



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 #: 1002095

Report Date: 03/04/10

Report to:

State of Florida DEP

2600 Blair Stone Road

Tallahassee, FL 32399-2400

Attention: Kate Brackett – MS 6510

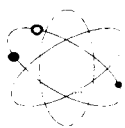
I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with 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

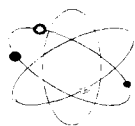
3-4-10



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Sample Login

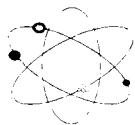
Client:	State of Florida DEP	Date / Time Received	Work order #
		02/15/10 09:04	1002095
Client Contact:	Kate Brackett		
Client P.O.	A06603		
Project I.D.	The Acreage		
Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
1002095-01	22-Pre	02/13/10 14:20	Ra226, Ra228
1002095-02	22-Post	02/13/10 14:20	Ga, Gb, Ra226, Ra228
1002095-03	23-Post	02/13/10 09:20	Ga, Gb, Ra226, Ra228
1002095-04	24-Post	02/13/10 12:00	Ga, Gb, Ra226, Ra228
1002095-05	24-RO	02/13/10 13:00	Ga, Gb, Ra226, Ra228
1002095-06	25-Post	02/13/10 10:00	Ga, Gb, Ra226, Ra228
1002095-07	26-Pre	02/13/10 12:30	Ga, Gb, Ra226, Ra228
1002095-08	26-Post	02/13/10 13:20	Ga, Gb, Ra226, Ra228
1002095-09	27-Pre	02/14/10 10:45	Ga, Gb, Ra226, Ra228
1002095-10	27-Post	02/14/10 11:10	Ga, Gb, Ra226, Ra228
1002095-11	28-Pre	02/13/10 10:30	Ga, Gb, Ra226, Ra228
1002095-12	28-Post	02/13/10 11:15	Ga, Gb, Ra226, Ra228
1002095-13	29-Post	02/13/10 11:15	Ga, Gb, Ra226, Ra228
1002095-14	Field Blank	02/14/10 16:15	Ga, Gb, Ra226, Ra228
1002095-15	24-Post Dup	02/13/10 12:00	Ga, Gb, Ra226, Ra228
1002095-16	26-post Dup	02/13/10 13:20	Ga, Gb, Ra226, Ra228



Analysis Report

Lab Sample I.D. 1002095-01 1002095-02 1002095-03 1002095-04 1002095-05

Client I.D.	22-Pre	22-Post	23-Post	24-Post	24-RO
Gross Alpha	16.1	3.9U	3.6U	2.1U	0.9U
Error +/-	3.5	2.5	2.2	1.3	0.6
MDL	3.5	3.9	3.6	2.1	0.9
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	02/23/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:31	06:31	06:31	06:31	06:31
Analysis Date	02/24/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	10:11	10:11	10:11	10:11	07:10
Analyst	MJN	MJN	MJN	MJN	MJN
Gross Beta	5.4	4.9U	3.7U	2.1U	1.7U
Error +/-	2.6	3.0	2.2	1.3	1.0
MDL	4.2	4.9	3.7	2.1	1.7
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	02/23/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:31	06:31	06:31	06:31	06:31
Analysis Date	02/24/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	10:11	10:11	10:11	10:11	07:10
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 226	7.6	1.8	0.2	0.2U	0.2U
Error +/-	0.5	0.2	0.2	0.1	0.1
MDL	0.2	0.1	0.2	0.2	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1
Prep Date	02/20/10	02/20/10	02/22/10	02/22/10	02/22/10
Prep Time	10:05	10:05	12:50	12:50	12:50
Analysis Date	02/26/10	02/26/10	03/01/10	03/01/10	03/01/10
Analysis Time	11:45	11:45	10:43	10:43	10:43
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 228	0.9U	0.8U	1.0U	1.0U	1.0U
Error +/-	0.6	0.5	0.7	0.6	0.6
MDL	0.9	0.8	1.0	1.0	1.0
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	02/20/10	02/20/10	02/22/10	02/22/10	02/22/10
Prep Time	10:05	10:05	12:50	12:50	12:50
Analysis Date	02/26/10	02/26/10	03/01/10	03/01/10	03/01/10
Analysis Time	12:22	12:22	11:13	11:13	11:13
Analyst	PJ	PJ	PJ	PJ	PJ
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l

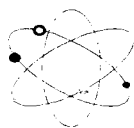


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Analysis Report

Lab Sample I.D. 1002095-06 1002095-07 1002095-08 1002095-09 1002095-10

Client I.D.	25-Post	26-Pre	26-Post	27-Pre	27-Post
Gross Alpha	1.7U	6.4	3.2U	1.9	2.4U
Error +/-	1.0	3.0	1.8	1.0	1.6
MDL	1.7	4.0	3.2	1.3	2.4
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	02/23/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:31	06:31	06:31	06:31	06:31
Analysis Date	02/24/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	07:37	14:00	14:00	16:44	07:10
Analyst	MJN	MJN	MJN	MJN	MJN
Gross Beta	1.9	4.1U	2.8U	1.6	2.5U
Error +/-	1.2	2.5	1.7	1.0	1.6
MDL	1.9	4.1	2.8	1.6	2.5
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	02/23/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:31	06:31	06:31	06:31	06:31
Analysis Date	02/24/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	07:37	14:00	14:00	16:44	07:10
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 226	0.1	3.1	0.5	1.6	0.1
Error +/-	0.1	0.3	0.2	0.2	0.1
MDL	0.1	0.2	0.2	0.2	0.1
EPA Method	903.1	903.1	903.1	903.1	903.1
Prep Date	02/22/10	02/22/10	02/22/10	02/22/10	02/22/10
Prep Time	12:50	12:50	12:50	12:50	12:50
Analysis Date	03/01/10	03/01/10	03/01/10	03/01/10	03/01/10
Analysis Time	10:43	10:43	11:46	11:46	11:46
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 228	1.1	1.1	0.8U	1.3	0.9U
Error +/-	0.6	0.6	0.5	0.7	0.6
MDL	0.9	0.9	0.8	1.0	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	02/22/10	02/22/10	02/22/10	02/22/10	02/22/10
Prep Time	12:50	12:50	12:50	12:50	12:50
Analysis Date	03/01/10	03/01/10	03/01/10	03/01/10	03/01/10
Analysis Time	11:13	11:13	11:13	11:13	12:27
Analyst	PJ	PJ	PJ	PJ	PJ
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l

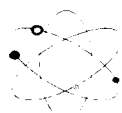


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Analysis Report

Lab Sample I.D. 1002095-11 1002095-12 1002095-13 1002095-14 1002095-15 1002095-16

Client I.D.	28-Pre	28-Post	29-Post	Field Blank	24-Post Dup	26-post Dup
Gross Alpha	3.0	1.1U	1.4U	0.8U	1.8U	3.1U
Error +/-	1.1	0.7	0.9	0.6	1.3	1.7
MDL	1.4	1.1	1.4	0.8	1.8	3.1
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	02/26/10	02/26/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:39	06:39	06:31	06:31	06:31	06:31
Analysis Date	02/27/10	02/27/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	08:57	08:57	07:10	07:20	16:44	16:44
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Gross Beta	2.2	6.8	1.9U	1.5U	2.9U	3.4U
Error +/-	1.1	0.9	1.2	0.9	1.8	2.0
MDL	1.8	1.3	1.9	1.5	2.9	3.4
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	02/26/10	02/26/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	06:39	06:39	06:31	06:31	06:31	06:31
Analysis Date	02/27/10	02/27/10	02/24/10	02/24/10	02/24/10	02/24/10
Analysis Time	08:57	08:57	07:10	07:20	16:44	16:44
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 226	1.4	0.3	0.3	0.1	0.2	0.4
Error +/-	0.2	0.1	0.1	0.1	0.1	0.1
MDL	0.2	0.2	0.1	0.1	0.1	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	02/22/10	02/22/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	12:50	12:50	12:30	12:30	12:30	12:30
Analysis Date	03/01/10	03/01/10	03/02/10	03/02/10	03/02/10	03/02/10
Analysis Time	11:46	11:46	11:40	11:40	11:40	11:40
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 228	0.9U	0.8U	0.8U	1.0U	0.9U	0.9U
Error +/-	0.5	0.5	0.5	0.6	0.6	0.6
MDL	0.9	0.8	0.8	1.0	0.9	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	02/22/10	02/22/10	02/23/10	02/23/10	02/23/10	02/23/10
Prep Time	12:50	12:50	12:30	12:30	12:30	12:30
Analysis Date	03/01/10	03/01/10	03/02/10	03/02/10	03/02/10	03/02/10
Analysis Time	12:27	12:27	11:02	11:02	12:05	12:05
Analyst	PJ	PJ	PJ	PJ	PJ	PJ
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l



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QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	1002095-05	02/24/10	<0.9	10.2	9.2	8.1	90	12.7
Gross Beta	1002095-05	02/24/10	<1.7	15.7	16.3	15.0	104	8.3
Radium 226	1002095-03	03/01/10	0.2	25.2	24.9	28.2	98	12.4
Radium 228	1002095-03	03/01/10	<1.0	5.5	4.8	5.6	87	15.4

	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

4 of 4

Field ID	Lab ID	Matrix	Grab / Composite	Date	Time	OV-Alpha	OV-Radium	Comments
22-Pec		Water	Grab	02/13/2010	1420	✓	✓	
22-Post		Water	Grab	02/13/2010	1420	✓	✓	
23-Post		Water	Grab	02/13/2010	0800	✓	✓	
24-Post		Water	Grab	02/13/2010	1200	✓	✓	Dup
24-RO		Water	Grab	02/13/2010	1300	✓	✓	
25-Post		Water	Grab	02/13/2010	1000	✓	✓	
26-Pec		Water	Grab	02/13/2010	1230	✓	✓	
26-Post		Water	Grab	02/13/2010	1310	✓	✓	Dup
27-Pec		Water	Grab	02/14/2010	1045	✓	✓	
27-Post		Water	Grab	02/14/2010	1110	✓	✓	
28-Pec		Water	Grab	02/13/2010	1030	✓	✓	
28-Post		Water	Grab	02/13/2010	1115	✓	✓	
29-Post		Water	Grab	02/13/2010	1115	✓	✓	
Field Blank		Water	Grab	02/14/2010	1015	✓	✓	

Relinquished By: *[Signature]* Date: 2/14/10 Time: 5:54

Received By: *[Signature]* Date: 2/15/10 Time: 9:07

Relinquished By:

Received By: