |                                       |        |              |       |
| Chloride                                             | ND     | 0.500              | mg/L  |                                       |                  |                                       |        |              |       |
| Sulfate                                              | ND     | 0.500              | "     |                                       |                  |                                       |        |              |       |
| <b>LCS (EB60614-BS1)</b>                             |        |                    |       | Prepared: 02/04/06 Analyzed: 02/06/06 |                  |                                       |        |              |       |
| Chloride                                             | 8.99   |                    | mg/L  | 10.0                                  |                  | 89.9                                  | 80-120 |              |       |
| Sulfate                                              | 8.40   |                    | "     | 10.0                                  |                  | 84.0                                  | 80-120 |              |       |
| <b>Calibration Check (EB60614-CCV1)</b>              |        |                    |       | Prepared: 02/04/06 Analyzed: 02/06/06 |                  |                                       |        |              |       |
| Chloride                                             | 8.93   |                    | mg/L  | 10.0                                  |                  | 89.3                                  | 80-120 |              |       |
| Sulfate                                              | 8.63   |                    | "     | 10.0                                  |                  | 86.3                                  | 80-120 |              |       |
| <b>Duplicate (EB60614-DUP1)</b>                      |        |                    |       | Source: 6B01010-01                    |                  | Prepared: 02/04/06 Analyzed: 02/06/06 |        |              |       |
| Chloride                                             | 224    | 5.00               | mg/L  |                                       | 206              |                                       | 8.37   | 20           |       |
| Sulfate                                              | 72.9   | 5.00               | "     |                                       | 66.5             |                                       | 9.18   | 20           |       |
| <b>Batch EB60901 - General Preparation (WetChem)</b> |        |                    |       |                                       |                  |                                       |        |              |       |
| <b>Blank (EB60901-BLK1)</b>                          |        |                    |       | Prepared & Analyzed: 02/08/06         |                  |                                       |        |              |       |
| Total Alkalinity                                     | ND     | 2.00               | mg/L  |                                       |                  |                                       |        |              |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471  
**Reported:**  
02/10/06 09:53

**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 |
|------------------------------------------------------|--------|--------------------|-------|--------------------------------------------------|------------------|------|----------------|-------|--------------|-------|
| <b>Batch EB60901 - General Preparation (WetChem)</b> |        |                    |       |                                                  |                  |      |                |       |              |       |
| <b>LCS (EB60901-BS1)</b>                             |        |                    |       | Prepared & Analyzed: 02/08/06                    |                  |      |                |       |              |       |
| Bicarbonate Alkalinity                               | 210    | 2.00               | mg/L  | 200                                              |                  | 105  | 85-115         |       |              |       |
| <b>Duplicate (EB60901-DUPL)</b>                      |        |                    |       | Source: 6B01010-01 Prepared & Analyzed: 02/08/06 |                  |      |                |       |              |       |
| Total Alkalinity                                     | 192    | 2.00               | mg/L  |                                                  | 191              |      |                | 0.522 | 20           |       |
| <b>Reference (EB60901-SRM1)</b>                      |        |                    |       | Prepared & Analyzed: 02/08/06                    |                  |      |                |       |              |       |
| Total Alkalinity                                     | 96.0   |                    | mg/L  | 100                                              |                  | 96.0 | 90-110         |       |              |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
02/10/06 09:53

**Total Metals 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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EB60903 - 6010B/No Digestion**

**Blank (EB60903-BLK1)**

Prepared: 02/08/06 Analyzed: 02/09/06

|           |    |         |      |  |  |  |  |  |  |  |
|-----------|----|---------|------|--|--|--|--|--|--|--|
| Calcium   | ND | 0.0100  | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.00100 | "    |  |  |  |  |  |  |  |
| Potassium | ND | 0.0500  | "    |  |  |  |  |  |  |  |
| Sodium    | ND | 0.0100  | "    |  |  |  |  |  |  |  |

**Calibration Check (EB60903-CCV1)**

Prepared: 02/08/06 Analyzed: 02/09/06

|           |      |  |      |      |  |      |        |  |  |  |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium   | 2.06 |  | mg/L | 2.00 |  | 103  | 85-115 |  |  |  |
| Magnesium | 2.05 |  | "    | 2.00 |  | 102  | 85-115 |  |  |  |
| Potassium | 1.92 |  | "    | 2.00 |  | 96.0 | 85-115 |  |  |  |
| Sodium    | 1.90 |  | "    | 2.00 |  | 95.0 | 85-115 |  |  |  |

**Duplicate (EB60903-DUP1)**

Source: 6B01010-01

Prepared: 02/08/06 Analyzed: 02/09/06

|           |      |        |      |  |      |  |  |       |    |  |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium   | 62.1 | 0.100  | mg/L |  | 61.2 |  |  | 1.46  | 20 |  |
| Magnesium | 43.5 | 0.0100 | "    |  | 44.8 |  |  | 2.94  | 20 |  |
| Potassium | 10.3 | 0.500  | "    |  | 10.4 |  |  | 0.966 | 20 |  |
| Sodium    | 161  | 0.500  | "    |  | 157  |  |  | 2.52  | 20 |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
02/10/06 09:53

### 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:

*Raland K. Tuttle*

Date:

2/10/2006

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.

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.

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

**Project Manager:** Kristin Farris Pope  
kpriceswd@valomnet.com

Project Name: Hobbs F-29 SWD

Company Name RICE Operating Company

Project #:

Company Address: 122 W. Taylor Street

Project Loc: Lea County

City/State/Zip: Hobbs, New Mexico 88240

POB

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

**Sampler Signature:** Rozanne Johnson (505) 631-9310

Email: [rozanne@valornet.com](mailto:rozanne@valornet.com)

[illegible]

**Special Instructions:**

PLEASE Email RESULTS TO: [kpiceswd@valornet.com](mailto:kpiceswd@valornet.com) & [mfranks@priceswd.com](mailto:mfranks@priceswd.com)

[illegible]

### Labels on container?

**Custody Seals, Containers, Footers**

**Temperature Upon Receipt:**

Relinquished by:

| Date | Time |
|------|------|
|------|------|

Received by:

1

| Date | Time |
|------|------|
|------|------|

Relinquished by:

| Date | Time |
|------|------|
|------|------|

Received by ELOTT

1

| Date | Time |
|------|------|
|------|------|

**Laboratory Comments:**

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

Client: Rice Op.

Date/Time: 2/2/06 9:00

Order #: 6B02005

Initials: CR

**Sample Receipt Checklist**

|                                                           |            |    |                |          |
|-----------------------------------------------------------|------------|----|----------------|----------|
| Temperature of container/cooler?                          | Yes        | No | <u>I.U</u>     | <u>C</u> |
| Shipping container/cooler in good condition?              | <u>Yes</u> | No |                |          |
| Custody Seals intact on shipping container/cooler?        | <u>Yes</u> | No | Not present    |          |
| Custody Seals intact on sample bottles?                   | <u>Yes</u> | No | Not present    |          |
| Chain of custody present?                                 | <u>Yes</u> | No |                |          |
| Sample Instructions complete on Chain of Custody?         | <u>Yes</u> | No |                |          |
| Chain of Custody signed when relinquished and received?   | <u>Yes</u> | No |                |          |
| Chain of custody agrees with sample label(s)              | <u>Yes</u> | No |                |          |
| Container labels legible and intact?                      | <u>Yes</u> | No |                |          |
| Sample Matrix and properties same as on chain of custody? | <u>Yes</u> | No |                |          |
| Samples in proper container/bottle?                       | <u>Yes</u> | No |                |          |
| Samples properly preserved?                               | <u>Yes</u> | No |                |          |
| Sample bottles intact?                                    | <u>Yes</u> | No |                |          |
| Preservations documented on Chain of Custody?             | <u>Yes</u> | No |                |          |
| Containers documented on Chain of Custody?                | <u>Yes</u> | No |                |          |
| Sufficient sample amount for indicated test?              | <u>Yes</u> | No |                |          |
| All samples received within sufficient hold time?         | <u>Yes</u> | No |                |          |
| VOC samples have zero headspace?                          | <u>Yes</u> | No | Not Applicable |          |

Other observations:

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**Variance Documentation:**

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

---



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Corrective Action Taken:

---



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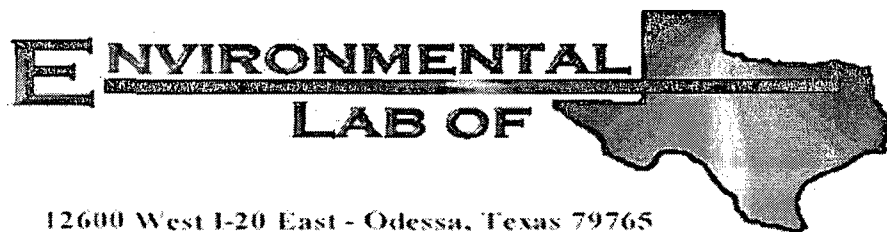
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12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs F-29 SWD

Project Number: None Given

Location: Lea County

Lab Order Number: 6E04009

Report Date: 05/09/06

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
05/09/06 14:23

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------------|---------------|--------|----------------|----------------|
| Monitor Well #2 | 6E04009-01    | Water  | 05/01/06 13:10 | 05/04/06 10:50 |
| Monitor Well #3 | 6E04009-02    | Water  | 05/01/06 11:50 | 05/04/06 10:50 |
| Monitor Well #4 | 6E04009-03    | Water  | 05/01/06 09:40 | 05/04/06 10:50 |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
05/09/06 14:23

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6E04009-01) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 96.5 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 100 %              | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6E04009-02) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 95.2 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 97.0 %             | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6E04009-03) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 95.0 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 91.2 %             | 80-120 |          | "       | "        | "        | "         |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
05/09/06 14:23

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>Monitor Well #2 (6E04009-01) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 208    | 2.00               | mg/L  | 1        | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M |       |
| Chloride                                  | 212    | 5.00               | "     | 10       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 904    | 5.00               | "     | 1        | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1  |       |
| Sulfate                                   | 91.3   | 5.00               | "     | 10       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |
| <b>Monitor Well #3 (6E04009-02) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 193    | 2.00               | mg/L  | 1        | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M |       |
| Chloride                                  | 85.3   | 5.00               | "     | 10       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 704    | 5.00               | "     | 1        | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1  |       |
| Sulfate                                   | 111    | 5.00               | "     | 10       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |
| <b>Monitor Well #4 (6E04009-03) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 173    | 2.00               | mg/L  | 1        | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M |       |
| Chloride                                  | 501    | 10.0               | "     | 20       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 1800   | 5.00               | "     | 1        | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1  |       |
| Sulfate                                   | 144    | 10.0               | "     | 20       | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0  |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
05/09/06 14:23

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6E04009-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 128    | 0.500              | mg/L  | 50       | EE60811 | 05/08/06 | 05/08/06 | EPA 6010B |       |
| Magnesium                                 | 23.2   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 4.32   | 0.0500             | "     | 1        | "       | "        | "        | "         |       |
| Sodium                                    | 88.0   | 0.100              | "     | 10       | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6E04009-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 105    | 0.100              | mg/L  | 10       | EE60811 | 05/08/06 | 05/08/06 | EPA 6010B |       |
| Magnesium                                 | 18.2   | 0.0100             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 3.93   | 0.0500             | "     | 1        | "       | "        | "        | "         |       |
| Sodium                                    | 55.8   | 0.100              | "     | 10       | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6E04009-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 290    | 0.500              | mg/L  | 50       | EE60811 | 05/08/06 | 05/08/06 | EPA 6010B |       |
| Magnesium                                 | 47.2   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 3.32   | 0.500              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 105    | 0.500              | "     | 50       | "       | "        | "        | "         |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
05/09/06 14:23

**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 EE60404 - EPA 5030C (GC)**

**Blank (EE60404-BLK1)**

Prepared & Analyzed: 05/04/06

|                                   |      |         |      |      |  |      |        |  |  |  |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene                           | ND   | 0.00100 | mg/L |      |  |      |        |  |  |  |
| Toluene                           | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (p/m)                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (o)                        | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 36.7 |         | ug/l | 40.0 |  | 91.8 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 33.6 |         | "    | 40.0 |  | 84.0 | 80-120 |  |  |  |

**LCS (EE60404-BS1)**

Prepared & Analyzed: 05/04/06

|                                   |        |         |      |        |  |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene                           | 0.0536 | 0.00100 | mg/L | 0.0500 |  | 107  | 80-120 |  |  |  |
| Toluene                           | 0.0531 | 0.00100 | "    | 0.0500 |  | 106  | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0509 | 0.00100 | "    | 0.0500 |  | 102  | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.117  | 0.00100 | "    | 0.100  |  | 117  | 80-120 |  |  |  |
| Xylene (o)                        | 0.0573 | 0.00100 | "    | 0.0500 |  | 115  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 39.3   |         | ug/l | 40.0   |  | 98.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 39.5   |         | "    | 40.0   |  | 98.8 | 80-120 |  |  |  |

**Calibration Check (EE60404-CCV1)**

Prepared: 05/04/06 Analyzed: 05/05/06

|                                   |      |  |      |      |  |      |        |  |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene                           | 50.2 |  | ug/l | 50.0 |  | 100  | 80-120 |  |  |  |
| Toluene                           | 49.3 |  | "    | 50.0 |  | 98.6 | 80-120 |  |  |  |
| Ethylbenzene                      | 53.0 |  | "    | 50.0 |  | 106  | 80-120 |  |  |  |
| Xylene (p/m)                      | 105  |  | "    | 100  |  | 105  | 80-120 |  |  |  |
| Xylene (o)                        | 52.4 |  | "    | 50.0 |  | 105  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 35.3 |  | "    | 40.0 |  | 88.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 38.2 |  | "    | 40.0 |  | 95.5 | 80-120 |  |  |  |

**Matrix Spike (EE60404-MS1)**

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

|                                   |        |         |      |        |          |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|--|--|--|
| Benzene                           | 0.0626 | 0.00100 | mg/L | 0.0500 | 0.00562  | 114  | 80-120 |  |  |  |
| Toluene                           | 0.0534 | 0.00100 | "    | 0.0500 | ND       | 107  | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0534 | 0.00100 | "    | 0.0500 | 0.000825 | 105  | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.120  | 0.00100 | "    | 0.100  | ND       | 120  | 80-120 |  |  |  |
| Xylene (o)                        | 0.0577 | 0.00100 | "    | 0.0500 | ND       | 115  | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 36.6   |         | ug/l | 40.0   |          | 91.5 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 38.6   |         | "    | 40.0   |          | 96.5 | 80-120 |  |  |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
05/09/06 14:23

**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 EE60404 - EPA 5030C (GC)**

**Matrix Spike Dup (EE60404-MSD1)**

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

|                                   |        |         |      |        |          |     |        |      |    |  |
|-----------------------------------|--------|---------|------|--------|----------|-----|--------|------|----|--|
| Benzene                           | 0.0617 | 0.00100 | mg/L | 0.0500 | 0.00562  | 112 | 80-120 | 1.77 | 20 |  |
| Toluene                           | 0.0526 | 0.00100 | "    | 0.0500 | ND       | 105 | 80-120 | 1.89 | 20 |  |
| Ethylbenzene                      | 0.0532 | 0.00100 | "    | 0.0500 | 0.000825 | 105 | 80-120 | 0.00 | 20 |  |
| Xylene (p/m)                      | 0.117  | 0.00100 | "    | 0.100  | ND       | 117 | 80-120 | 2.53 | 20 |  |
| Xylene (o)                        | 0.0565 | 0.00100 | "    | 0.0500 | ND       | 113 | 80-120 | 1.75 | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 40.9   |         | ug/l | 40.0   |          | 102 | 80-120 |      |    |  |
| Surrogate: 4-Bromofluorobenzene   | 40.0   |         | "    | 40.0   |          | 100 | 80-120 |      |    |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
05/09/06 14:23

**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 |
|------------------------------------------------------|--------|--------------------|-------|-------------------------------|------------------|-------------------------------|----------------|-------|--------------|-------|
| <b>Batch EE60507 - General Preparation (WetChem)</b> |        |                    |       |                               |                  |                               |                |       |              |       |
| <b>Blank (EE60507-BLK1)</b>                          |        |                    |       | Prepared & Analyzed: 05/04/06 |                  |                               |                |       |              |       |
| Chloride                                             | ND     | 0.500              | mg/L  |                               |                  |                               |                |       |              |       |
| Sulfate                                              | ND     | 0.500              | "     |                               |                  |                               |                |       |              |       |
| <b>LCS (EE60507-BS1)</b>                             |        |                    |       | Prepared & Analyzed: 05/04/06 |                  |                               |                |       |              |       |
| Chloride                                             | 9.99   | 0.500              | mg/L  | 10.0                          |                  | 99.9                          | 80-120         |       |              |       |
| Sulfate                                              | 8.53   | 0.500              | "     | 10.0                          |                  | 85.3                          | 80-120         |       |              |       |
| <b>Calibration Check (EE60507-CCV1)</b>              |        |                    |       | Prepared & Analyzed: 05/04/06 |                  |                               |                |       |              |       |
| Chloride                                             | 10.4   |                    | mg/L  | 10.0                          |                  | 104                           | 80-120         |       |              |       |
| Sulfate                                              | 9.15   |                    | "     | 10.0                          |                  | 91.5                          | 80-120         |       |              |       |
| <b>Duplicate (EE60507-DUP1)</b>                      |        |                    |       | Source: 6D28002-02            |                  | Prepared & Analyzed: 05/04/06 |                |       |              |       |
| Sulfate                                              | 52.7   | 0.500              | mg/L  |                               | 53.3             |                               |                | 1.13  | 20           |       |
| Chloride                                             | 62.0   | 0.500              | "     |                               | 62.1             |                               |                | 0.161 | 20           |       |
| <b>Batch EE60814 - General Preparation (WetChem)</b> |        |                    |       |                               |                  |                               |                |       |              |       |
| <b>Blank (EE60814-BLK1)</b>                          |        |                    |       | Prepared & Analyzed: 05/09/06 |                  |                               |                |       |              |       |
| Total Alkalinity                                     | ND     | 2.00               | mg/L  |                               |                  |                               |                |       |              |       |
| <b>LCS (EE60814-BS1)</b>                             |        |                    |       | Prepared & Analyzed: 05/09/06 |                  |                               |                |       |              |       |
| Bicarbonate Alkalinity                               | 214    | 2.00               | mg/L  | 200                           |                  | 107                           | 85-115         |       |              |       |
| <b>Duplicate (EE60814-DUP1)</b>                      |        |                    |       | Source: 6E04009-01            |                  | Prepared & Analyzed: 05/09/06 |                |       |              |       |
| Total Alkalinity                                     | 209    | 2.00               | mg/L  |                               | 208              |                               |                | 0.480 | 20           |       |
| <b>Reference (EE60814-SRM1)</b>                      |        |                    |       | Prepared & Analyzed: 05/09/06 |                  |                               |                |       |              |       |
| Total Alkalinity                                     | 96.0   |                    | mg/L  | 100                           |                  | 96.0                          | 90-110         |       |              |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Reported:**  
05/09/06 14:23

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EE60816 - Filtration Preparation**

**Blank (EE60816-BLK1)**

Prepared: 05/05/06 Analyzed: 05/08/06

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

**Duplicate (EE60816-DUP1)**

Source: 6E04009-01

Prepared: 05/05/06 Analyzed: 05/08/06

|                        |     |      |      |  |     |  |  |      |   |  |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|
| Total Dissolved Solids | 940 | 5.00 | mg/L |  | 904 |  |  | 3.90 | 5 |  |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
05/09/06 14:23

**Total Metals by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|----------------|-----|--------------|-------|

**Batch EE60811 - 6010B/No Digestion**

**Blank (EE60811-BLK1)**

Prepared & Analyzed: 05/08/06

|           |    |         |      |  |  |  |  |  |  |
|-----------|----|---------|------|--|--|--|--|--|--|
| Calcium   | ND | 0.0100  | mg/L |  |  |  |  |  |  |
| Magnesium | ND | 0.00100 | "    |  |  |  |  |  |  |
| Potassium | ND | 0.0500  | "    |  |  |  |  |  |  |
| Sodium    | ND | 0.0100  | "    |  |  |  |  |  |  |

**Calibration Check (EE60811-CCV1)**

Prepared & Analyzed: 05/08/06

|           |      |  |      |      |  |      |        |  |  |
|-----------|------|--|------|------|--|------|--------|--|--|
| Calcium   | 2.20 |  | mg/L | 2.00 |  | 110  | 85-115 |  |  |
| Magnesium | 2.28 |  | "    | 2.00 |  | 114  | 85-115 |  |  |
| Potassium | 1.74 |  | "    | 2.00 |  | 87.0 | 85-115 |  |  |
| Sodium    | 1.84 |  | "    | 2.00 |  | 92.0 | 85-115 |  |  |

**Duplicate (EE60811-DUP1)**

Source: 6E04009-01

Prepared & Analyzed: 05/08/06

|           |      |        |      |  |      |  |  |       |    |
|-----------|------|--------|------|--|------|--|--|-------|----|
| Calcium   | 130  | 0.500  | mg/L |  | 128  |  |  | 1.55  | 20 |
| Magnesium | 22.5 | 0.0100 | "    |  | 23.2 |  |  | 3.06  | 20 |
| Potassium | 4.11 | 0.0500 | "    |  | 4.32 |  |  | 4.98  | 20 |
| Sodium    | 87.6 | 0.100  | "    |  | 88.0 |  |  | 0.456 | 20 |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471  
**Reported:**  
05/09/06 14:23

### 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:

*Raland K. Tuttle*

Date:

5/9/2006

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.

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Environmental Lab of Texas

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# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.  
 Date/Time: 5/4/04 10:50  
 Order #: 16E040  
 Initials: CK

### Sample Receipt Checklist

|                                                           |                |    |                |   |
|-----------------------------------------------------------|----------------|----|----------------|---|
| Temperature of container/cooler?                          | Yes            | No | 0.5            | C |
| Shipping container/cooler in good condition?              | <del>Yes</del> | No |                |   |
| Custody Seals intact on shipping container/cooler?        | Yes            | No | Not present    |   |
| Custody Seals intact on sample bottles?                   | Yes            | No | Not present    |   |
| Chain of custody present?                                 | Yes            | No |                |   |
| Sample Instructions complete on Chain of Custody?         | Yes            | No |                |   |
| Chain of Custody signed when relinquished and received?   | Yes            | No |                |   |
| Chain of custody agrees with sample label(s)              | Yes            | No |                |   |
| Container labels legible and intact?                      | Yes            | No |                |   |
| Sample Matrix and properties same as on chain of custody? | Yes            | No |                |   |
| Samples in proper container/bottle?                       | Yes            | No |                |   |
| Samples properly preserved?                               | Yes            | No |                |   |
| Sample bottles intact?                                    | Yes            | No |                |   |
| Preservations documented on Chain of Custody?             | Yes            | No |                |   |
| Containers documented on Chain of Custody?                | Yes            | No |                |   |
| Sufficient sample amount for indicated test?              | Yes            | No |                |   |
| All samples received within sufficient hold time?         | Yes            | No |                |   |
| VOC samples have zero headspace?                          | <del>Yes</del> | No | Not Applicable |   |

Other observations:

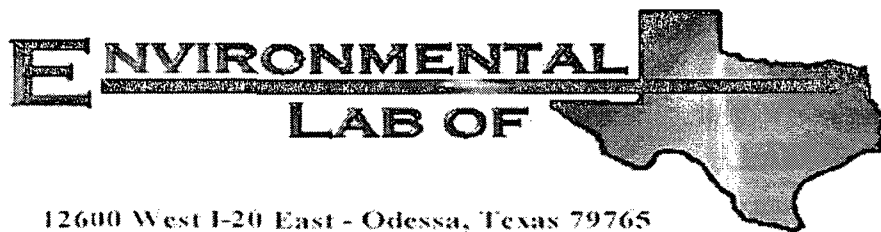
\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Variance Documentation:

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs F-29 SWD

Project Number: None Given

Location: Lea County

Lab Order Number: 6H11010

Report Date: 08/18/06

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------------|---------------|--------|----------------|------------------|
| Monitor Well #2 | 6H11010-01    | Water  | 08/09/06 10:35 | 08-11-2006 10:15 |
| Monitor Well #3 | 6H11010-02    | Water  | 08/09/06 08:55 | 08-11-2006 10:15 |
| Monitor Well #4 | 6H11010-03    | Water  | 08/09/06 11:55 | 08-11-2006 10:15 |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6H11010-01) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EH61419 | 08/14/06 | 08/15/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 100 %              | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 95.8 %             | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6H11010-02) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EH61419 | 08/14/06 | 08/15/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 98.2 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 81.5 %             | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6H11010-03) Water</b> |        |                    |        |          |         |          |          |           |       |
| Benzene                                   | ND     | 0.00100            | mg/L   | 1        | EH61419 | 08/14/06 | 08/15/06 | EPA 8021B |       |
| Toluene                                   | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND     | 0.00100            | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |        | 85.8 %             | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |        | 93.0 %             | 80-120 |          | "       | "        | "        | "         |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>Monitor Well #2 (6H11010-01) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 222    | 2.00               | mg/L  | 1        | EH61505 | 08/14/06 | 08/14/06 | EPA 310.1M |       |
| Chloride                                  | 221    | 5.00               | "     | 10       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 914    | 10.0               | "     | 1        | EH61614 | 08/15/06 | 08/16/06 | EPA 160.1  |       |
| Sulfate                                   | 109    | 5.00               | "     | 10       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |
| <b>Monitor Well #3 (6H11010-02) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 220    | 2.00               | mg/L  | 1        | EH61505 | 08/14/06 | 08/14/06 | EPA 310.1M |       |
| Chloride                                  | 80.0   | 5.00               | "     | 10       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 594    | 10.0               | "     | 1        | EH61614 | 08/15/06 | 08/16/06 | EPA 160.1  |       |
| Sulfate                                   | 150    | 5.00               | "     | 10       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |
| <b>Monitor Well #4 (6H11010-03) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 106    | 2.00               | mg/L  | 1        | EH61505 | 08/14/06 | 08/14/06 | EPA 310.1M |       |
| Chloride                                  | 493    | 12.5               | "     | 25       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 1870   | 10.0               | "     | 1        | EH61614 | 08/15/06 | 08/16/06 | EPA 160.1  |       |
| Sulfate                                   | 185    | 12.5               | "     | 25       | EH61108 | 08/11/06 | 08/11/06 | EPA 300.0  |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6H11010-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 128    | 0.500              | mg/L  | 50       | EH61420 | 08/14/06 | 08/14/06 | EPA 6010B |       |
| Magnesium                                 | 24.1   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 2.49   | 0.500              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 94.5   | 0.100              | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6H11010-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 94.0   | 0.100              | mg/L  | 10       | EH61420 | 08/14/06 | 08/14/06 | EPA 6010B |       |
| Magnesium                                 | 17.0   | 0.0100             | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 2.01   | 0.500              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 57.4   | 0.100              | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6H11010-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 263    | 0.500              | mg/L  | 50       | EH61420 | 08/14/06 | 08/14/06 | EPA 6010B |       |
| Magnesium                                 | 42.0   | 0.0100             | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 2.65   | 0.500              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 119    | 0.500              | "     | 50       | "       | "        | "        | "         |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

| Analyte                                 | Result | Reporting<br>Limit            | Units                         | Spike<br>Level | Source<br>Result | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|-----------------------------------------|--------|-------------------------------|-------------------------------|----------------|------------------|----------------|--------|--------------|-------|
| <b>Batch EH61419 - EPA 5030C (GC)</b>   |        |                               |                               |                |                  |                |        |              |       |
| <b>Blank (EH61419-BLK1)</b>             |        | Prepared & Analyzed: 08/14/06 |                               |                |                  |                |        |              |       |
| Benzene                                 | ND     | 0.00100                       | mg/L                          |                |                  |                |        |              |       |
| Toluene                                 | ND     | 0.00100                       | "                             |                |                  |                |        |              |       |
| Ethylbenzene                            | ND     | 0.00100                       | "                             |                |                  |                |        |              |       |
| Xylene (p/m)                            | ND     | 0.00100                       | "                             |                |                  |                |        |              |       |
| Xylene (o)                              | ND     | 0.00100                       | "                             |                |                  |                |        |              |       |
| Surrogate: a,a,a-Trifluorotoluene       | 36.9   |                               | ug/l                          | 40.0           |                  | 92.2           | 80-120 |              |       |
| Surrogate: 4-Bromofluorobenzene         | 38.0   |                               | "                             | 40.0           |                  | 95.0           | 80-120 |              |       |
| <b>LCS (EH61419-BS1)</b>                |        | Prepared & Analyzed: 08/14/06 |                               |                |                  |                |        |              |       |
| Benzene                                 | 0.0467 | 0.00100                       | mg/L                          | 0.0500         |                  | 93.4           | 80-120 |              |       |
| Toluene                                 | 0.0493 | 0.00100                       | "                             | 0.0500         |                  | 98.6           | 80-120 |              |       |
| Ethylbenzene                            | 0.0516 | 0.00100                       | "                             | 0.0500         |                  | 103            | 80-120 |              |       |
| Xylene (p/m)                            | 0.119  | 0.00100                       | "                             | 0.100          |                  | 119            | 80-120 |              |       |
| Xylene (o)                              | 0.0576 | 0.00100                       | "                             | 0.0500         |                  | 115            | 80-120 |              |       |
| Surrogate: a,a,a-Trifluorotoluene       | 39.6   |                               | ug/l                          | 40.0           |                  | 99.0           | 80-120 |              |       |
| Surrogate: 4-Bromofluorobenzene         | 47.1   |                               | "                             | 40.0           |                  | 118            | 80-120 |              |       |
| <b>Calibration Check (EH61419-CCV1)</b> |        | Prepared & Analyzed: 08/14/06 |                               |                |                  |                |        |              |       |
| Benzene                                 | 50.7   |                               | ug/l                          | 50.0           |                  | 101            | 80-120 |              |       |
| Toluene                                 | 50.8   |                               | "                             | 50.0           |                  | 102            | 80-120 |              |       |
| Ethylbenzene                            | 51.1   |                               | "                             | 50.0           |                  | 102            | 80-120 |              |       |
| Xylene (p/m)                            | 106    |                               | "                             | 100            |                  | 106            | 80-120 |              |       |
| Xylene (o)                              | 53.0   |                               | "                             | 50.0           |                  | 106            | 80-120 |              |       |
| Surrogate: a,a,a-Trifluorotoluene       | 37.5   |                               | "                             | 40.0           |                  | 93.8           | 80-120 |              |       |
| Surrogate: 4-Bromofluorobenzene         | 42.6   |                               | "                             | 40.0           |                  | 106            | 80-120 |              |       |
| <b>Matrix Spike (EH61419-MS1)</b>       |        | Source: 6H14004-04            | Prepared & Analyzed: 08/14/06 |                |                  |                |        |              |       |
| Benzene                                 | 0.0481 | 0.00100                       | mg/L                          | 0.0500         | ND               | 96.2           | 80-120 |              |       |
| Toluene                                 | 0.0536 | 0.00100                       | "                             | 0.0500         | ND               | 107            | 80-120 |              |       |
| Ethylbenzene                            | 0.0540 | 0.00100                       | "                             | 0.0500         | ND               | 108            | 80-120 |              |       |
| Xylene (p/m)                            | 0.119  | 0.00100                       | "                             | 0.100          | ND               | 119            | 80-120 |              |       |
| Xylene (o)                              | 0.0583 | 0.00100                       | "                             | 0.0500         | ND               | 117            | 80-120 |              |       |
| Surrogate: a,a,a-Trifluorotoluene       | 41.5   |                               | ug/l                          | 40.0           |                  | 104            | 80-120 |              |       |
| Surrogate: 4-Bromofluorobenzene         | 48.0   |                               | "                             | 40.0           |                  | 120            | 80-120 |              |       |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 EH61419 - EPA 5030C (GC)**

**Matrix Spike Dup (EH61419-MSD1)**

Source: 6H14004-04

Prepared & Analyzed: 08/14/06

|                                   |        |         |      |        |    |      |        |      |    |  |
|-----------------------------------|--------|---------|------|--------|----|------|--------|------|----|--|
| Benzene                           | 0.0474 | 0.00100 | mg/L | 0.0500 | ND | 94.8 | 80-120 | 1.47 | 20 |  |
| Toluene                           | 0.0536 | 0.00100 | "    | 0.0500 | ND | 107  | 80-120 | 0.00 | 20 |  |
| Ethylbenzene                      | 0.0496 | 0.00100 | "    | 0.0500 | ND | 99.2 | 80-120 | 8.49 | 20 |  |
| Xylene (p/m)                      | 0.116  | 0.00100 | "    | 0.100  | ND | 116  | 80-120 | 2.55 | 20 |  |
| Xylene (o)                        | 0.0551 | 0.00100 | "    | 0.0500 | ND | 110  | 80-120 | 6.17 | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 38.2   |         | ug/l | 40.0   |    | 95.5 | 80-120 |      |    |  |
| Surrogate: 4-Bromofluorobenzene   | 47.8   |         | "    | 40.0   |    | 120  | 80-120 |      |    |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 |
|------------------------------------------------------|--------|---------------------------|-------|-------------------------------|------------------|------|----------------|-------|--------------|-------|
| <b>Batch EH61108 - General Preparation (WetChem)</b> |        |                           |       |                               |                  |      |                |       |              |       |
| <b>Blank (EH61108-BLK1)</b>                          |        |                           |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Sulfate                                              | ND     | 5.00                      | mg/L  |                               |                  |      |                |       |              |       |
| Chloride                                             | ND     | 2.00                      | "     |                               |                  |      |                |       |              |       |
| <b>LCS (EH61108-BS1)</b>                             |        |                           |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Chloride                                             | 9.36   | 2.00                      | mg/L  | 10.0                          |                  | 93.6 | 80-120         |       |              |       |
| Sulfate                                              | 8.05   | 5.00                      | "     | 10.0                          |                  | 80.5 | 80-120         |       |              |       |
| <b>Calibration Check (EH61108-CCV1)</b>              |        |                           |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Chloride                                             | 10.0   |                           | mg/L  | 10.0                          |                  | 100  | 80-120         |       |              |       |
| Sulfate                                              | 11.2   |                           | "     | 10.0                          |                  | 112  | 80-120         |       |              |       |
| <b>Duplicate (EH61108-DUP1)</b>                      |        | <b>Source: 6H11008-01</b> |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Sulfate                                              | 75.5   | 250                       | mg/L  |                               | 75.0             |      |                | 0.664 | 20           | J     |
| Chloride                                             | 915    | 100                       | "     |                               | 912              |      |                | 0.328 | 20           |       |
| <b>Duplicate (EH61108-DUP2)</b>                      |        | <b>Source: 6H11011-02</b> |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Sulfate                                              | 326    | 125                       | mg/L  |                               | 317              |      |                | 2.80  | 20           |       |
| Chloride                                             | 240    | 50.0                      | "     |                               | 240              |      |                | 0.00  | 20           |       |
| <b>Matrix Spike (EH61108-MS1)</b>                    |        | <b>Source: 6H11008-01</b> |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Sulfate                                              | 522    | 250                       | mg/L  | 500                           | 75.0             | 89.4 | 75-125         |       |              |       |
| Chloride                                             | 1480   | 100                       | "     | 500                           | 912              | 114  | 80-120         |       |              |       |
| <b>Matrix Spike (EH61108-MS2)</b>                    |        | <b>Source: 6H11011-02</b> |       | Prepared & Analyzed: 08/11/06 |                  |      |                |       |              |       |
| Sulfate                                              | 625    | 125                       | mg/L  | 250                           | 317              | 123  | 80-120         |       |              | S-07  |
| Chloride                                             | 554    | 50.0                      | "     | 250                           | 240              | 126  | 80-120         |       |              | S-07  |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EH61505 - General Preparation (WetChem)**

**Blank (EH61505-BLK1)**

Prepared & Analyzed: 08/14/06

Total Alkalinity ND 2.00 mg/L

**LCS (EH61505-BS1)**

Prepared & Analyzed: 08/14/06

Bicarbonate Alkalinity 202 2.00 mg/L 200 101 85-115

**Duplicate (EH61505-DUP1)**

Source: 6H10007-01

Prepared & Analyzed: 08/14/06

Total Alkalinity 136 2.00 mg/L 140 2.90 20

**Reference (EH61505-SRM1)**

Prepared & Analyzed: 08/14/06

Total Alkalinity 78.0 mg/L 82.7 94.3 90-110

**Batch EH61614 - Filtration Preparation**

**Blank (EH61614-BLK1)**

Prepared: 08/15/06 Analyzed: 08/16/06

Total Dissolved Solids ND 10.0 mg/L

**Duplicate (EH61614-DUP1)**

Source: 6H11011-02

Prepared: 08/15/06 Analyzed: 08/16/06

Total Dissolved Solids 1410 10.0 mg/L 1440 2.11 5

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals 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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EH61420 - 6010B/No Digestion**

**Blank (EH61420-BLK1)**

Prepared & Analyzed: 08/14/06

|           |    |        |      |  |  |  |  |  |  |  |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium   | ND | 0.0100 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.0100 | "    |  |  |  |  |  |  |  |
| Potassium | ND | 0.0500 | "    |  |  |  |  |  |  |  |
| Sodium    | ND | 0.0100 | "    |  |  |  |  |  |  |  |

**Calibration Check (EH61420-CCV1)**

Prepared & Analyzed: 08/14/06

|           |      |  |      |      |  |      |        |  |  |  |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium   | 2.06 |  | mg/L | 2.00 |  | 103  | 85-115 |  |  |  |
| Magnesium | 2.24 |  | "    | 2.00 |  | 112  | 85-115 |  |  |  |
| Potassium | 1.74 |  | "    | 2.00 |  | 87.0 | 85-115 |  |  |  |
| Sodium    | 1.72 |  | "    | 2.00 |  | 86.0 | 85-115 |  |  |  |

**Duplicate (EH61420-DUP1)**

Source: 6H11008-01

Prepared & Analyzed: 08/14/06

|           |      |       |      |  |      |  |  |      |    |  |
|-----------|------|-------|------|--|------|--|--|------|----|--|
| Calcium   | 243  | 0.500 | mg/L |  | 238  |  |  | 2.08 | 20 |  |
| Magnesium | 30.0 | 0.100 | "    |  | 30.6 |  |  | 1.98 | 20 |  |
| Potassium | 6.84 | 0.500 | "    |  | 7.47 |  |  | 8.81 | 20 |  |
| Sodium    | 463  | 0.500 | "    |  | 447  |  |  | 3.52 | 20 |  |

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### 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. Tuttle*

Date:

8/18/2006

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

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

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**112600 West I-20 East  
Odessa, Texas 79765**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope [kpope@riceswd.com](mailto:kpope@riceswd.com)

**Project Name:** Hobbs F-29 SWD

Company Name RICE Operating Company

**Project #:**

Company Address: 122 W. Taylor Street

Project Loc: Lea County

City/State/Zip: Hobbs, New Mexico 88240

PO#:

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

**Sampler Signature:** Rozanne Johnson (505) 631-9310

Email: [rozanne@valornet.com](mailto:rozanne@valornet.com)

[illegible]

**Special instructions:**

PLEASE Email RESULTS TO: [kpope@riceswd.com](mailto:kpope@riceswd.com) & [mfranks@riceswd.com](mailto:mfranks@riceswd.com)  
[rozanne@valonet.com](mailto:rozanne@valonet.com)

| Sample Containers Intact? | Yes | No |
|---------------------------|-----|----|
|                           |     |    |

## Labels on container?

Custody Seals, Containers & Cooler

Temperature Upon Receipt

**Laboratory Comments:**

Time

Date \_\_\_\_\_

[illegible]

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Received

Time

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

ent: Rice Op.  
 te/ Time: 8/11/06 10:15  
 ID #: 64110P  
 ials: OK

**Sample Receipt Checklist**

Client Initials

|                                                          |                |    |                          |  |
|----------------------------------------------------------|----------------|----|--------------------------|--|
| Temperature of container/ cooler?                        | Yes            | No | 3.0 °C                   |  |
| Shipping container in good condition?                    | <del>Yes</del> | No |                          |  |
| Custody Seals intact on shipping container/ cooler?      | <del>Yes</del> | No | Not Present              |  |
| Custody Seals intact on sample bottles/ container?       | <del>Yes</del> | No | Not Present              |  |
| Chain of Custody present?                                | <del>Yes</del> | No |                          |  |
| Sample instructions complete of Chain of Custody?        | <del>Yes</del> | No |                          |  |
| Chain of Custody signed when relinquished/ received?     | <del>Yes</del> | No |                          |  |
| Chain of Custody agrees with sample label(s)?            | <del>Yes</del> | No | ID written on Cont./ Lid |  |
| Container label(s) legible and intact?                   | <del>Yes</del> | No | Not Applicable           |  |
| 0 Sample matrix/ properties agree with Chain of Custody? | <del>Yes</del> | No |                          |  |
| 1 Containers supplied by ELOT?                           | <del>Yes</del> | No |                          |  |
| 2 Samples in proper container/ bottle?                   | <del>Yes</del> | No | See Below                |  |
| 3 Samples properly preserved?                            | <del>Yes</del> | No | See Below                |  |
| 4 Sample bottles intact?                                 | <del>Yes</del> | No |                          |  |
| 5 Preservations documented on Chain of Custody?          | <del>Yes</del> | No |                          |  |
| 6 Containers documented on Chain of Custody?             | <del>Yes</del> | No |                          |  |
| 7 Sufficient sample amount for indicated test(s)?        | <del>Yes</del> | No | See Below                |  |
| 8 All samples received within sufficient hold time?      | <del>Yes</del> | No | See Below                |  |
| 9 VOC samples have zero headspace?                       | <del>Yes</del> | No | Not Applicable           |  |

**Variance Documentation**

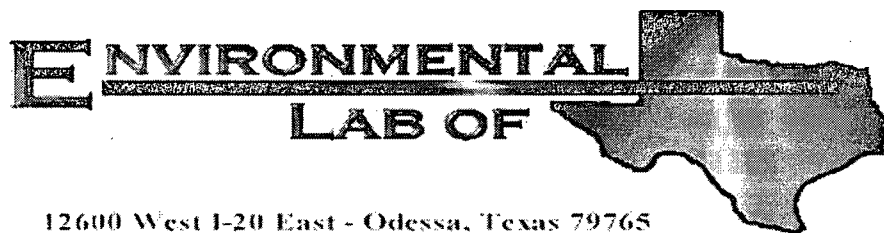
ntact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

garding: \_\_\_\_\_

rrective Action Taken:

heck 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:**

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs F-29 SWD

Project Number: None Given

Location: T18S-R38E-Sec29F, Lea Co., NM

Lab Order Number: 6J19007

Report Date: 10/31/06

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------------|---------------|--------|----------------|------------------|
| Monitor Well #2 | 6J19007-01    | Water  | 10/16/06 14:15 | 10-19-2006 10:15 |
| Monitor Well #3 | 6J19007-02    | Water  | 10/16/06 16:00 | 10-19-2006 10:15 |
| Monitor Well #4 | 6J19007-03    | Water  | 10/16/06 13:55 | 10-19-2006 10:15 |



Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC**  
**Environmental Lab of Texas**

| Analyte                                   | Result       | Reporting Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6J19007-01) Water</b> |              |                 |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100         | mg/L   | 1        | EJ62301 | 10/23/06 | 10/24/06 | EPA 8021B |       |
| Toluene                                   | I [0.000790] | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | I [0.000356] | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | I [0.000940] | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 91.2 %          | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 84.8 %          | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6J19007-02) Water</b> |              |                 |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100         | mg/L   | 1        | EJ62301 | 10/23/06 | 10/24/06 | EPA 8021B |       |
| Toluene                                   | I [0.000950] | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | I [0.000404] | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | 0.00105      | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 92.2 %          | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 86.5 %          | 80-120 |          | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6J19007-03) Water</b> |              |                 |        |          |         |          |          |           |       |
| Benzene                                   | ND           | 0.00100         | mg/L   | 1        | EJ62301 | 10/23/06 | 10/24/06 | EPA 8021B |       |
| Toluene                                   | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Ethylbenzene                              | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (p/m)                              | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Xylene (o)                                | ND           | 0.00100         | "      | "        | "       | "        | "        | "         |       |
| Surrogate: a,a,a-Trifluorotoluene         |              | 91.5 %          | 80-120 |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene           |              | 99.0 %          | 80-120 |          | "       | "        | "        | "         |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method     | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| <b>Monitor Well #2 (6J19007-01) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 234    | 2.00               | mg/L  | 1        | EJ62306 | 10/20/06 | 10/20/06 | EPA 310.1M |       |
| Chloride                                  | 258    | 5.00               | "     | 10       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 1040   | 10.0               | "     | 1        | EJ61903 | 10/19/06 | 10/19/06 | EPA 160.1  |       |
| Sulfate                                   | 116    | 5.00               | "     | 10       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |
| <b>Monitor Well #3 (6J19007-02) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 196    | 2.00               | mg/L  | 1        | EJ62306 | 10/20/06 | 10/20/06 | EPA 310.1M |       |
| Chloride                                  | 88.9   | 5.00               | "     | 10       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 616    | 10.0               | "     | 1        | EJ61903 | 10/19/06 | 10/19/06 | EPA 160.1  |       |
| Sulfate                                   | 135    | 5.00               | "     | 10       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |
| <b>Monitor Well #4 (6J19007-03) Water</b> |        |                    |       |          |         |          |          |            |       |
| Total Alkalinity                          | 228    | 2.00               | mg/L  | 1        | EJ62306 | 10/20/06 | 10/20/06 | EPA 310.1M |       |
| Chloride                                  | 683    | 12.5               | "     | 25       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |
| Total Dissolved Solids                    | 2570   | 10.0               | "     | 1        | EJ61903 | 10/19/06 | 10/19/06 | EPA 160.1  |       |
| Sulfate                                   | 284    | 12.5               | "     | 25       | EJ62101 | 10/19/06 | 10/20/06 | EPA 300.0  |       |

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD -  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals by EPA / Standard Methods**  
**Environmental Lab of Texas**

| Analyte                                   | Result | Reporting<br>Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|-------------------------------------------|--------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| <b>Monitor Well #2 (6J19007-01) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 145    | 4.05               | mg/L  | 50       | EJ62023 | 10/20/06 | 10/20/06 | EPA 6010B |       |
| Magnesium                                 | 35.4   | 0.360              | "     | 10       | "       | "        | "        | "         |       |
| Potassium                                 | 5.57   | 0.600              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 96.6   | 2.15               | "     | 50       | "       | "        | "        | "         |       |
| <b>Monitor Well #3 (6J19007-02) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 91.1   | 0.810              | mg/L  | 10       | EJ62023 | 10/20/06 | 10/20/06 | EPA 6010B |       |
| Magnesium                                 | 15.0   | 0.360              | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 2.03   | 0.600              | "     | "        | "       | "        | "        | "         |       |
| Sodium                                    | 48.2   | 0.430              | "     | "        | "       | "        | "        | "         |       |
| <b>Monitor Well #4 (6J19007-03) Water</b> |        |                    |       |          |         |          |          |           |       |
| Calcium                                   | 346    | 4.05               | mg/L  | 50       | EJ62023 | 10/20/06 | 10/20/06 | EPA 6010B |       |
| Magnesium                                 | 67.0   | 1.80               | "     | "        | "       | "        | "        | "         |       |
| Potassium                                 | 3.71   | 0.600              | "     | 10       | "       | "        | "        | "         |       |
| Sodium                                    | 151    | 2.15               | "     | 50       | "       | "        | "        | "         |       |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 EJ62301 - EPA 5030C (GC)**

**Blank (EJ62301-BLK1)**

Prepared: 10/23/06 Analyzed: 10/24/06

|                                   |      |         |      |      |  |      |        |  |  |  |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene                           | ND   | 0.00100 | mg/L |      |  |      |        |  |  |  |
| Toluene                           | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Ethylbenzene                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (p/m)                      | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Xylene (o)                        | ND   | 0.00100 | "    |      |  |      |        |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 34.7 |         | ug/l | 40.0 |  | 86.8 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 34.3 |         | "    | 40.0 |  | 85.8 | 80-120 |  |  |  |

**LCS (EJ62301-BS1)**

Prepared: 10/23/06 Analyzed: 10/24/06

|                                   |        |         |      |        |  |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene                           | 0.0481 | 0.00100 | mg/L | 0.0500 |  | 96.2 | 80-120 |  |  |  |
| Toluene                           | 0.0490 | 0.00100 | "    | 0.0500 |  | 98.0 | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0500 | 0.00100 | "    | 0.0500 |  | 100  | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0980 | 0.00100 | "    | 0.100  |  | 98.0 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0484 | 0.00100 | "    | 0.0500 |  | 96.8 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 36.5   |         | ug/l | 40.0   |  | 91.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 40.5   |         | "    | 40.0   |  | 101  | 80-120 |  |  |  |

**Calibration Check (EJ62301-CCV1)**

Prepared: 10/23/06 Analyzed: 10/25/06

|                                   |      |  |      |      |  |      |        |  |  |  |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene                           | 51.6 |  | ug/l | 50.0 |  | 103  | 80-120 |  |  |  |
| Toluene                           | 49.4 |  | "    | 50.0 |  | 98.8 | 80-120 |  |  |  |
| Ethylbenzene                      | 52.2 |  | "    | 50.0 |  | 104  | 80-120 |  |  |  |
| Xylene (p/m)                      | 93.3 |  | "    | 100  |  | 93.3 | 80-120 |  |  |  |
| Xylene (o)                        | 47.8 |  | "    | 50.0 |  | 95.6 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 40.3 |  | "    | 40.0 |  | 101  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 35.7 |  | "    | 40.0 |  | 89.2 | 80-120 |  |  |  |

**Matrix Spike (EJ62301-MS1)**

Source: 6J19031-08

Prepared: 10/23/06 Analyzed: 10/26/06

|                                   |        |         |      |        |    |      |        |  |  |  |
|-----------------------------------|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene                           | 0.0464 | 0.00100 | mg/L | 0.0500 | ND | 92.8 | 80-120 |  |  |  |
| Toluene                           | 0.0470 | 0.00100 | "    | 0.0500 | ND | 94.0 | 80-120 |  |  |  |
| Ethylbenzene                      | 0.0486 | 0.00100 | "    | 0.0500 | ND | 97.2 | 80-120 |  |  |  |
| Xylene (p/m)                      | 0.0915 | 0.00100 | "    | 0.100  | ND | 91.5 | 80-120 |  |  |  |
| Xylene (o)                        | 0.0475 | 0.00100 | "    | 0.0500 | ND | 95.0 | 80-120 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 38.4   |         | ug/l | 40.0   |    | 96.0 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 39.0   |         | "    | 40.0   |    | 97.5 | 80-120 |  |  |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 EJ62301 - EPA 5030C (GC)**

**Matrix Spike Dup (EJ62301-MSD1)**

**Source: 6J19031-08**

Prepared: 10/23/06 Analyzed: 10/26/06

|                                   |        |         |      |        |    |      |        |      |    |  |
|-----------------------------------|--------|---------|------|--------|----|------|--------|------|----|--|
| Benzene                           | 0.0476 | 0.00100 | mg/L | 0.0500 | ND | 95.2 | 80-120 | 2.55 | 20 |  |
| Toluene                           | 0.0476 | 0.00100 | "    | 0.0500 | ND | 95.2 | 80-120 | 1.27 | 20 |  |
| Ethylbenzene                      | 0.0502 | 0.00100 | "    | 0.0500 | ND | 100  | 80-120 | 2.84 | 20 |  |
| Xylene (p/m)                      | 0.0927 | 0.00100 | "    | 0.100  | ND | 92.7 | 80-120 | 1.30 | 20 |  |
| Xylene (o)                        | 0.0480 | 0.00100 | "    | 0.0500 | ND | 96.0 | 80-120 | 1.05 | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 38.6   |         | ug/l | 40.0   |    | 96.5 | 80-120 |      |    |  |
| Surrogate: 4-Bromofluorobenzene   | 38.1   |         | "    | 40.0   |    | 95.2 | 80-120 |      |    |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EJ61903 - Filtration Preparation**

**Blank (EJ61903-BLK1)**

Prepared & Analyzed: 10/19/06

Total Dissolved Solids ND 10.0 mg/L

**Duplicate (EJ61903-DUP1)**

Source: 6J17006-01

Prepared & Analyzed: 10/19/06

Total Dissolved Solids 6890 10.0 mg/L 6600 4.30 5

**Duplicate (EJ61903-DUP2)**

Source: 6J19008-04

Prepared & Analyzed: 10/19/06

Total Dissolved Solids 6790 10.0 mg/L 6560 3.45 5

**Batch EJ62101 - General Preparation (WetChem)**

**Blank (EJ62101-BLK1)**

Prepared: 10/19/06 Analyzed: 10/20/06

Chloride ND 0.500 mg/L

Sulfate ND 0.500 "

**LCS (EJ62101-BS1)**

Prepared: 10/19/06 Analyzed: 10/20/06

Sulfate 11.5 0.500 mg/L 10.0 115 80-120

Chloride 10.5 0.500 " 10.0 105 80-120

**Calibration Check (EJ62101-CCV1)**

Prepared: 10/19/06 Analyzed: 10/20/06

Chloride 10.8 mg/L 10.0 108 80-120

Sulfate 11.9 " 10.0 119 80-120

**Duplicate (EJ62101-DUP1)**

Source: 6J17007-01

Prepared: 10/19/06 Analyzed: 10/20/06

Sulfate 163 5.00 mg/L 164 0.612 20

Chloride 256 5.00 " 256 0.00 20

**Duplicate (EJ62101-DUP2)**

Source: 6J19010-02

Prepared: 10/19/06 Analyzed: 10/20/06

Sulfate 32.9 2.50 mg/L 32.7 0.610 20

Chloride 20.2 2.50 " 19.9 1.50 20

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EJ62101 - General Preparation (WetChem)**

**Matrix Spike (EJ62101-MS1)** Source: 6J17007-01 Prepared: 10/19/06 Analyzed: 10/20/06

|          |     |      |      |     |     |      |        |  |  |  |
|----------|-----|------|------|-----|-----|------|--------|--|--|--|
| Chloride | 375 | 5.00 | mg/L | 100 | 256 | 119  | 80-120 |  |  |  |
| Sulfate  | 263 | 5.00 | "    | 100 | 164 | 99.0 | 80-120 |  |  |  |

**Matrix Spike (EJ62101-MS2)** Source: 6J19010-02 Prepared: 10/19/06 Analyzed: 10/20/06

|          |      |      |      |      |      |     |        |  |  |  |
|----------|------|------|------|------|------|-----|--------|--|--|--|
| Sulfate  | 83.7 | 2.50 | mg/L | 50.0 | 32.7 | 102 | 80-120 |  |  |  |
| Chloride | 77.7 | 2.50 | "    | 50.0 | 19.9 | 116 | 80-120 |  |  |  |

**Batch EJ62306 - General Preparation (WetChem)**

**Blank (EJ62306-BLK1)** Prepared & Analyzed: 10/20/06

|                      |    |       |      |  |  |  |  |  |  |  |
|----------------------|----|-------|------|--|--|--|--|--|--|--|
| Total Alkalinity     | ND | 2.00  | mg/L |  |  |  |  |  |  |  |
| Hydroxide Alkalinity | ND | 0.100 | "    |  |  |  |  |  |  |  |

**Duplicate (EJ62306-DUP1)** Source: 6J19007-01 Prepared & Analyzed: 10/20/06

|                  |     |      |      |  |     |  |  |      |    |  |
|------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Alkalinity | 230 | 2.00 | mg/L |  | 234 |  |  | 1.72 | 20 |  |
|------------------|-----|------|------|--|-----|--|--|------|----|--|

**Reference (EJ62306-SRM1)** Prepared & Analyzed: 10/20/06

|                  |     |  |      |     |  |      |        |  |  |  |
|------------------|-----|--|------|-----|--|------|--------|--|--|--|
| Total Alkalinity | 244 |  | mg/L | 250 |  | 97.6 | 90-110 |  |  |  |
|------------------|-----|--|------|-----|--|------|--------|--|--|--|

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Total Metals 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 |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch EJ62023 - 6010B/No Digestion**

**Blank (EJ62023-BLK1)**

Prepared & Analyzed: 10/20/06

|           |    |        |      |  |  |  |  |  |  |  |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium   | ND | 0.0810 | mg/L |  |  |  |  |  |  |  |
| Magnesium | ND | 0.0360 | "    |  |  |  |  |  |  |  |
| Potassium | ND | 0.0600 | "    |  |  |  |  |  |  |  |
| Sodium    | ND | 0.0430 | "    |  |  |  |  |  |  |  |

**Calibration Check (EJ62023-CCV1)**

Prepared & Analyzed: 10/20/06

|           |      |  |      |      |  |      |        |  |  |  |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium   | 2.07 |  | mg/L | 2.00 |  | 104  | 85-115 |  |  |  |
| Magnesium | 2.04 |  | "    | 2.00 |  | 102  | 85-115 |  |  |  |
| Potassium | 2.08 |  | "    | 2.00 |  | 104  | 85-115 |  |  |  |
| Sodium    | 1.72 |  | "    | 2.00 |  | 86.0 | 85-115 |  |  |  |

**Duplicate (EJ62023-DUP1)**

Source: 6J19007-01

Prepared & Analyzed: 10/20/06

|           |      |       |      |  |      |  |  |      |    |  |
|-----------|------|-------|------|--|------|--|--|------|----|--|
| Calcium   | 145  | 4.05  | mg/L |  | 145  |  |  | 0.00 | 20 |  |
| Magnesium | 34.2 | 0.360 | "    |  | 35.4 |  |  | 3.45 | 20 |  |
| Potassium | 5.37 | 0.600 | "    |  | 5.57 |  |  | 3.66 | 20 |  |
| Sodium    | 97.6 | 2.15  | "    |  | 96.6 |  |  | 1.03 | 20 |  |

Environmental Lab of Texas

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Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: Hobbs F-29 SWD  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### 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:

*Raland K. Tuttle*

Date:

10/31/2006

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.

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

12600 West 120 East  
Odessa, Texas 79768

Phone: 432-563-1800  
Fax: 432-583-1713

# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Protest Manager: Kristln Farria Pope** [kpope@priceswd.com](mailto:kpope@priceswd.com)

**Hobbs F-29 SWD**

Company Name RICE Operating Company

**Project Number:**

**Company Address: 122 W. Taylor Street**

TT18S-R38E-Sec28F, Lea County NM

City/State/Zip: Hobbs, New Mexico 88240

**PQ Number:**

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

**Sampler Signature: Rozanne Johnson (505) 631-9310**

1-9310

Email: [rozanna@valgrinet.com](mailto:rozanna@valgrinet.com)

[illegible]

Special instructions:

PLEASE Email RESULTS TO: [kpope@riceswd.com](mailto:kpope@riceswd.com); [mfranke@riceswd.com](mailto:mfranke@riceswd.com)

[rozanne@valornet.com](mailto:rozanne@valornet.com)

**ආප්තිය**

Rozanne Johnson

Received by:

James Johnson

DATE \_\_\_\_\_ TIME \_\_\_\_\_

10-19-80 10:15

Case Time

10-51-01 91:16

**Laboratory Comments:**

100

10

10

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

Client: Rice Op.  
 Date/ Time: 10/19/06 10:15  
 Lab ID #: 10519007  
 Initials: lik

**Sample Receipt Checklist**

|     |                                                        |            |    | Client Initials          |  |
|-----|--------------------------------------------------------|------------|----|--------------------------|--|
| #1  | Temperature of container/ cooler?                      | Yes        | No | <u>2.0</u> °C            |  |
| #2  | Shipping container in good condition?                  | <u>Yes</u> | No |                          |  |
| #3  | Custody Seals intact on shipping container/ cooler?    | <u>Yes</u> | No | Not Present              |  |
| #4  | Custody Seals intact on sample bottles/ container?     | <u>Yes</u> | No | Not Present              |  |
| #5  | Chain of Custody present?                              | <u>Yes</u> | No |                          |  |
| #6  | Sample instructions complete of Chain of Custody?      | <u>Yes</u> | No |                          |  |
| #7  | Chain of Custody signed when relinquished/ received?   | <u>Yes</u> | No |                          |  |
| #8  | Chain of Custody agrees with sample label(s)?          | <u>Yes</u> | No | ID written on Cont./ Lid |  |
| #9  | Container label(s) legible and intact?                 | <u>Yes</u> | No | Not Applicable           |  |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No |                          |  |
| #11 | Containers supplied by ELOT?                           | <u>Yes</u> | No |                          |  |
| #12 | Samples in proper container/ bottle?                   | <u>Yes</u> | No | See Below                |  |
| #13 | Samples properly preserved?                            | <u>Yes</u> | No | See Below                |  |
| #14 | Sample bottles intact?                                 | <u>Yes</u> | No |                          |  |
| #15 | Preservations documented on Chain of Custody?          | <u>Yes</u> | No |                          |  |
| #16 | Containers documented on Chain of Custody?             | <u>Yes</u> | No |                          |  |
| #17 | Sufficient sample amount for indicated test(s)?        | <u>Yes</u> | No | See Below                |  |
| #18 | All samples received within sufficient hold time?      | <u>Yes</u> | No | See Below                |  |
| #19 | VOC samples have zero headspace?                       | <u>Yes</u> | 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