

**Bratcher, Mike, EMNRD**

**From:** David Boyer [dgboyer@sesi-nm.com]  
**Sent:** Monday, July 09, 2007 8:02 AM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Jerry Sherrell  
**Attachments:** Quail Creek pit sampling results 06-29-07.pdf

30-015-35324

Mike,

Below are results of the testing of the excavated bottom of the horseshoe-shaped trench, taken on Friday, June 29:

| SW Corner    |            | NW Corner    |            | NE Corner    |            |
|--------------|------------|--------------|------------|--------------|------------|
| <u>field</u> | <u>Lab</u> | <u>field</u> | <u>Lab</u> | <u>field</u> | <u>Lab</u> |
| 2,271        | 2,400      | 1,196        | 990        | 572          | 710        |
| % diff       | 5.4        | % diff       | -20.8      | % diff       | 19.4       |

(avg of 3 samples)  
(taken in SW Corner)

The laboratory results of testing in the center area are pending.

Dave

David G. Boyer, P.G.  
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Safety and Environmental Solutions, Inc.  
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7/9/2007



2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296



Safety & Environmental Solutions, Inc

Project Number: MAC-07-003

703 E Clinton Ave

Project Name: Quail Creek State #1 - Eddy Co

Work Order No.:

Hobbs, NM 88240

Project Manager Bob Allen

B707001

### 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

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Approved By

Argon Laboratories, Inc.

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QC Officer



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**Anions by Ion Chromatography - EPA Method 300.0 - Quality Control**

**Argon Laboratories**

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

**Batch BQ00074 - General Prep**

**Blank (BQ00074-BLK1)**

Prepared & Analyzed: 07/05/07

Chloride ND 10 mg/kg

**LCS (BQ00074-BS1)**

Prepared & Analyzed: 07/05/07

Chloride 4.85 mg/kg 5.00 97 70-130

**LCS Dup (BQ00074-BSD1)**

Prepared & Analyzed: 07/05/07

Chloride 4.77 mg/kg 5.00 95 70-130 2 20

**Matrix Spike (BQ00074-MS1)**

Prepared & Analyzed: 07/05/07

Chloride 5.14 mg/kg 5.00 103 70-130

**Matrix Spike Dup (BQ00074-MSD1)**

Prepared & Analyzed: 07/05/07

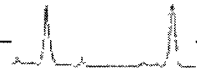
Chloride 5.11 mg/kg 5.00 102 70-130 0.6 20

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B707001

**Anions by Ion Chromatography - EPA Method 300.0**

| Analyte                                                                                      | Result | Reporting |       | Units | Dilution | Analyzed | Method    | Notes |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|----------|----------|-----------|-------|
|                                                                                              |        | Limit     |       |       |          |          |           |       |
| NW Corner 18 ft BLS (B707001-01) Soil    Sampled: 06/29/07 11:05    Received: 07/02/07 13:10 |        |           |       |       |          |          |           |       |
| Chloride                                                                                     | 990    | 10        | mg/kg | 1     |          | 07/05/07 | EPA 300.0 |       |
| SW Corner 25 ft BLS (B707001-02) Soil    Sampled: 06/29/07 10:25    Received: 07/02/07 13:10 |        |           |       |       |          |          |           |       |
| Chloride                                                                                     | 2400   | 10        | mg/kg | 1     |          | 07/05/07 | EPA 300.0 |       |
| NE Corner 13 ft BLS (B707001-03) Soil    Sampled: 06/29/07 11:25    Received: 07/02/07 13:10 |        |           |       |       |          |          |           |       |
| Chloride                                                                                     | 710    | 10        | mg/kg | 1     |          | 07/05/07 | EPA 300.0 |       |

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Hobbs, NM 88240

Project Number: MAC-07-003  
Project Name: Quail Creek State #1 - Eddy Co.  
Project Manager: Bob Allen

Work Order No.  
B707001

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID           | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|---------------------|---------------|--------|----------------|----------------|
| NW Corner 18 ft BLS | B707001-01    | Soil   | 06/29/07 11:05 | 07/02/07 13:10 |
| SW Corner 25 ft BLS | B707001-02    | Soil   | 06/29/07 10:25 | 07/02/07 13:10 |
| NE Corner 13 ft BLS | B707001-03    | Soil   | 06/29/07 11:25 | 07/02/07 13:10 |

Approved By  
Argon Laboratories, Inc

QC Officer

# ARGON ANALYTICAL SERVICES, INC.

## CHAIN OF CUSTODY

B-011-1

| Project Information                                                                                                                                                                                                               |         |              |              |               | Report To                                                                                                                                                                                                                   |                                 |     |              |         | Samples Submitted To                                                                                                                                                                    |  |                      |  |                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|--------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|--------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|--|--------------------|--|
| Project No: <b>MAC-07-003</b><br>Project Title: <b>Quail Creek State II, Elko, NV</b><br>Location: <b>Quail Creek State II, Elko, NV</b><br>Sampler's Name (print): <b>DAVID BOYER</b><br>Sampler's Signature: <i>[Signature]</i> |         |              |              |               | Consultant: <b>Safety &amp; Environmental Solutions Inc</b><br>Address: <b>703 E. Clinton, Suite 102<br/>Hobbs NM 88240</b><br>Contact: <b>(505) 397-0510</b><br>Phone: <b>(505) 397-0510</b><br>Fax: <b>(505) 393-4368</b> |                                 |     |              |         | Laboratory: <b>Argon Labs</b><br>Address: <b>2126 W. Marland Ave<br/>Hobbs NM 88240</b><br>Contact: <b>(505) 397-0295</b><br>Phone: <b>(505) 397-0295</b><br>Fax: <b>(505) 397-0295</b> |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               | Bill To                                                                                                                                                                                                                     |                                 |     |              |         | Date Results Required                                                                                                                                                                   |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               | Client Address: <b>Same as Above</b>                                                                                                                                                                                        |                                 |     |              |         | Date Report Required                                                                                                                                                                    |  |                      |  |                    |  |
| TURN AROUND TIME                                                                                                                                                                                                                  |         |              |              |               | ANALYSIS                                                                                                                                                                                                                    |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
| RUSH <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Same Day <input type="checkbox"/>                                                    |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               | 418.1                                                                                                                                                                                                                       | BTEX                            | TDS | Chloride     | Sulfate |                                                                                                                                                                                         |  |                      |  |                    |  |
| Sample ID                                                                                                                                                                                                                         | Date    | Time         | # Containers | Matrix        |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   | 6/29/07 | 1105         | 1            | Soil          |                                                                                                                                                                                                                             |                                 |     | X            |         |                                                                                                                                                                                         |  |                      |  | NW Corner 18FT BLS |  |
|                                                                                                                                                                                                                                   | 6/29/07 | 1025         | 1            | "             |                                                                                                                                                                                                                             |                                 |     | X            |         |                                                                                                                                                                                         |  |                      |  | SW Corner 25FT BLS |  |
|                                                                                                                                                                                                                                   | 6/29/07 | 1125         | 1            | Soil          |                                                                                                                                                                                                                             |                                 |     | X            |         |                                                                                                                                                                                         |  |                      |  | NE Corner 13FT BLS |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
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|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
|                                                                                                                                                                                                                                   |         |              |              |               |                                                                                                                                                                                                                             |                                 |     |              |         |                                                                                                                                                                                         |  |                      |  |                    |  |
| Relinquished By: <i>[Signature]</i>                                                                                                                                                                                               |         | Date: 7/2/07 |              | Time: 1:10 PM |                                                                                                                                                                                                                             | Received By: <i>[Signature]</i> |     | Date: 7-2-07 |         | Time: 1310                                                                                                                                                                              |  | Special Instructions |  |                    |  |
| Relinquished By:                                                                                                                                                                                                                  |         | Date:        |              | Time:         |                                                                                                                                                                                                                             | Received By:                    |     | Date:        |         | Time:                                                                                                                                                                                   |  |                      |  |                    |  |
| Relinquished By:                                                                                                                                                                                                                  |         | Date:        |              | Time:         |                                                                                                                                                                                                                             | Received By:                    |     | Date:        |         | Time:                                                                                                                                                                                   |  |                      |  |                    |  |

-01  
-02  
-03