



# Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407) 382-7744

Certification I. D. # E83033

Work Order #: 1002092

Report Date: 02/25/10

Report to:

State of Florida DEP

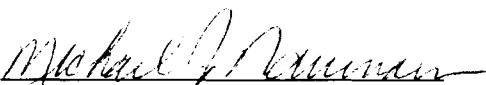
2600 Blair Stone Road

Tallahassee, FL 32399-2400

Attention: Kate Brackett – MS 6510

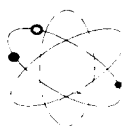
I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and NELAC Standards. The test results in this report relate only to the samples received.

Signed

  
Michael J. Naumann - President

Date

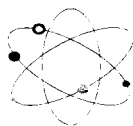
2-25-10



## Florida Radiochemistry Services, Inc.

### Sample Login

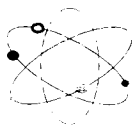
|                        |                             |                                 |                               |
|------------------------|-----------------------------|---------------------------------|-------------------------------|
| <b>Client:</b>         | <b>State of Florida DEP</b> | <b>Date / Time<br/>Received</b> | <b>Work order #</b>           |
|                        |                             | <b>02/15/10 09:04</b>           | <b>1002092</b>                |
| <b>Client Contact:</b> | <b>Kate Brackett</b>        |                                 |                               |
| <b>Client P.O.</b>     |                             |                                 |                               |
| <b>Project I.D.</b>    | <b>The Acreage</b>          |                                 |                               |
| <b>Lab Sample I.D.</b> | <b>Client Sample I.D.</b>   | <b>Sample<br/>Date/Time</b>     | <b>Analysis<br/>Requested</b> |
| 1002092-01             | 1-Pre                       | 02/12/10 15:30                  | Ga, Gb,Ra226, Ra228           |
| 1002092-02             | 1-Post                      | 02/12/10 16:00                  | Ga, Gb,Ra226, Ra228           |
| 1002092-03             | 2-Pre                       | 02/12/10 16:35                  | Ga, Gb,Ra226, Ra228           |
| 1002092-04             | 2-Post                      | 02/12/10 17:00                  | Ga, Gb,Ra226, Ra228           |
| 1002092-05             | 3-Pre                       | 02/13/09 15:40                  | Ga, Gb,Ra226, Ra228           |
| 1002092-06             | 3-Post                      | 02/13/09 16:20                  | Ga, Gb,Ra226, Ra228           |
| 1002092-07             | 4-Pre                       | 02/13/09 17:45                  | Ga, Gb,Ra226, Ra228           |
| 1002092-08             | 4-Post                      | 02/13/09 18:15                  | Ga, Gb,Ra226, Ra228           |
| 1002092-09             | 5-Pre                       | 02/13/09 12:10                  | Ga, Gb,Ra226, Ra228           |
| 1002092-10             | 5-Post                      | 02/13/09 12:30                  | Ga, Gb,Ra226, Ra228           |
| 1002092-11             | 6-Pre                       | 02/13/09 11:00                  | Ga, Gb,Ra226, Ra228           |
| 1002092-12             | 6-Post                      | 02/13/09 11:45                  | Ga, Gb,Ra226, Ra228           |
| 1002092-13             | 7-Pre                       | 02/14/09 09:20                  | Ga, Gb,Ra226, Ra228           |
| 1002092-14             | 7-Post                      | 02/14/09 09:20                  | Ga, Gb,Ra226, Ra228           |
| 1002092-15             | 6-Pre Dup                   | 02/13/09 11:00                  | Ga, Gb,Ra226, Ra228           |



# Florida Radiochemistry Services, Inc.

## Analysis Report

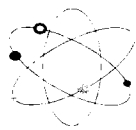
| Lab Sample I.D. | 1002092-01 | 1002092-02 | 1002092-03 | 1002092-04 | 1002092-05 |
|-----------------|------------|------------|------------|------------|------------|
| Client I.D.     | 1-Pre      | 1-Post     | 2-Pre      | 2-Post     | 3-Pre      |
| Gross Alpha     | 2.4        | 1.4        | 1.5U       | 1.6U       | 1.3U       |
| Error +/-       | 1.5        | 0.9        | 1.0        | 1.1        | 0.9        |
| MDL             | 2.3        | 1.3        | 1.5        | 1.6        | 1.3        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 11:36      | 08:34      | 08:14      | 08:14      | 08:34      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Gross Beta      | 2.4        | 1.6U       | 1.9U       | 2.1U       | 1.9U       |
| Error +/-       | 1.3        | 0.9        | 1.1        | 1.3        | 1.1        |
| MDL             | 2.2        | 1.6        | 1.9        | 2.1        | 1.9        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 11:36      | 08:34      | 08:14      | 08:14      | 08:34      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 226      | 0.8        | 0.5        | 0.6        | 0.3        | 0.7        |
| Error +/-       | 0.2        | 0.2        | 0.1        | 0.1        | 0.1        |
| MDL             | 0.2        | 0.2        | 0.1        | 0.2        | 0.1        |
| EPA Method      | 903.1      | 903.1      | 903.1      | 903.1      | 903.1      |
| Prep Date       | 02/16/10   | 02/16/10   | 02/16/10   | 02/16/10   | 02/16/10   |
| Prep Time       | 10:00      | 10:00      | 10:00      | 10:00      | 10:00      |
| Analysis Date   | 02/22/10   | 02/22/10   | 02/22/10   | 02/22/10   | 02/22/10   |
| Analysis Time   | 10:43      | 10:43      | 11:52      | 11:52      | 11:52      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 228      | 0.8U       | 0.9U       | 0.8U       | 0.9U       | 0.8U       |
| Error +/-       | 0.5        | 0.6        | 0.5        | 0.6        | 0.5        |
| MDL             | 0.8        | 0.9        | 0.8        | 0.9        | 0.8        |
| EPA Method      | Ra-05      | Ra-05      | Ra-05      | Ra-05      | Ra-05      |
| Prep Date       | 02/16/10   | 02/16/10   | 02/16/10   | 02/16/10   | 02/16/10   |
| Prep Time       | 10:00      | 10:00      | 10:00      | 10:00      | 10:00      |
| Analysis Date   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   |
| Analysis Time   | 11:08      | 11:08      | 11:08      | 11:08      | 12:10      |
| Analyst         | PJ         | PJ         | PJ         | PJ         | PJ         |
| Units           | pCi/l      | pCi/l      | pCi/l      | pCi/l      | pCi/l      |



# Florida Radiochemistry Services, Inc.

## Analysis Report

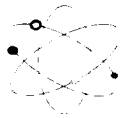
| Lab Sample I.D. | 1002092-06 | 1002092-07 | 1002092-08 | 1002092-09 | 1002092-10 |
|-----------------|------------|------------|------------|------------|------------|
| Client I.D.     | 3-Post     | 4-Pre      | 4-Post     | 5-Pre      | 5-Post     |
| Gross Alpha     | 0.9U       | 3.2        | 2.3        | 7.8        | 1.8U       |
| Error +/-       | 0.6        | 0.8        | 0.8        | 1.9        | 1.1        |
| MDL             | 0.9        | 1.0        | 1.0        | 2.5        | 1.8        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 08:16      | 08:34      | 08:34      | 11:36      | 13:34      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Gross Beta      | 1.6U       | 2.0        | 1.3U       | 2.9U       | 1.9U       |
| Error +/-       | 1.0        | 0.9        | 0.8        | 1.7        | 1.1        |
| MDL             | 1.6        | 1.4        | 1.3        | 2.9        | 1.9        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 08:16      | 08:34      | 08:34      | 11:36      | 13:34      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 226      | 0.2U       | 1.0        | 0.4        | 2.1        | 0.5        |
| Error +/-       | 0.1        | 0.2        | 0.2        | 0.3        | 0.2        |
| MDL             | 2.0        | 0.2        | 0.2        | 0.2        | 0.2        |
| EPA Method      | 903.1      | 903.1      | 903.1      | 903.1      | 903.1      |
| Prep Date       | 02/16/10   | 02/16/10   | 02/17/10   | 02/17/10   | 02/17/10   |
| Prep Time       | 10:00      | 10:00      | 10:05      | 10:05      | 10:05      |
| Analysis Date   | 02/22/10   | 02/22/10   | 02/23/10   | 02/23/10   | 02/23/10   |
| Analysis Time   | 11:52      | 11:52      | 10:40      | 10:40      | 10:40      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 228      | 0.9U       | 0.8U       | 1.0U       | 0.9U       | 0.9U       |
| Error +/-       | 0.6        | 0.5        | 0.6        | 0.6        | 0.6        |
| MDL             | 0.9        | 0.8        | 1.0        | 0.9        | 0.9        |
| EPA Method      | Ra-05      | Ra-05      | Ra-05      | Ra-05      | Ra-05      |
| Prep Date       | 02/16/10   | 02/16/10   | 02/17/10   | 02/17/10   | 02/17/10   |
| Prep Time       | 10:00      | 10:00      | 10:05      | 10:05      | 10:05      |
| Analysis Date   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   |
| Analysis Time   | 12:10      | 12:10      | 13:14      | 13:14      | 13:14      |
| Analyst         | PJ         | PJ         | PJ         | PJ         | PJ         |
| Units           | pCi/l      | pCi/l      | pCi/l      | pCi/l      | pCi/l      |



# Florida Radiochemistry Services, Inc.

## Analysis Report

| Lab Sample I.D. | 1002092-11 | 1002092-12 | 1002092-13 | 1002092-14 | 1002092-15 |
|-----------------|------------|------------|------------|------------|------------|
| Client I.D.     | 6-Pre      | 6-Post     | 7-Pre      | 7-Post     | 6-Pre Dup  |
| Gross Alpha     | 3.2        | 1.8U       | 5.4        | 2.4U       | 2.9        |
| Error +/-       | 1.5        | 1.2        | 1.7        | 1.5        | 1.0        |
| MDL             | 2.0        | 1.8        | 2.3        | 2.4        | 1.2        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 17:46      | 17:46      | 11:34      | 11:36      | 08:31      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Gross Alpha     | 2.1U       | 2.1U       | 6.5        | 2.5U       | 1.8        |
| Error +/-       | 1.3        | 1.3        | 1.6        | 1.5        | 1.0        |
| MDL             | 2.1        | 2.1        | 2.6        | 2.5        | 1.5        |
| EPA Method      | 900.0      | 900.0      | 900.0      | 900.0      | 900.0      |
| Prep Date       | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   | 02/19/10   |
| Prep Time       | 06:35      | 06:35      | 06:35      | 06:35      | 06:35      |
| Analysis Date   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   | 02/20/10   |
| Analysis Time   | 17:46      | 17:46      | 11:34      | 11:36      | 08:31      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 226      | 0.5        | 0.2U       | 2.2        | 0.2        | 0.6        |
| Error +/-       | 0.2        | 0.1        | 0.3        | 0.1        | 0.2        |
| MDL             | 0.2        | 0.2        | 0.2        | 0.2        | 0.2        |
| EPA Method      | 903.1      | 903.1      | 903.1      | 903.1      | 903.1      |
| Prep Date       | 02/17/10   | 02/17/10   | 02/17/10   | 02/17/10   | 02/17/10   |
| Prep Time       | 10:05      | 10:05      | 10:05      | 10:05      | 10:05      |
| Analysis Date   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   |
| Analysis Time   | 10:40      | 10:40      | 11:43      | 11:43      | 11:43      |
| Analyst         | MJN        | MJN        | MJN        | MJN        | MJN        |
| Radium 228      | 0.8U       | 0.8U       | 0.8U       | 0.9U       | 0.8        |
| Error +/-       | 0.5        | 0.6        | 0.5        | 0.6        | 0.6        |
| MDL             | 0.8        | 0.8        | 0.8        | 0.9        | 0.8        |
| EPA Method      | Ra-05      | Ra-05      | Ra-05      | Ra-05      | Ra-05      |
| Prep Date       | 02/17/10   | 02/17/10   | 02/17/10   | 02/17/10   | 02/17/10   |
| Prep Time       | 10:05      | 10:05      | 10:05      | 10:05      | 10:05      |
| Analysis Date   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   | 02/23/10   |
| Analysis Time   | 13:14      | 13:14      | 13:14      | 14:15      | 14:15      |
| Analyst         | PJ         | PJ         | PJ         | PJ         | PJ         |
| Units           | pCi/l      | pCi/l      | pCi/l      | pCi/l      | pCi/l      |



Florida Radiochemistry Services, Inc.

QA Page

| Analyte     | Sample #   | Date Analyzed | Sample Result | Amount Spiked | Spike Result | Spike /Dup Result | Spike % Rec. | Spike Dup % Rpd |
|-------------|------------|---------------|---------------|---------------|--------------|-------------------|--------------|-----------------|
| Gross Alpha | 1002092-06 | 02/20/10      | <0.9          | 10.2          | 9.0          | 8.9               | 88           | 1.1             |
| Gross Beta  | 1002092-06 | 02/20/10      | <1.6          | 15.7          | 15.0         | 15.3              | 96           | 2.0             |
| Radium 226  | 1002092-02 | 02/22/10      | 0.5           | 25.2          | 23.7         | 21.3              | 92           | 10.7            |
| Radium 228  | 1002092-02 | 02/23/10      | <0.9          | 5.5           | 6.0          | 6.5               | 109          | 8.0             |

|             | Quality | Control | Limits |
|-------------|---------|---------|--------|
|             | % RPD   |         | % Rec. |
| Gross Alpha | 25.0    |         | 60-125 |
| Gross Beta  | 17.8    |         | 82-125 |
| Radium 226  | 23.4    |         | 78-125 |
| Radium 228  | 23.9    |         | 67-125 |

# Chain of Custody Record Protection

## Florida Department of Environmental

Site Name: The Acreage

Sampled By: SIS Field Teams

## Site Investigation Section

1 of 4

| Field ID | Lab ID | Matrix | Grab / Composite | Date       | Time | OV-Alpha | OV-Radium |  |  |  |  |  |  |  |  |  |  |  |  | Comments |
|----------|--------|--------|------------------|------------|------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| 1-Pre    |        | Water  | Grab             | 02/12/2010 | 1530 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 1-Post   |        | Water  | Grab             | 02/12/2010 | 1600 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 2-Pre    |        | Water  | Grab             | 02/12/2010 | 1635 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 2-Post   |        | Water  | Grab             | 02/12/2010 | 1700 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 3-Pre    |        | Water  | Grab             | 02/13/2010 | 1540 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 3-Post   |        | Water  | Grab             | 02/13/2010 | 1620 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 4-Pre    |        | Water  | Grab             | 02/13/2010 | 1745 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 4-Post   |        | Water  | Grab             | 02/13/2010 | 1815 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 5-Pre    |        | Water  | Grab             | 02/13/2010 | 1210 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 5-Post   |        | Water  | Grab             | 02/13/2010 | 1230 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 6-Pre    |        | Water  | Grab             | 02/13/2010 | 1100 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  | 15       |
| 6-Post   |        | Water  | Grab             | 02/13/2010 | 1145 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  | Dup ←    |
| 7-Pre    |        | Water  | Grab             | 02/14/2010 | 0900 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |
| 7-Post   |        | Water  | Grab             | 02/14/2010 | 0940 | ✓        | ✓         |  |  |  |  |  |  |  |  |  |  |  |  |          |

Relinquished By:  Date 2/15/10 Time 9:54

Received By:  Date 2/15/10 Time 09:24