Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Tuesday, January 30, 2007

US Fish and Wildlife (US014)

Attn: Tom Augspurger

PO Box 33726

Raleigh, NC 27636-3726

RE: Project Number: [none], Project Name/Desc: Cape Fear River Project
ENCO Workorder: C700518

Dear Tom Augspurger,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, January 12, 2007.

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.

This data has been produced in accordance with NELAC standards (June, 2003). 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. 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,

Bob George For Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 56.

CASE NARRATIVE

Date: January 26, 2007

Client: US Fish and Wildlife

Project #: Cape Fear River Project

Lab ID: C700518

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Samples

A Blank Spike and Blank Spike Duplicate (LCS/LCSD) were run due to insufficient sample to prepare a matrix spike and matrix spike duplicate (MS/MSD).

Other Comments

The hardness was run using EPA Method 200.8 rather than 200.7 due to insufficient sample.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package, please feel free to contact the undersigned for additional information.

Released By:
Environmental Conservation Laboratories, Inc.

Robert George
Laboratory Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: CF1E **Lab ID:** C700518-01

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:14
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF3E **Lab ID:** C700518-02

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:36
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF4E **Lab ID:** C700518-03

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:39
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF5E **Lab ID:** C700518-04

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:42
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF6E **Lab ID:** C700518-05

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:45
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

www.encolabs.com

Client ID: CF8E **Lab ID:** C700518-06

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:48
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF9E **Lab ID:** C700518-07

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:51
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF10E **Lab ID:** C700518-08

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:54
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF11E **Lab ID:** C700518-09

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 15:57
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

Client ID: WBE **Lab ID:** C700518-10

Sampled: 11/17/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/16/07	01/18/07 11:30	1/19/2007 16:00
SM 2340B	05/16/07	01/25/07 11:24	1/25/2007 13:19

www.encolabs.com

Client ID: CF1 **Lab ID:** C700518-11

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:04
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF3 **Lab ID:** C700518-12

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:44
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF4 **Lab ID:** C700518-13

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:47
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF5 **Lab ID:** C700518-14

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:50
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF6 **Lab ID:** C700518-15

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:53
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

www.encolabs.com

Client ID: CF8 **Lab ID:** C700518-16

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:56
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF9 **Lab ID:** C700518-17

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 16:59
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF10 **Lab ID:** C700518-18

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 17:02
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: CF11 **Lab ID:** C700518-19

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 18:26
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

Client ID: WB **Lab ID:** C700518-20

Sampled: 11/21/06 00:00 **Received:** 01/12/07 12:51

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 200.8	05/20/07	01/18/07 11:30	1/19/2007 18:29
SM 2340B	05/20/07	01/25/07 11:24	1/25/2007 13:19

SAMPLE DETECTION SUMMARY

Client ID: CF1E **Lab ID:** C700518-01

Analyte	Results/Qual	MRL	Units	Method
Aluminum	5380 B	5.0	ug/L	EPA 200.8
Arsenic	5.01	1.00	ug/L	EPA 200.8
Cadmium	0.24 J	1.00	ug/L	EPA 200.8
Chromium	24.1	1.00	ug/L	EPA 200.8
Copper	11.7	1.00	ug/L	EPA 200.8
Hardness	135	0.67	mg/L	SM 2340B
Iron	24400	50	ug/L	EPA 200.8
Lead	44.8	1.00	ug/L	EPA 200.8
Manganese	11500	1.00	ug/L	EPA 200.8
Nickel	11.4	1.00	ug/L	EPA 200.8
Selenium	1.10	1.00	ug/L	EPA 200.8
Zinc	77.0	5.00	ug/L	EPA 200.8

Client ID: CF3E **Lab ID:** C700518-02

Analyte	Results/Qual	MRL	Units	Method
Aluminum	12300 B	5.0	ug/L	EPA 200.8
Arsenic	4.86	1.00	ug/L	EPA 200.8
Cadmium	0.41 J	1.00	ug/L	EPA 200.8
Chromium	23.2	1.00	ug/L	EPA 200.8
Copper	18.8	1.00	ug/L	EPA 200.8
Hardness	81.7	0.67	mg/L	SM 2340B
Iron	27300	50	ug/L	EPA 200.8
Lead	110	1.00	ug/L	EPA 200.8
Manganese	6900	1.00	ug/L	EPA 200.8
Nickel	13.6	1.00	ug/L	EPA 200.8
Selenium	0.73 J	1.00	ug/L	EPA 200.8
Zinc	108	5.00	ug/L	EPA 200.8

Client ID: CF4E **Lab ID:** C700518-03

Analyte	Results/Qual	MRL	Units	Method
Aluminum	7900 B	5.0	ug/L	EPA 200.8
Arsenic	3.91	1.00	ug/L	EPA 200.8
Cadmium	0.27 J	1.00	ug/L	EPA 200.8
Chromium	18.0	1.00	ug/L	EPA 200.8
Copper	15.4	1.00	ug/L	EPA 200.8
Hardness	63.8	0.67	mg/L	SM 2340B
Iron	21400	50	ug/L	EPA 200.8
Lead	47.7	1.00	ug/L	EPA 200.8
Manganese	5700	1.00	ug/L	EPA 200.8
Nickel	10.8	1.00	ug/L	EPA 200.8
Selenium	0.49 J	1.00	ug/L	EPA 200.8
Zinc	79.2	5.00	ug/L	EPA 200.8

Client ID: CF5E **Lab ID:** C700518-04

Analyte	Results/Qual	MRL	Units	Method
Aluminum	12000 B	5.0	ug/L	EPA 200.8
Arsenic	5.17	1.00	ug/L	EPA 200.8
Cadmium	0.46 J	1.00	ug/L	EPA 200.8
Chromium	23.1	1.00	ug/L	EPA 200.8
Copper	18.0	1.00	ug/L	EPA 200.8
Hardness	83.8	0.67	mg/L	SM 2340B
Iron	29700	50	ug/L	EPA 200.8
Lead	62.2	1.00	ug/L	EPA 200.8
Manganese	6780	1.00	ug/L	EPA 200.8
Nickel	12.9	1.00	ug/L	EPA 200.8
Selenium	0.42 J	1.00	ug/L	EPA 200.8
Zinc	110	5.00	ug/L	EPA 200.8

Client ID: CF6E **Lab ID:** C700518-05

Analyte	Results/Qual	MRL	Units	Method
Aluminum	3970 B	5.0	ug/L	EPA 200.8
Arsenic	6.46	1.00	ug/L	EPA 200.8
Cadmium	0.13 J	1.00	ug/L	EPA 200.8
Chromium	9.51	1.00	ug/L	EPA 200.8
Copper	9.01	1.00	ug/L	EPA 200.8
Hardness	101	0.67	mg/L	SM 2340B
Iron	25100	50	ug/L	EPA 200.8
Lead	49.4	1.00	ug/L	EPA 200.8
Manganese	9250	1.00	ug/L	EPA 200.8
Nickel	8.20	1.00	ug/L	EPA 200.8
Selenium	0.78 J	1.00	ug/L	EPA 200.8
Zinc	76.1	5.00	ug/L	EPA 200.8

Client ID: CF8E **Lab ID:** C700518-06

Analyte	Results/Qual	MRL	Units	Method
Aluminum	15600 B	5.0	ug/L	EPA 200.8
Arsenic	5.44	1.00	ug/L	EPA 200.8
Cadmium	0.39 J	1.00	ug/L	EPA 200.8
Chromium	30.3	1.00	ug/L	EPA 200.8
Copper	24.2	1.00	ug/L	EPA 200.8
Hardness	70.6	0.67	mg/L	SM 2340B
Iron	33200	50	ug/L	EPA 200.8
Lead	231	1.00	ug/L	EPA 200.8
Manganese	5010	1.00	ug/L	EPA 200.8
Nickel	19.8	1.00	ug/L	EPA 200.8
Selenium	0.52 J	1.00	ug/L	EPA 200.8
Zinc	140	5.00	ug/L	EPA 200.8

Client ID: CF9E **Lab ID:** C700518-07

Analyte	Results/Qual	MRL	Units	Method

Aluminum	9590 B	5.0	ug/L	EPA 200.8
Arsenic	4.89	1.00	ug/L	EPA 200.8
Cadmium	0.33 J	1.00	ug/L	EPA 200.8
Chromium	19.7	1.00	ug/L	EPA 200.8
Copper	16.9	1.00	ug/L	EPA 200.8
Hardness	85.8	0.67	mg/L	SM 2340B
Iron	24400	50	ug/L	EPA 200.8
Lead	59.3	1.00	ug/L	EPA 200.8
Manganese	7710	1.00	ug/L	EPA 200.8
Nickel	13.2	1.00	ug/L	EPA 200.8
Selenium	0.51 J	1.00	ug/L	EPA 200.8
Zinc	133	5.00	ug/L	EPA 200.8

Client ID: **CF10E** **Lab ID:** **C700518-08**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	2680 B	5.0	ug/L	EPA 200.8
Arsenic	7.42	1.00	ug/L	EPA 200.8
Chromium	6.85	1.00	ug/L	EPA 200.8
Copper	9.32	1.00	ug/L	EPA 200.8
Hardness	149	0.67	mg/L	SM 2340B
Iron	26800	50	ug/L	EPA 200.8
Lead	366	1.00	ug/L	EPA 200.8
Manganese	18600	1.00	ug/L	EPA 200.8
Nickel	10.8	1.00	ug/L	EPA 200.8
Selenium	0.95 J	1.00	ug/L	EPA 200.8
Zinc	63.8	5.00	ug/L	EPA 200.8

Client ID: **CF11E** **Lab ID:** **C700518-09**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	6680 B	5.0	ug/L	EPA 200.8
Arsenic	6.07	1.00	ug/L	EPA 200.8
Cadmium	0.26 J	1.00	ug/L	EPA 200.8
Chromium	27.9	1.00	ug/L	EPA 200.8
Copper	15.4	1.00	ug/L	EPA 200.8
Hardness	154	0.67	mg/L	SM 2340B
Iron	32200	50	ug/L	EPA 200.8
Lead	113	1.00	ug/L	EPA 200.8
Manganese	15700	1.00	ug/L	EPA 200.8
Nickel	19.5	1.00	ug/L	EPA 200.8
Selenium	0.74 J	1.00	ug/L	EPA 200.8
Zinc	79.9	5.00	ug/L	EPA 200.8

Client ID: **WBE** **Lab ID:** **C700518-10**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	513 B	5.0	ug/L	EPA 200.8
Arsenic	1.27	1.00	ug/L	EPA 200.8
Chromium	5.92	1.00	ug/L	EPA 200.8
Copper	9.96	1.00	ug/L	EPA 200.8

Hardness	78.0	0.67	mg/L	SM 2340B
Iron	17100	50	ug/L	EPA 200.8
Lead	31.2	1.00	ug/L	EPA 200.8
Manganese	2690	1.00	ug/L	EPA 200.8
Nickel	7.84	1.00	ug/L	EPA 200.8
Zinc	20.2	5.00	ug/L	EPA 200.8

Client ID: **CF1** **Lab ID:** **C700518-11**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	1380 B	5.0	ug/L	EPA 200.8
Arsenic	14.7	1.00	ug/L	EPA 200.8
Cadmium	0.37 J	1.00	ug/L	EPA 200.8
Chromium	2.22	1.00	ug/L	EPA 200.8
Copper	19.5	1.00	ug/L	EPA 200.8
Hardness	377	0.67	mg/L	SM 2340B
Iron	96100	50	ug/L	EPA 200.8
Lead	19.6	1.00	ug/L	EPA 200.8
Manganese	43300	1.00	ug/L	EPA 200.8
Nickel	6.22	1.00	ug/L	EPA 200.8
Selenium	2.17	1.00	ug/L	EPA 200.8
Zinc	59.5	5.00	ug/L	EPA 200.8

Client ID: **CF3** **Lab ID:** **C700518-12**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	4540 B	5.0	ug/L	EPA 200.8
Arsenic	10.7	1.00	ug/L	EPA 200.8
Cadmium	0.66 J	1.00	ug/L	EPA 200.8
Chromium	11.6	1.00	ug/L	EPA 200.8
Copper	36.5	1.00	ug/L	EPA 200.8
Hardness	218	0.67	mg/L	SM 2340B
Iron	81500	50	ug/L	EPA 200.8
Lead	36.2	1.00	ug/L	EPA 200.8
Manganese	24900	1.00	ug/L	EPA 200.8
Nickel	8.17	1.00	ug/L	EPA 200.8
Selenium	1.83	1.00	ug/L	EPA 200.8
Zinc	121	5.00	ug/L	EPA 200.8

Client ID: **CF4** **Lab ID:** **C700518-13**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	7090 B	5.0	ug/L	EPA 200.8
Arsenic	7.67	1.00	ug/L	EPA 200.8
Cadmium	0.83 J	1.00	ug/L	EPA 200.8
Chromium	16.6	1.00	ug/L	EPA 200.8
Copper	48.5	1.00	ug/L	EPA 200.8
Hardness	144	0.67	mg/L	SM 2340B
Iron	69000	50	ug/L	EPA 200.8
Lead	54.2	1.00	ug/L	EPA 200.8
Manganese	19200	1.00	ug/L	EPA 200.8

Nickel	7.98	1.00	ug/L	EPA 200.8
Selenium	1.51	1.00	ug/L	EPA 200.8
Zinc	122	5.00	ug/L	EPA 200.8

Client ID: **CF5** **Lab ID:** **C700518-14**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	3130 B	5.0	ug/L	EPA 200.8
Arsenic	10.8	1.00	ug/L	EPA 200.8
Cadmium	0.42 J	1.00	ug/L	EPA 200.8
Chromium	8.50	1.00	ug/L	EPA 200.8
Copper	22.3	1.00	ug/L	EPA 200.8
Hardness	231	0.67	mg/L	SM 2340B
Iron	68000	50	ug/L	EPA 200.8
Lead	23.2	1.00	ug/L	EPA 200.8
Manganese	20600	1.00	ug/L	EPA 200.8
Nickel	6.77	1.00	ug/L	EPA 200.8
Selenium	1.26	1.00	ug/L	EPA 200.8
Zinc	103	5.00	ug/L	EPA 200.8

Client ID: **CF6** **Lab ID:** **C700518-15**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	1650 B	5.0	ug/L	EPA 200.8
Arsenic	18.6	1.00	ug/L	EPA 200.8
Cadmium	0.34 J	1.00	ug/L	EPA 200.8
Chromium	2.37	1.00	ug/L	EPA 200.8
Copper	18.7	1.00	ug/L	EPA 200.8
Hardness	382	0.67	mg/L	SM 2340B
Iron	111000	50	ug/L	EPA 200.8
Lead	18.2	1.00	ug/L	EPA 200.8
Manganese	37200	1.00	ug/L	EPA 200.8
Nickel	6.99	1.00	ug/L	EPA 200.8
Selenium	2.41	1.00	ug/L	EPA 200.8
Zinc	67.0	5.00	ug/L	EPA 200.8

Client ID: **CF8** **Lab ID:** **C700518-16**

Analyte	Results/Qual	MRL	Units	Method
Aluminum	8680 B	5.0	ug/L	EPA 200.8
Arsenic	9.62	1.00	ug/L	EPA 200.8
Cadmium	0.63 J	1.00	ug/L	EPA 200.8
Chromium	22.7	1.00	ug/L	EPA 200.8
Copper	32.7	1.00	ug/L	EPA 200.8
Hardness	161	0.67	mg/L	SM 2340B
Iron	52900	50	ug/L	EPA 200.8
Lead	32.6	1.00	ug/L	EPA 200.8
Manganese	10300	1.00	ug/L	EPA 200.8
Nickel	9.01	1.00	ug/L	EPA 200.8
Selenium	1.37	1.00	ug/L	EPA 200.8
Zinc	127	5.00	ug/L	EPA 200.8

Client ID: CF9 **Lab ID:** C700518-17

Analyte	Results/Qual	MRL	Units	Method
Aluminum	2060 B	5.0	ug/L	EPA 200.8
Arsenic	11.6	1.00	ug/L	EPA 200.8
Cadmium	0.28 J	1.00	ug/L	EPA 200.8
Chromium	5.75	1.00	ug/L	EPA 200.8
Copper	18.5	1.00	ug/L	EPA 200.8
Hardness	246	0.67	mg/L	SM 2340B
Iron	61900	50	ug/L	EPA 200.8
Lead	19.3	1.00	ug/L	EPA 200.8
Manganese	23400	1.00	ug/L	EPA 200.8
Nickel	6.21	1.00	ug/L	EPA 200.8
Selenium	1.46	1.00	ug/L	EPA 200.8
Zinc	68.8	5.00	ug/L	EPA 200.8

Client ID: CF10 **Lab ID:** C700518-18

Analyte	Results/Qual	MRL	Units	Method
Aluminum	823 B	5.0	ug/L	EPA 200.8
Arsenic	22.5	1.00	ug/L	EPA 200.8
Cadmium	0.34 J	1.00	ug/L	EPA 200.8
Chromium	0.74 J	1.00	ug/L	EPA 200.8
Copper	19.8	1.00	ug/L	EPA 200.8
Hardness	507	0.67	mg/L	SM 2340B
Iron	102000	50	ug/L	EPA 200.8
Lead	19.7	1.00	ug/L	EPA 200.8
Manganese	64600	1.00	ug/L	EPA 200.8
Nickel	9.06	1.00	ug/L	EPA 200.8
Selenium	2.95	1.00	ug/L	EPA 200.8
Zinc	52.6	5.00	ug/L	EPA 200.8

Client ID: CF11 **Lab ID:** C700518-19

Analyte	Results/Qual	MRL	Units	Method
Arsenic	14.5	1.00	ug/L	EPA 200.8
Cadmium	0.30 J	1.00	ug/L	EPA 200.8
Chromium	1.40	1.00	ug/L	EPA 200.8
Copper	14.8	1.00	ug/L	EPA 200.8
Hardness	498	0.67	mg/L	SM 2340B
Iron	102000	50	ug/L	EPA 200.8
Lead	13.7	1.00	ug/L	EPA 200.8
Manganese	48800	1.00	ug/L	EPA 200.8
Nickel	5.77	1.00	ug/L	EPA 200.8
Selenium	2.01	1.00	ug/L	EPA 200.8
Zinc	76.4	5.00	ug/L	EPA 200.8

Client ID: WB **Lab ID:** C700518-20

Analyte	Results/Qual	MRL	Units	Method
Arsenic	2.56	1.00	ug/L	EPA 200.8

Cadmium	0.39	J	1.00	ug/L	EPA 200.8
Chromium	2.14		1.00	ug/L	EPA 200.8
Copper	34.6		1.00	ug/L	EPA 200.8
Hardness	220		0.67	mg/L	SM 2340B
Iron	67900		50	ug/L	EPA 200.8
Lead	6.49		1.00	ug/L	EPA 200.8
Manganese	9830		1.00	ug/L	EPA 200.8
Nickel	17.5		1.00	ug/L	EPA 200.8
Selenium	0.78	J	1.00	ug/L	EPA 200.8
Zinc	80.4		5.00	ug/L	EPA 200.8

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF1E	Project:	Cape Fear River Project
Lab #:	C700518-01	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**5380**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**5.01**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.24**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**24.1**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**11.7**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**24400**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**44.8**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**11500**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**11.4**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.10**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**77.0**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF1E	Project:	Cape Fear River Project
Lab #:	C700518-01	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**135**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF3E	Project:	Cape Fear River Project
Lab #:	C700518-02	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**12300**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**4.86**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.41**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**23.2**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**18.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**27300**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**110**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**6900**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**13.6**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.73**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**108**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF3E	Project:	Cape Fear River Project
Lab #:	C700518-02	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**81.7**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF4E	Project:	Cape Fear River Project
Lab #:	C700518-03	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**7900**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**3.91**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.27**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**18.0**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**15.4**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**21400**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**47.7**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**5700**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**10.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.49**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**79.2**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF4E	Project:	Cape Fear River Project
Lab #:	C700518-03	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**63.8**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID: CF5E
Lab #: C700518-04

Project: Cape Fear River Project
Work Order #: C700518
Matrix: Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**12000**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**5.17**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.46**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**23.1**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**18.0**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**29700**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**62.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**6780**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**12.9**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.42**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**110**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF5E	Project:	Cape Fear River Project
Lab #:	C700518-04	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**83.8**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID: CF6E
Lab #: C700518-05

Project: Cape Fear River Project
Work Order #: C700518
Matrix: Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**3970**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**6.46**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.13**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**9.51**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**9.01**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**25100**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**49.4**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**9250**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**8.20**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.78**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**76.1**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF6E	Project:	Cape Fear River Project
Lab #:	C700518-05	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**101**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID: CF8E
Lab #: C700518-06

Project: Cape Fear River Project
Work Order #: C700518
Matrix: Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**15600**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**5.44**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.39**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**30.3**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**24.2**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**33200**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**231**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**5010**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**19.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.52**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**140**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF8E	Project:	Cape Fear River Project
Lab #:	C700518-06	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**70.6**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF9E	Project:	Cape Fear River Project
Lab #:	C700518-07	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**9590**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**4.89**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.33**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**19.7**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**16.9**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**24400**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**59.3**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**7710**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**13.2**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.51**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**133**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF9E	Project:	Cape Fear River Project
Lab #:	C700518-07	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**85.8**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF10E	Project:	Cape Fear River Project
Lab #:	C700518-08	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**2680**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**7.42**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	0.12	U	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**6.85**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**9.32**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**26800**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**366**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**18600**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**10.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.95**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**63.8**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF10E	Project:	Cape Fear River Project
Lab #:	C700518-08	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**149**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF11E	Project:	Cape Fear River Project
Lab #:	C700518-09	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**6680**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**6.07**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.26**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**27.9**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**15.4**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**32200**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**113**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**15700**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**19.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.74**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**79.9**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF11E	Project:	Cape Fear River Project
Lab #:	C700518-09	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**154**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	WBE	Project:	Cape Fear River Project
Lab #:	C700518-10	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**513**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**1.27**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	0.12	U	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**5.92**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**9.96**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**17100**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**31.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**2690**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**7.84**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	0.32	U	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**20.2**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	WBE	Project:	Cape Fear River Project
Lab #:	C700518-10	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**78.0**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF1	Project:	Cape Fear River Project
Lab #:	C700518-11	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**1380**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**14.7**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.37**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**2.22**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**19.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**96100**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**19.6**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**43300**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**6.22**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**2.17**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**59.5**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF1	Project:	Cape Fear River Project
Lab #:	C700518-11	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**377**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID: CF3
Lab #: C700518-12

Project: Cape Fear River Project
Work Order #: C700518
Matrix: Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**4540**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**10.7**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.66**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**11.6**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**36.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**81500**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**36.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**24900**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**8.17**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.83**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**121**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF3	Project:	Cape Fear River Project
Lab #:	C700518-12	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**218**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF4	Project:	Cape Fear River Project
Lab #:	C700518-13	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**7090**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**7.67**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.83**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**16.6**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**48.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**69000**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**54.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**19200**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**7.98**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.51**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**122**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF4	Project:	Cape Fear River Project
Lab #:	C700518-13	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**144**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF5	Project:	Cape Fear River Project
Lab #:	C700518-14	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**3130**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**10.8**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.42**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**8.50**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**22.3**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**68000**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**23.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**20600**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**6.77**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.26**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**103**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF5	Project:	Cape Fear River Project
Lab #:	C700518-14	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**231**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF6	Project:	Cape Fear River Project
Lab #:	C700518-15	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**1650**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**18.6**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.34**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**2.37**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**18.7**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**111000**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**18.2**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**37200**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**6.99**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**2.41**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**67.0**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF6	Project:	Cape Fear River Project
Lab #:	C700518-15	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**382**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF8	Project:	Cape Fear River Project
Lab #:	C700518-16	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**8680**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**9.62**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.63**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**22.7**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**32.7**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**52900**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**32.6**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**10300**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**9.01**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.37**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**127**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF8	Project:	Cape Fear River Project
Lab #:	C700518-16	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**161**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID: CF9
Lab #: C700518-17

Project: Cape Fear River Project
Work Order #: C700518
Matrix: Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**2060**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**11.6**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.28**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**5.75**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**18.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**61900**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**19.3**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**23400**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**6.21**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**1.46**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**68.8**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF9	Project:	Cape Fear River Project
Lab #:	C700518-17	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**246**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF10	Project:	Cape Fear River Project
Lab #:	C700518-18	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	**823**	B	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**22.5**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.34**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**0.74**	J	0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**19.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**102000**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**19.7**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**64600**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**9.06**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**2.95**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**52.6**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF10	Project:	Cape Fear River Project
Lab #:	C700518-18	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**507**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF11	Project:	Cape Fear River Project
Lab #:	C700518-19	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	0.6	U	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**14.5**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.30**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**1.40**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**14.8**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**102000**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**13.7**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**48800**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**5.77**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**2.01**		0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**76.4**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CF11	Project:	Cape Fear River Project
Lab #:	C700518-19	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**498**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	WB	Project:	Cape Fear River Project
Lab #:	C700518-20	Work Order #:	C700518
		Matrix:	Water

Metals by EPA 200 Series Methods

Parameter	CAS Number	Analytical Results		MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Aluminum	7429-90-5	0.6	U	0.6	5.0	ug/L	EPA 200.8	EPA 200.8	7A18012
Arsenic	7440-38-2	**2.56**		0.18	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Cadmium	7440-43-9	**0.39**	J	0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Chromium	7440-47-3	**2.14**		0.33	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Copper	7440-50-8	**34.6**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Iron	7439-89-6	**67900**		10	50	ug/L	EPA 200.8	EPA 200.8	7A18012
Lead	7439-92-1	**6.49**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Manganese	7439-96-5	**9830**		0.11	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Nickel	7440-02-0	**17.5**		0.12	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Selenium	7782-49-2	**0.78**	J	0.32	1.00	ug/L	EPA 200.8	EPA 200.8	7A18012
Zinc	7440-66-6	**80.4**		0.45	5.00	ug/L	EPA 200.8	EPA 200.8	7A18012

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	WB	Project:	Cape Fear River Project
Lab #:	C700518-20	Work Order #:	C700518
		Matrix:	Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	MDL	MRL	Units	Analysis Method	Prep Method	Analytical Batch
Hardness	NA	**220**	0.10	0.67	mg/L	SM 2340B	EPA 200.7	7A18013

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 200 Series Methods - Quality Control										
Batch 7A18012 - EPA 200.8										
Blank (7A18012-BLK1)				Prepared: 01/18/2007 11:30 Analyzed: 01/19/2007 15:04						
Aluminum	47.7	5.0	ug/L							
Selenium	0.32 U	1.00	ug/L							
Arsenic	0.18 U	1.00	ug/L							
Cadmium	0.12 U	1.00	ug/L							
Chromium	0.637 J	1.00	ug/L							
Copper	0.12 U	1.00	ug/L							
Iron	10 U	50	ug/L							
Lead	0.11 U	1.00	ug/L							
Manganese	0.955 J	1.00	ug/L							
Nickel	0.142 J	1.00	ug/L							
Zinc	3.68 J	5.00	ug/L							
LCS (7A18012-BS1)				Prepared: 01/18/2007 11:30 Analyzed: 01/19/2007 15:08						
Aluminum	111 B	5.0	ug/L	50.0		222	85-115			B
Selenium	53.9	1.00	ug/L	50.0		108	85-115			
Arsenic	52.9	1.00	ug/L	50.0		106	85-115			
Cadmium	54.7	1.00	ug/L	50.0		109	85-115			
Chromium	55.7	1.00	ug/L	50.0		111	85-115			
Copper	53.7	1.00	ug/L	50.0		107	85-115			
Iron	48.1 J	50	ug/L	50.0		96	85-115			
Lead	55.0	1.00	ug/L	50.0		110	85-115			
Manganese	57.2	1.00	ug/L	50.0		114	85-115			
Nickel	54.5	1.00	ug/L	50.0		109	85-115			
Zinc	61.1	5.00	ug/L	50.0		122	85-115			
LCS Dup (7A18012-BSD1)				Prepared: 01/18/2007 11:30 Analyzed: 01/19/2007 15:11						
Aluminum	128 B	5.0	ug/L	50.0		255	85-115	14	200	B
Selenium	52.0	1.00	ug/L	50.0		104	85-115	4	200	
Arsenic	50.1	1.00	ug/L	50.0		100	85-115	5	200	
Cadmium	51.4	1.00	ug/L	50.0		103	85-115	6	200	
Chromium	52.6	1.00	ug/L	50.0		105	85-115	6	200	
Copper	50.8	1.00	ug/L	50.0		102	85-115	5	200	
Iron	42.6 J	50	ug/L	50.0		85	85-115	12	200	
Lead	52.6	1.00	ug/L	50.0		105	85-115	4	200	
Manganese	53.5	1.00	ug/L	50.0		107	85-115	7	200	
Nickel	50.6	1.00	ug/L	50.0		101	85-115	7	200	
Zinc	65.0	5.00	ug/L	50.0		130	85-115	6	200	
Batch 7A18013 - EPA 200.7										
Blank (7A18013-BLK1)				Prepared: 01/29/2007 09:03 Analyzed: 01/24/2007 16:53						
Calcium	97.0	50	ug/L							
Magnesium	5.6 U	50.0	ug/L							
LCS (7A18013-BS1)				Prepared: 01/29/2007 09:03 Analyzed: 01/24/2007 16:56						
Calcium	2740 B	50	ug/L				85-115			B
Magnesium	2590	50.0	ug/L				85-115			
LCS Dup (7A18013-BSD1)				Prepared: 01/29/2007 09:03 Analyzed: 01/24/2007 16:58						
Calcium	2610 B	50	ug/L	2500		104	85-115	5	200	B

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 200 Series Methods - Quality Control										
Batch 7A18013 - EPA 200.7										
LCS Dup (7A18013-BSD1) Continued				Prepared: 01/29/2007 09:03 Analyzed: 01/24/2007 16:58						
Magnesium	2540	50.0	ug/L	2500		102	85-115	2	200	
Classical Chemistry Parameters - Quality Control										
Batch 7A18013 - EPA 200.7										
Blank (7A18013-BLK1)				Prepared: 01/29/2007 09:03 Analyzed: 01/24/2007 16:53						
Hardness	0.10 U	0.67	mg/L							

NOTES AND DEFINITIONS

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
Aluminum Total EPA 200.8	Water	NC	591
Arsenic Total EPA 200.8	Water	NC	591
Cadmium Total EPA 200.8	Water	NC	591
Chromium Total EPA 200.8	Water	NC	591
Copper Total EPA 200.8	Water	NC	591
Hardness Total EPA 200.7	Water	NC	591
Iron Total EPA 200.8	Water	NC	591
Lead Total EPA 200.8	Water	NC	591
Manganese Total EPA 200.8	Water	NC	591
Nickel Total EPA 200.8	Water	NC	591
Selenium Total EPA 200.8	Water	NC	591
Zinc Total EPA 200.8	Water	NC	591