

**Environmental Conservation Laboratories, Inc.**

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

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www.encolabs.com

Friday, June 19, 2009

The Colinas Group (CO016)

Attn: Rick Potts

509 N. Virginia Ave.

Winter Park, FL 32789

**RE: Laboratory Results for**

**Project Number: 53008, Project Name/Desc: SUMTER COUNTY VOL. RED. & LANDFILL**

**ENCO Workorder: A902662**

Dear Rick Potts,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 29, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Marcia Colon'.

Marcia Colon

Project Manager

Enclosure(s)



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**SAMPLE SUMMARY/LABORATORY CHRONICLE**

Client ID: MW-10		Lab ID: A902662-01		Sampled: 05/29/09 10:11		Received: 05/29/09 15:55	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/25/09		06/01/09 11:38		6/2/2009 16:45		
EPA 245.1	06/26/09		06/03/09 11:12		6/4/2009 07:18		
EPA 300.0	05/31/09	10:11	05/30/09 09:01		5/30/2009 11:29		
EPA 300.0	06/26/09		05/30/09 09:01		5/30/2009 11:29		
EPA 350.1	06/26/09		06/01/09 09:43		6/1/2009 11:58		
Field	05/29/09	10:25	05/29/09 10:11		5/29/2009 10:11		
Field	05/30/09	10:11	05/30/09	10:11	05/29/09 10:11		
Field	05/31/09	10:11	05/29/09 10:11		5/29/2009 10:11		
SM18 2540C	06/05/09		06/02/09 17:30		6/3/2009 23:03		

Client ID: MW-6A		Lab ID: A902662-02		Sampled: 05/29/09 11:25		Received: 05/29/09 15:55	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/25/09		06/01/09 11:38		6/2/2009 16:55		
EPA 245.1	06/26/09		06/03/09 11:12		6/4/2009 07:36		
EPA 300.0	05/31/09	11:25	05/30/09 09:01		5/30/2009 11:46		
EPA 300.0	06/26/09		05/30/09 09:01		5/30/2009 11:46		
EPA 350.1	06/26/09		06/01/09 09:43		6/1/2009 11:59		
Field	05/29/09	11:39	05/29/09 11:25		5/29/2009 11:25		
Field	05/30/09	11:25	05/30/09	11:25	05/29/09 11:25		
Field	05/31/09	11:25	05/29/09 11:25		5/29/2009 11:25		
SM18 2540C	06/05/09		06/02/09 17:30		6/3/2009 23:03		

Client ID: MW-4B		Lab ID: A902662-03		Sampled: 05/29/09 12:34		Received: 05/29/09 15:55	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/25/09		06/01/09 11:38		6/2/2009 17:02		
EPA 245.1	06/26/09		06/03/09 11:12		6/4/2009 07:39		
EPA 300.0	05/31/09	12:34	05/30/09 09:01		5/30/2009 11:11		
EPA 300.0	06/26/09		05/30/09 09:01		5/30/2009 11:11		
EPA 350.1	06/26/09		06/01/09 09:43		6/1/2009 12:00		
Field	05/29/09	12:48	05/29/09 12:34		5/29/2009 12:34		
Field	05/30/09	12:34	05/30/09	12:34	05/29/09 12:34		
Field	05/31/09	12:34	05/29/09 12:34		5/29/2009 12:34		
SM18 2540C	06/05/09		06/02/09 17:30		6/3/2009 23:03		



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**Client ID:** MW-4A      **Lab ID:** A902662-04      **Sampled:** 05/29/09 13:38      **Received:** 05/29/09 15:55

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	11/25/09	06/01/09 11:38	6/2/2009 17:09
EPA 245.1	06/26/09	06/03/09 11:12	6/4/2009 07:49
EPA 300.0	05/31/09 13:38	05/30/09 09:01	5/30/2009 12:04
EPA 300.0	06/26/09	05/30/09 09:01	5/30/2009 12:04
EPA 350.1	06/26/09	06/01/09 09:43	6/1/2009 12:01
Field	05/29/09 13:52	05/29/09 13:38	5/29/2009 13:38
Field	05/30/09 13:38	05/29/09 13:38	5/29/2009 13:38
Field	05/31/09 13:38	05/29/09 13:38	5/29/2009 13:38
SM18 2540C	06/05/09	06/02/09 17:30	6/3/2009 23:03

**Client ID:** MW-4      **Lab ID:** A902662-05      **Sampled:** 05/29/09 14:38      **Received:** 05/29/09 15:55

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	11/25/09	06/01/09 11:38	6/2/2009 17:19
EPA 245.1	06/26/09	06/03/09 11:12	6/4/2009 07:52
EPA 300.0	05/31/09 14:38	05/30/09 09:01	5/30/2009 12:21
EPA 300.0	06/26/09	05/30/09 09:01	5/30/2009 12:21
EPA 350.1	06/26/09	06/01/09 09:43	6/1/2009 12:03
Field	05/29/09 14:52	05/29/09 14:38	5/29/2009 14:38
Field	05/30/09 14:38	05/29/09 14:38	5/29/2009 14:38
Field	05/31/09 14:38	05/29/09 14:38	5/29/2009 14:38
SM18 2540C	06/05/09	06/02/09 17:30	6/3/2009 23:03



**QUALITY CONTROL**

**Metals by EPA 200 Series Methods - Quality Control**

Batch 9F01013 - EPA 7470A

Blank (9F01013-BLK1)

Prepared: 06/03/2009 11:12 Analyzed: 06/04/2009 07:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.024	U	0.200	ug/L							

LCS (9F01013-BS1)

Prepared: 06/03/2009 11:12 Analyzed: 06/04/2009 07:14

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.85		0.200	ug/L	5.00		97	90-110			

Matrix Spike (9F01013-MS1)

Prepared: 06/03/2009 11:12 Analyzed: 06/04/2009 07:21

Source: A902662-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.32		0.200	ug/L	5.00	0.024 U	106	90-110			

Matrix Spike Dup (9F01013-MSD1)

Prepared: 06/03/2009 11:12 Analyzed: 06/04/2009 07:24

Source: A902662-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.07		0.200	ug/L	5.00	0.024 U	101	90-110	5	10	

Post Spike (9F01013-PS1)

Prepared: 06/04/2009 06:00 Analyzed: 06/04/2009 07:27

Source: A902662-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.47		0.200	ug/L	5.61	-0.002	98	0-200			

Batch 9F01014 - EPA 3005A

Blank (9F01014-BLK1)

Prepared: 06/01/2009 11:38 Analyzed: 06/02/2009 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	68.0	U	100	ug/L							
Antimony	0.700	U	5.00	ug/L							
Cadmium	1.10	U	3.00	ug/L							
Chromium	4.50	U	10.0	ug/L							
Iron	38.0	U	50.0	ug/L							
Lead	1.20	U	5.00	ug/L							
Manganese	2.00	U	10.0	ug/L							
Silver	0.200	U	1.00	ug/L							
Sodium	0.320	U	1.00	mg/L							
Thallium	0.260	U	1.00	ug/L							

LCS (9F01014-BS1)

Prepared: 06/01/2009 11:38 Analyzed: 06/02/2009 12:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1010		100	ug/L	1000		101	85-115			
Antimony	49.6		5.00	ug/L	50.0		99	85-115			
Cadmium	49.2		3.00	ug/L	50.0		98	85-115			

**QUALITY CONTROL****Metals by EPA 200 Series Methods - Quality Control**

Batch 9F01014 - EPA 3005A

**LCS (9F01014-BS1) Continued**

Prepared: 06/01/2009 11:38 Analyzed: 06/02/2009 12:53

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	494		10.0	ug/L	500		99	85-115			
Iron	1010		50.0	ug/L	1000		101	85-115			
Lead	490		5.00	ug/L	500		98	85-115			
Manganese	503		10.0	ug/L	500		101	85-115			
Silver	50.3		1.00	ug/L	50.0		101	85-115			
Sodium	24.2		1.00	mg/L	25.0		97	85-115			
Thallium	50.0		1.00	ug/L	50.0		100	85-115			

**Matrix Spike (9F01014-MS1)**

Prepared: 06/01/2009 11:38 Analyzed: 06/02/2009 13:10

Source: A902658-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1150		100	ug/L	1000	141	101	85-115			
Antimony	49.4		5.00	ug/L	50.0	0.700 U	99	85-115			
Cadmium	49.6		3.00	ug/L	50.0	1.10 U	99	85-115			
Chromium	496		10.0	ug/L	500	4.50 U	99	85-115			
Iron	7430		50.0	ug/L	1000	6480	95	85-115			
Lead	490		5.00	ug/L	500	1.20 U	98	85-115			
Manganese	563		10.0	ug/L	500	66.6	99	85-115			
Silver	49.7		1.00	ug/L	50.0	0.200 U	99	85-115			
Sodium	69.7		1.00	mg/L	25.0	43.2	106	85-115			
Thallium	50.7		1.00	ug/L	50.0	0.289	101	85-115			

**Matrix Spike Dup (9F01014-MSD1)**

Prepared: 06/01/2009 11:38 Analyzed: 06/02/2009 13:18

Source: A902658-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1110		100	ug/L	1000	141	97	85-115	3	20	
Antimony	50.5		5.00	ug/L	50.0	0.700 U	101	85-115	2	20	
Cadmium	50.3		3.00	ug/L	50.0	1.10 U	101	85-115	2	20	
Chromium	495		10.0	ug/L	500	4.50 U	99	85-115	0.3	20	
Iron	7530		50.0	ug/L	1000	6480	105	85-115	1	20	
Lead	493		5.00	ug/L	500	1.20 U	99	85-115	0.6	20	
Manganese	564		10.0	ug/L	500	66.6	99	85-115	0.2	20	
Silver	50.8		1.00	ug/L	50.0	0.200 U	102	85-115	2	20	
Sodium	70.5		1.00	mg/L	25.0	43.2	109	85-115	1	20	
Thallium	50.5		1.00	ug/L	50.0	0.289	101	85-115	0.2	20	

**Post Spike (9F01014-PS1)**

Prepared: 06/02/2009 12:00 Analyzed: 06/02/2009 13:26

Source: A902658-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	114		10.0	ug/L	98.0	13.8	102	75-125			
Antimony	4.78		0.500	ug/L	4.90	0.010	97	75-125			
Cadmium	4.71		0.300	ug/L	4.90	0.033	95	75-125			
Chromium	47.6		1.00	ug/L	49.0	0.070	97	75-125			
Iron	736		5.00	ug/L	98.0	635	103	75-125			



**QUALITY CONTROL**

**Metals by EPA 200 Series Methods - Quality Control**

Batch 9F01014 - EPA 3005A

Post Spike (9F01014-PS1) Continued

Prepared: 06/02/2009 12:00 Analyzed: 06/02/2009 13:26

Source: A902658-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	46.9		0.500	ug/L	49.0	0.058	96	75-125			
Manganese	55.0		1.00	ug/L	49.0	6.53	99	75-125			
Silver	4.73		0.100	ug/L	4.90	0.008	96	75-125			
Sodium	6800		100	ug/L	2450	4230	105	75-125			
Thallium	4.85		0.100	ug/L	4.90	0.028	98	75-125			

Batch AA07613 - 9F01012

Serial Dilution (AA07613-SRD1)

Prepared: 06/01/2009 00:00 Analyzed: 06/02/2009 13:35

Source: A902658-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	45.9		5.00	ug/L		43.2			6	10	

Serial Dilution (AA07613-SRD2)

Prepared: 06/01/2009 00:00 Analyzed: 06/02/2009 19:46

Source: A902411-11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	1390		2.00	ug/L						10	

Serial Dilution (AA07613-SRD3)

Prepared: 06/01/2009 00:00 Analyzed: 06/02/2009 23:42

Source: A902664-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	60.0		2.00	ug/L						10	

**Classical Chemistry Parameters - Quality Control**

Batch 9E30002 - NO PREP

Blank (9E30002-BLK1)

Prepared: 05/30/2009 08:00 Analyzed: 05/30/2009 08:56

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.24	U	5.0	mg/L							
Fluoride	0.03	U	0.20	mg/L							
Nitrate as N	0.020	U	1.0	mg/L							

LCS (9E30002-BS1)

Prepared: 05/30/2009 08:00 Analyzed: 05/30/2009 09:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		97	90-110			
Fluoride	0.91		0.20	mg/L	0.998		91	90-110			
Nitrate as N	9.4		1.0	mg/L	10.0		94	90-110			

Matrix Spike (9E30002-MS1)

Prepared: 05/30/2009 09:01 Analyzed: 05/30/2009 10:36

Source: A902662-03



**QUALITY CONTROL**

**Classical Chemistry Parameters - Quality Control**

Batch 9E30002 - NO PREP

Matrix Spike (9E30002-MS1) Continued

Prepared: 05/30/2009 09:01 Analyzed: 05/30/2009 10:36

Source: A902662-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	59		5.0	mg/L	51.0	7.4	101	90-110			
Fluoride	1.0		0.20	mg/L	1.02	0.05	94	90-110			
Nitrate as N	13		1.0	mg/L	10.2	3.0	100	90-110			

Matrix Spike Dup (9E30002-MSD1)

Prepared: 05/30/2009 09:01 Analyzed: 05/30/2009 10:54

Source: A902662-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	58		5.0	mg/L	51.0	7.4	99	90-110	1	10	
Fluoride	1.0		0.20	mg/L	1.02	0.05	93	90-110	0.1	10	
Nitrate as N	13		1.0	mg/L	10.2	3.0	100	90-110	0.09	10	

Batch 9F01002 - NO PREP

Blank (9F01002-BLK1)

Prepared: 06/01/2009 09:43 Analyzed: 06/01/2009 11:24

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.010	U	0.020	mg/L							

LCS (9F01002-BS1)

Prepared: 06/01/2009 09:43 Analyzed: 06/01/2009 11:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.97		0.020	mg/L	1.00		97	90-110			

Matrix Spike (9F01002-MS1)

Prepared: 06/01/2009 09:43 Analyzed: 06/01/2009 11:40

Source: A902487-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.90		0.020	mg/L	1.00	0.010 U	90	90-110			

Matrix Spike Dup (9F01002-MSD1)

Prepared: 06/01/2009 09:43 Analyzed: 06/01/2009 11:41

Source: A902487-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.92		0.020	mg/L	1.00	0.010 U	92	90-110	3	10	

Batch 9F02014 - NO PREP

Blank (9F02014-BLK1)

Prepared: 06/02/2009 17:30 Analyzed: 06/03/2009 23:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (9F02014-BS1)

Prepared: 06/02/2009 17:30 Analyzed: 06/03/2009 23:03



**QUALITY CONTROL**

**Classical Chemistry Parameters - Quality Control**

Batch 9F02014 - NO PREP

LCS (9F02014-BS1) Continued

Prepared: 06/02/2009 17:30 Analyzed: 06/03/2009 23:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	300		10	mg/L	300		101	88-111			

Duplicate (9F02014-DUP1)

Prepared: 06/02/2009 17:30 Analyzed: 06/03/2009 23:03

Source: A902662-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	340		10	mg/L		330			2	10	



**Environmental Conservation Laboratories, Inc.**

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Orlando FL, 32824

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Friday, June 19, 2009

The Colinas Group (CO016)

Attn: Rick Potts

509 N. Virginia Ave.

Winter Park, FL 32789

**RE: Laboratory Results for**

**Project Number: 53008, Project Name/Desc: SUMTER COUNTY VOL. RED. & LANDFILL**

**ENCO Workorder: A902294**

Dear Rick Potts,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, May 28, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Marcia Colon'.

Marcia Colon

Project Manager

Enclosure(s)



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**SAMPLE SUMMARY/LABORATORY CHRONICLE**

Client ID: MW-2		Lab ID: A902294-01		Sampled: 05/28/09 13:28		Received: 05/28/09 17:22	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/24/09		06/01/09 12:09		6/3/2009 13:15		
EPA 245.1	06/25/09		06/02/09 11:57		6/3/2009 07:08		
EPA 300.0	05/30/09	13:28	05/29/09 10:24		5/29/2009 13:12		
EPA 300.0	06/25/09		05/29/09 10:24		5/29/2009 13:12		
EPA 350.1	06/25/09		06/01/09 09:47		6/1/2009 13:05		
Field	05/28/09	13:42	05/28/09 13:28		5/28/2009 13:28		
Field	05/29/09	13:28	05/29/09	13:28	05/28/09 13:28		5/28/2009 13:28
Field	05/30/09	13:28	05/28/09 13:28		5/28/2009 13:28		
SM18 2540C	06/04/09		05/31/09 09:54		6/1/2009 23:15		

Client ID: MW-8		Lab ID: A902294-02		Sampled: 05/28/09 15:48		Received: 05/28/09 17:22	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/24/09		06/01/09 12:09		6/3/2009 13:57		
EPA 245.1	06/25/09		06/02/09 11:57		6/3/2009 07:24		
EPA 300.0	05/30/09	15:48	05/29/09 10:24		5/29/2009 12:02		
EPA 300.0	06/25/09		05/29/09 10:24		5/29/2009 12:02		
EPA 350.1	06/25/09		06/01/09 09:47		6/1/2009 13:04		
Field	05/28/09	16:02	05/28/09 15:48		5/28/2009 15:48		
Field	05/29/09	15:48	05/29/09	15:48	05/28/09 15:48		5/28/2009 15:48
Field	05/30/09	15:48	05/28/09 15:48		5/28/2009 15:48		
SM18 2540C	06/04/09		05/31/09 09:54		6/1/2009 23:15		

Client ID: MW-9A		Lab ID: A902294-03		Sampled: 05/28/09 15:46		Received: 05/28/09 17:22	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 200.8	11/24/09		06/01/09 12:09		6/3/2009 14:04		
EPA 245.1	06/25/09		06/02/09 11:57		6/3/2009 07:27		
EPA 300.0	05/30/09	15:46	05/29/09 10:24		5/29/2009 12:19		
EPA 300.0	06/25/09		05/29/09 10:24		5/29/2009 12:19		
EPA 350.1	06/25/09		06/01/09 09:47		6/1/2009 13:19		
Field	05/28/09	16:00	05/28/09 15:46		5/28/2009 15:46		
Field	05/29/09	15:46	05/29/09	15:46	05/28/09 15:46		5/28/2009 15:46
Field	05/30/09	15:46	05/28/09 15:46		5/28/2009 15:46		
SM18 2540C	06/04/09		05/31/09 09:54		6/1/2009 23:15		



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Client ID:	MW-11	Lab ID:	A902294-04	Sampled:	05/28/09 10:55	Received:	05/28/09 17:22
Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 200.8	11/24/09			06/01/09	12:09	6/3/2009 15:07	
EPA 245.1	06/25/09			06/02/09	11:57	6/3/2009 07:37	
EPA 300.0	05/30/09	10:55		05/29/09	10:24	5/29/2009 13:29	
EPA 300.0	06/25/09			05/29/09	10:24	5/29/2009 13:29	
EPA 350.1	06/25/09			06/01/09	09:47	6/1/2009 13:20	
Field	05/28/09	11:09		05/28/09	10:55	5/28/2009 10:55	
Field	05/29/09	10:55	05/29/09 10:55	05/28/09	10:55	5/28/2009 10:55	
Field	05/30/09	10:55		05/28/09	10:55	5/28/2009 10:55	
SM18 2540C	06/04/09			05/31/09	09:54	6/1/2009 23:15	

Client ID:	EQUIPMENT BLANK	Lab ID:	A902294-05	Sampled:	05/28/09 14:00	Received:	05/28/09 17:22
Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 200.8	11/24/09			06/01/09	12:09	6/3/2009 14:53	
EPA 245.1	06/25/09			06/02/09	11:57	6/3/2009 07:40	
EPA 300.0	05/30/09	14:00		05/29/09	10:24	5/29/2009 13:47	
EPA 300.0	06/25/09			05/29/09	10:24	5/29/2009 13:47	
EPA 350.1	06/25/09			06/01/09	09:47	6/1/2009 13:21	
SM18 2540C	06/04/09			05/31/09	09:54	6/1/2009 23:15	



**QUALITY CONTROL**

**Metals by EPA 200 Series Methods - Quality Control**

Batch 9E29017 - EPA 3005A

**LCS (9E29017-BS1)**

Prepared: 06/01/2009 12:09 Analyzed: 06/03/2009 13:07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1020		100	ug/L	1000		102	85-115			
Antimony	49.0		5.00	ug/L	50.0		98	85-115			
Cadmium	49.3		3.00	ug/L	50.0		99	85-115			
Chromium	503		10.0	ug/L	500		101	85-115			
Iron	1020		50.0	ug/L	1000		102	85-115			
Lead	487		5.00	ug/L	500		97	85-115			
Manganese	502		10.0	ug/L	500		100	85-115			
Silver	49.5		1.00	ug/L	50.0		99	85-115			
Sodium	24.9		1.00	mg/L	25.0		100	85-115			
Thallium	49.8		1.00	ug/L	50.0		100	85-115			

**Matrix Spike (9E29017-MS1)**

Prepared: 06/01/2009 12:09 Analyzed: 06/03/2009 13:24

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1230		100	ug/L	1000	189	104	85-115			
Antimony	49.4		5.00	ug/L	50.0	0.878	97	85-115			
Cadmium	49.7		3.00	ug/L	50.0	1.10 U	99	85-115			
Chromium	500		10.0	ug/L	500	4.50 U	100	85-115			
Iron	1080		50.0	ug/L	1000	64.7	101	85-115			
Lead	488		5.00	ug/L	500	1.20 U	98	85-115			
Manganese	504		10.0	ug/L	500	8.88	99	85-115			
Silver	49.4		1.00	ug/L	50.0	0.200 U	99	85-115			
Sodium	29.0		1.00	mg/L	25.0	4.17	99	85-115			
Thallium	50.2		1.00	ug/L	50.0	0.260 U	100	85-115			

**Matrix Spike Dup (9E29017-MSD1)**

Prepared: 06/01/2009 12:09 Analyzed: 06/03/2009 13:32

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1310		100	ug/L	1000	189	112	85-115	6	20	
Antimony	50.9		5.00	ug/L	50.0	0.878	100	85-115	3	20	
Cadmium	51.0		3.00	ug/L	50.0	1.10 U	102	85-115	2	20	
Chromium	510		10.0	ug/L	500	4.50 U	102	85-115	2	20	
Iron	1080		50.0	ug/L	1000	64.7	102	85-115	0.5	20	
Lead	499		5.00	ug/L	500	1.20 U	100	85-115	2	20	
Manganese	513		10.0	ug/L	500	8.88	101	85-115	2	20	
Silver	50.0		1.00	ug/L	50.0	0.200 U	100	85-115	1	20	
Sodium	29.6		1.00	mg/L	25.0	4.17	102	85-115	2	20	
Thallium	51.6		1.00	ug/L	50.0	0.260 U	103	85-115	3	20	

**Post Spike (9E29017-PS1)**

Prepared: 06/03/2009 12:00 Analyzed: 06/03/2009 13:40

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	118		10.0	ug/L	98.0	18.5	101	75-125			
Antimony	4.81		0.500	ug/L	4.90	0.086	96	75-125			



QUALITY CONTROL

Metals by EPA 200 Series Methods - Quality Control

Batch 9E29017 - EPA 3005A

Post Spike (9E29017-PS1) Continued

Prepared: 06/03/2009 12:00 Analyzed: 06/03/2009 13:40

Source: A902294-01

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Cadmium, Chromium, Iron, Lead, Manganese, Silver, Sodium, and Thallium.

Batch AA07623 - 9F01014

Serial Dilution (AA07623-SRD1)

Prepared: 06/02/2009 00:00 Analyzed: 06/03/2009 13:49

Source: A902294-01

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Row includes Sodium.

Serial Dilution (AA07623-SRD2)

Prepared: 06/02/2009 00:00 Analyzed: 06/03/2009 21:34

Source: A901684-01

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Row includes Sodium.

Classical Chemistry Parameters - Quality Control

Batch 9E29001 - NO PREP

Blank (9E29001-BLK1)

Prepared: 05/29/2009 08:00 Analyzed: 05/29/2009 08:53

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Chloride, Fluoride, Nitrate as N.

LCS (9E29001-BS1)

Prepared: 05/29/2009 08:00 Analyzed: 05/29/2009 09:28

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Chloride, Fluoride, Nitrate as N.

Matrix Spike (9E29001-MS1)

Prepared: 05/29/2009 10:24 Analyzed: 05/29/2009 12:37

Source: A902294-01

Table with 12 columns: Analyte, Result, Flag, PQL, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Chloride, Fluoride.



QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9E29001 - NO PREP

Matrix Spike (9E29001-MS1) Continued

Prepared: 05/29/2009 10:24 Analyzed: 05/29/2009 12:37

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	14		1.0	mg/L	10.2	2.7	107	90-110			

Matrix Spike Dup (9E29001-MSD1)

Prepared: 05/29/2009 10:24 Analyzed: 05/29/2009 12:54

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	60		5.0	mg/L	51.0	5.5	106	90-110	0.3	10	
Fluoride	1.2		0.20	mg/L	1.02	0.12	103	90-110	0.5	10	
Nitrate as N	14		1.0	mg/L	10.2	2.7	107	90-110	0.5	10	

Batch 9E31001 - NO PREP

Blank (9E31001-BLK1)

Prepared: 05/31/2009 09:54 Analyzed: 06/01/2009 23:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (9E31001-BS1)

Prepared: 05/31/2009 09:54 Analyzed: 06/01/2009 23:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	300		10	mg/L	300		99	88-111			

Duplicate (9E31001-DUP1)

Prepared: 05/31/2009 09:54 Analyzed: 06/01/2009 23:15

Source: A902294-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	500		10	mg/L		490			1	10	

Batch 9F01007 - NO PREP

Blank (9F01007-BLK1)

Prepared: 06/01/2009 09:47 Analyzed: 06/01/2009 12:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.010	U	0.020	mg/L							

LCS (9F01007-BS1)

Prepared: 06/01/2009 09:47 Analyzed: 06/01/2009 13:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.97		0.020	mg/L	1.00		97	90-110			

Matrix Spike (9F01007-MS1)

Prepared: 06/01/2009 09:47 Analyzed: 06/01/2009 13:06

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.96		0.020	mg/L	1.00	0.010 U	96	90-110			



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**QUALITY CONTROL**

**Classical Chemistry Parameters - Quality Control**

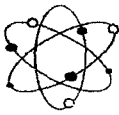
Batch 9F01007 - NO PREP

Matrix Spike Dup (9F01007-MSD1)

Prepared: 06/01/2009 09:47 Analyzed: 06/01/2009 13:07

Source: A902294-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.96		0.020	mg/L	1.00	0.010 U	96	90-110	0.5	10	



QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	0905196-01	06/03/09	1.3	10.2	8.9	10.0	75	11.6
Radium 226	0905196-05	06/10/09	<0.2	25.2	21.8	20.7	87	5.2
Radium 228	0905196-05	06/10/09	<1.0	5.7	4.7	5.5	82	15.7

Quality Control Limits

% RPD % Rec.

Gross Alpha	25.0	60-125
Radium 226	23.4	78-125
Radium 228	23.9	67-125



**SUBCONTRACT ORDER**

ENCO Orlando

**A902294**

**SENDING LABORATORY:**

ENCO Orlando  
10775 Central Port Drive  
Orlando, FL 32824  
Phone: 407.826.5314  
Fax: 407.850.6945  
Project Manager: Marcia-Colon

**RECEIVING LABORATORY:**

FL Rad-Chem  
5456 Hoffner Ave, Suite 201  
Orlando, FL 32812  
Phone : (407) 382-7733  
Fax: (407) 382-7744  
Project State of Origin: Florida

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
	MW-2	Ground Water	28-May-09 13:28	

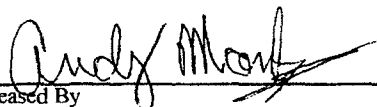
Analysis	Date	Client Matrix	Analysis Comments
Gross Alpha	05-Jun-09 15:00	28-May-09 13:28	
Radium 226	05-Jun-09 15:00	11-Jun-09 13:28	
Radium 228	05-Jun-09 15:00	11-Jun-09 13:28	
<i>Containers Supplied:</i>			
1LP+HNO3 (A)	1LP+HNO3 (B)		


Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
	MW-8	Ground Water	28-May-09 15:48	

Analysis	Date	Client Matrix	Analysis Comments
Gross Alpha	05-Jun-09 15:00	28-May-09 15:48	
Radium 226	05-Jun-09 15:00	11-Jun-09 15:48	
Radium 228	05-Jun-09 15:00	11-Jun-09 15:48	
<i>Containers Supplied:</i>			
1LP+HNO3 (A)	1LP+HNO3 (B)		

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
	MW-9A	Ground Water	28-May-09 15:46	

Analysis	Date	Client Matrix	Analysis Comments
Gross Alpha	05-Jun-09 15:00	28-May-09 15:46	
Radium 226	05-Jun-09 15:00	11-Jun-09 15:46	
Radium 228	05-Jun-09 15:00	11-Jun-09 15:46	
<i>Containers Supplied:</i>			
1LP+HNO3 (A)	1LP+HNO3 (B)		

Released By  Date 5/29/09

Received By  Date 5-29-09 13:50

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_

SUBCONTRACT ORDER

ENCO Orlando

A902294

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
	MW-11	Ground Water	28-May-09 10:55	

Analysis	Date	Analysis	Date
Gross Alpha	05-Jun-09 15:00	28-May-09 10:55	
Radium 226	05-Jun-09 15:00	11-Jun-09 10:55	
Radium 228	05-Jun-09 15:00	11-Jun-09 10:55	

Containers Supplied:  
1LP+HNO3 (A)      1LP+HNO3 (B)

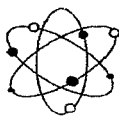
Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
	EQUIPMENT BLANK	Ground Water	28-May-09 14:00	

Analysis	Date	Analysis	Date
Gross Alpha	05-Jun-09 15:00	28-May-09 14:00	
Radium 226	05-Jun-09 15:00	11-Jun-09 14:00	
Radium 228	05-Jun-09 15:00	11-Jun-09 14:00	

Containers Supplied:  
1LP+HNO3 (A)      1LP+HNO3 (B)

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By M. [Signature] Date 5-29-09 13:50

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_



QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	0906004-03	06/04/09	6.0	10.2	14.0	16.0	78	13.3
Radium 226	0905196-05	06/10/09	<0.2	25.2	21.8	20.7	87	5.2
Radium 228	0905196-05	06/10/09	<1.0	5.7	4.7	5.5	82	15.7

Quality Control Limits

% RPD % Rec.

Gross Alpha	25.0	60-125
Radium 226	23.4	78-125
Radium 228	23.9	67-125

**SUBCONTRACT ORDER**

**ENCO Orlando**

**A902662**

**SENDING LABORATORY:**

ENCO Orlando  
 10775 Central Port Drive  
 Orlando, FL 32824  
 Phone: 407.826.5314  
 Fax: 407.850.6945  
 Project Manager: Marcia Colon

**RECEIVING LABORATORY:**

FL Rad-Chem  
 5456 Hoffner Ave, Suite 201  
 Orlando, FL 32812  
 Phone :(407) 382-7733  
 Fax: (407) 382-7744  
 Project State of Origin: Florida

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
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A902662-01 MW-10 Ground Water 29-May-09 10:11

Analysis	Date	Analysis	Date
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Gross Alpha	05-Jun-09 15:00	29-May-09 10:11	
Radium 226	05-Jun-09 15:00	12-Jun-09 10:11	
Radium 228	05-Jun-09 15:00	12-Jun-09 10:11	

*Containers Supplied:*

1LP+HNO3 (A) 1LP+HNO3 (B)

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
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-02 MW-6A Ground Water 29-May-09 11:25

Analysis	Date	Analysis	Date
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Gross Alpha	05-Jun-09 15:00	29-May-09 11:25	
Radium 226	05-Jun-09 15:00	12-Jun-09 11:25	
Radium 228	05-Jun-09 15:00	12-Jun-09 11:25	

*Containers Supplied:*

1LP+HNO3 (A) 1LP+HNO3 (B)

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
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-03 MW-4B Ground Water 29-May-09 12:34

Analysis	Date	Analysis	Date
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Gross Alpha	05-Jun-09 15:00	29-May-09 12:34	
Radium 226	05-Jun-09 15:00	12-Jun-09 12:34	
Radium 228	05-Jun-09 15:00	12-Jun-09 12:34	

*Containers Supplied:*

1LP+HNO3 (A) 1LP+HNO3 (B)

Released By

Date

Received By

Date

Released By

Date

Received By

Date

SUBCONTRACT ORDER

ENCO Orlando

A902662

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
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A902662-04 MW-4A                      Ground Water                      29-May-09 13:38

Analysis	Date	Time	Sample Comments
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Gross Alpha                      05-Jun-09 15:00                      29-May-09 13:38  
Radium 226                      05-Jun-09 15:00                      12-Jun-09 13:38  
Radium 228                      05-Jun-09 15:00                      12-Jun-09 13:38

Containers Supplied:

1LP+HNO3 (A)                      1LP+HNO3 (B)

Sub Lab ID	Originating Lab ID	Client Matrix	Date Sampled	Sample Comments
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-05 MW-4                      Ground Water                      29-May-09 14:38

Analysis	Date	Time	Sample Comments
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Gross Alpha                      05-Jun-09 15:00                      29-May-09 14:38  
Radium 226                      05-Jun-09 15:00                      12-Jun-09 14:38  
Radium 228                      05-Jun-09 15:00                      12-Jun-09 14:38

Containers Supplied:

1LP+HNO3 (A)                      1LP+HNO3 (B)

Released By  Date \_\_\_\_\_ Received By  Date \_\_\_\_\_

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_