evergreen packaging

Canton Office
175 Main Street • Canton, NC 28716

July 27, 2012

JAG 58-12
Certified Mail #7008 3230 0002 2595 1508
Return Receipt Requested

Mr. Ervin Lane
Compliance Hydrogeologist
Division of Waste Management – Solid Waste Section
North Carolina Department of Environment
and Natural Resources
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

RECEIVED AUG - 1 2012

Subject: Landfill #6, Permit # 44-06, Groundwater and surface water sample results, May 2012

Dear Mr. Lane:

Please find enclosed information related to the sampling of groundwater and surface water at Blue Ridge Paper Products Landfill Number 6 (Permit No. 44-06). The sampling was conducted between May 21, 2012 and May 24, 2012. The analytical results were received in my office on July 26, 2012.

Enclosed are the following:

- Results of chemical analysis performed on groundwater, surface water, leachate, and Area 6A underflow samples.
- Chain-of custody records.
- A CD with the electronic version of the report.

If you have any questions, please feel free to call.

Sincerely,

James A. Giauque
Waste Compliance & Landfill Supervisor
Blue Ridge Paper Products Inc.
jim.giauque@everpack.com
828-646-2028 Fax 828-646-6892

Paul Dickens
Manager, Environmental
Blue Ridge Paper Products Inc.
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828-646-6141 Fax 828-646-6892

Enclosures
file:mwdata072712

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ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

Client	Blue Ridge Paper Products Jim Giaque 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 2050668 05/24/2012 07:15

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 24, 2012. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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We strive to provide excellent service to our clients. Please contact Kara Hrkach, your Project Manager, at kara.hrkach@rogersandcallcott.com or (864)-335-4956 if you have any questions about this report.

CC: Mark Lancaster - Rogers and Callcott

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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426 Fairforest Way, Greenville SC 29607 - PO Box 5655, Greenville SC 29606
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ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

South Carolina Laboratory Identification 23105
South Carolina Mobile Lab Identification 40572
North Carolina Laboratory Certification Number 27
NELAP Laboratory Identification E87822

Client Blue Ridge Paper Products
Jim Giaque
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 2050668
Received: 05/24/2012 07:15

Sample Number	Sample Description	Matrix	Sampled	Type
2050668-01	MW-18	Ground Water	05/23/12 13:10	Grab
2050668-02	MW-18	Ground Water	05/23/12 13:45	Grab
2050668-03	MW-21	Ground Water	05/23/12 15:00	Grab
2050668-04	MW-21	Ground Water	05/23/12 15:21	Grab
2050668-05	MW-3A	Ground Water	05/23/12 14:42	Grab
2050668-06	MW-3A	Ground Water	05/23/12 16:00	Grab
2050668-07	MW-8	Ground Water	05/23/12 08:22	Grab
2050668-08	MW-8	Ground Water	05/23/12 16:25	Grab
2050668-09	MW-7A	Ground Water	05/23/12 08:47	Grab
2050668-10	MW-7A	Ground Water	05/23/12 16:46	Grab
2050668-11	MW-5A	Ground Water	05/23/12 09:12	Grab
2050668-12	MW-5A	Ground Water	05/23/12 17:10	Grab
2050668-13	MW-18	Ground Water	05/23/12 13:48	Grab
2050668-14	MW-18	Ground Water	05/23/12 13:50	Grab
2050668-15	MW-18	Ground Water	05/23/12 13:51	Grab
2050668-16	MW-18	Ground Water	05/23/12 14:00	Grab
2050668-17	MW-18	Ground Water	05/23/12 14:05	Grab
2050668-18	MW-18	Ground Water	05/23/12 14:08	Grab
2050668-19	MW-18	Ground Water	05/23/12 14:11	Grab
2050668-20	MW-21	Ground Water	05/23/12 15:22	Grab
2050668-21	MW-21	Ground Water	05/23/12 15:25	Grab
2050668-22	MW-21	Ground Water	05/23/12 15:27	Grab
2050668-23	MW-21	Ground Water	05/23/12 15:37	Grab
2050668-24	MW-21	Ground Water	05/23/12 15:43	Grab
2050668-25	MW-21	Ground Water	05/23/12 15:45	Grab
2050668-26	MW-21	Ground Water	05/23/12 15:48	Grab
2050668-27	MW-3A	Ground Water	05/23/12 16:00	Grab
2050668-28	MW-3A	Ground Water	05/23/12 16:00	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050668 07/10/12 15:22

Sample Number	Sample Description	Matrix	Sampled	Type
2050668-29	MW-8	Ground Water	05/23/12 16:25	Grab
2050668-30	MW-8	Ground Water	05/23/12 16:25	Grab
2050668-31	MW-7A	Ground Water	05/23/12 16:46	Grab
2050668-32	MW-7A	Ground Water	05/23/12 16:46	Grab
2050668-33	MW-5A	Ground Water	05/23/12 17:10	Grab
2050668-34	MW-5A	Ground Water	05/23/12 17:10	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Data

Sample Number 2050668-01
Sample Description MW-18 collected on 05/23/12 13:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**77.41**	0.00	Ft	1.00	05/23/12 13:10	-		BCS	B2E0703

Sample Number 2050668-02
Sample Description MW-18 collected on 05/23/12 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.4**	0.1	pH Units	1.00	05/23/12 13:45	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**3060**	10.0	umhos/cm	1.00	05/23/12 13:45	EPA 9050A		BCS	B2E0703
Temperature	**15.5**	0.0	°C	1.00	05/23/12 13:45	SM 2550B		BCS	B2E0703
Turbidity (Field)	ND	5.0	NTU	1.00	05/23/12 13:45	Field Screen		BCS	B2E0703

Sample Number 2050668-03
Sample Description MW-21 collected on 05/23/12 15:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**10.12**	0.00	Ft	1.00	05/23/12 15:00	-		BCS	B2E0703

Sample Number 2050668-04
Sample Description MW-21 collected on 05/23/12 15:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.9**	0.1	pH Units	1.00	05/23/12 15:21	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**2080**	10.0	umhos/cm	1.00	05/23/12 15:21	EPA 9050A		BCS	B2E0703
Temperature	**13.8**	0.0	°C	1.00	05/23/12 15:21	SM 2550B		BCS	B2E0703
Turbidity (Field)	ND	5.0	NTU	1.00	05/23/12 15:21	Field Screen		BCS	B2E0703

Sample Number 2050668-05
Sample Description MW-3A collected on 05/23/12 14:42

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**6.99**	0.00	Ft	1.00	05/23/12 14:42	-		BCS	B2E0703

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-06
Sample Description MW-3A collected on 05/23/12 16:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.9**	0.1	pH Units	1.00	05/23/12 16:00	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**1020**	10.0	umhos/cm	1.00	05/23/12 16:00	EPA 9050A		BCS	B2E0703
Temperature	**13.8**	0.0	°C	1.00	05/23/12 16:00	SM 2550B		BCS	B2E0703
Turbidity (Field)	**27.2**	5.0	NTU	1.00	05/23/12 16:00	Field Screen		BCS	B2E0703

Sample Number 2050668-07
Sample Description MW-8 collected on 05/23/12 08:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**9.94**	0.00	Ft	1.00	05/23/12 08:22	-		BCS	B2E0703

Sample Number 2050668-08
Sample Description MW-8 collected on 05/23/12 16:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.0**	0.1	pH Units	1.00	05/23/12 16:25	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**77.3**	10.0	umhos/cm	1.00	05/23/12 16:25	EPA 9050A		BCS	B2E0703
Temperature	**15.8**	0.0	°C	1.00	05/23/12 16:25	SM 2550B		BCS	B2E0703
Turbidity (Field)	ND	5.0	NTU	1.00	05/23/12 16:25	Field Screen		BCS	B2E0703

Sample Number 2050668-09
Sample Description MW-7A collected on 05/23/12 08:47

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**10.30**	0.00	Ft	1.00	05/23/12 08:47	-		BCS	B2E0703

Sample Number 2050668-10
Sample Description MW-7A collected on 05/23/12 16:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.8**	0.1	pH Units	1.00	05/23/12 16:46	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**413**	10.0	umhos/cm	1.00	05/23/12 16:46	EPA 9050A		BCS	B2E0703
Temperature	**15.3**	0.0	°C	1.00	05/23/12 16:46	SM 2550B		BCS	B2E0703
Turbidity (Field)	**16.4**	5.0	NTU	1.00	05/23/12 16:46	Field Screen		BCS	B2E0703

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-11
Sample Description MW-5A collected on 05/23/12 09:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**35.99**	0.00	Ft	1.00	05/23/12 09:12	-		BCS	B2E0703

Sample Number 2050668-12
Sample Description MW-5A collected on 05/23/12 17:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.6**	0.1	pH Units	1.00	05/23/12 17:10	EPA 9040C		BCS	B2E0703
Specific Conductance at 25 C	**526**	10.0	umhos/cm	1.00	05/23/12 17:10	EPA 9050A		BCS	B2E0703
Temperature	**18.2**	0.0	°C	1.00	05/23/12 17:10	SM 2550B		BCS	B2E0703
Turbidity (Field)	**62.5**	5.0	NTU	1.00	05/23/12 17:10	Field Screen		BCS	B2E0703

Sample Number 2050668-13
Sample Description MW-18 collected on 05/23/12 13:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.010	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Barium	**0.030**	0.010	mg/L	1.00	05/24/12 18:20	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.002	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Calcium	**200**	10	mg/L	200	05/24/12 17:04	EPA 200.7		KFJ	B2E0702
Chromium	ND	0.004	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Copper	ND	0.010	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Iron	**50**	1.2	mg/L	25.0	05/24/12 17:28	EPA 200.7		KFJ	B2E0702
Lead	ND	0.010	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Magnesium	**62**	1.2	mg/L	25.0	05/24/12 17:28	EPA 200.7		KFJ	B2E0702
Manganese	**12**	0.25	mg/L	25.0	05/24/12 17:28	EPA 200.7		KFJ	B2E0702
Nickel	ND	0.010	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Potassium	**21**	0.10	mg/L	1.00	05/24/12 18:20	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.010	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Silver	ND	0.004	mg/L	2.00	05/24/12 17:49	EPA 200.8	X	LBH	B2E0705
Sodium	**470**	20	mg/L	200	05/24/12 17:04	EPA 200.7		KFJ	B2E0702
Zinc	ND	0.020	mg/L	1.00	05/24/12 18:20	EPA 200.7		KFJ	B2E0702

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-14
Sample Description MW-18 collected on 05/23/12 13:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:15	EPA 245.1		MER	B2F0034

Sample Number 2050668-15
Sample Description MW-18 collected on 05/23/12 13:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**69.4**	10.0	mg/L	10.0	06/14/12 16:43	EPA 300.0	S1	LBW	B2F0400
Fluoride	ND	1.00	mg/L	10.0	06/02/12 00:05	EPA 300.0	X	LBW	B2F0058
Nitrite as N	ND	0.100	mg/L	10.0	05/24/12 15:16	SM 4500NO2B	X	REH	B2E0707
Sulfate	**1260**	250	mg/L	250	06/09/12 00:33	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**1490**	250	mg/L	10.0	05/30/12 15:35	SM 2540C		LDS	B2E0786

Sample Number 2050668-16
Sample Description MW-18 collected on 05/23/12 14:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	**0.005**	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434

Sample Number 2050668-17
Sample Description MW-18 collected on 05/23/12 14:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**2.43**	1.00	mg/L	1.00	06/05/12 01:42	SM 5310C		JLF	B2E0775

Sample Number 2050668-19
Sample Description MW-18 collected on 05/23/12 14:11

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:49	SM 4500NO3H		REH	B2F0016

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-20
Sample Description MW-21 collected on 05/23/12 15:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Barium	**0.034**	0.010	mg/L	1.00	05/24/12 18:16	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Calcium	**300**	5.0	mg/L	100	05/24/12 17:18	EPA 200.7		KFJ	B2E0702
Chromium	ND	0.002	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Copper	ND	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Iron	**0.66**	0.050	mg/L	1.00	05/24/12 18:16	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Magnesium	**27**	1.2	mg/L	25.0	05/24/12 17:30	EPA 200.7		KFJ	B2E0702
Manganese	**0.038**	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Nickel	**0.007**	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Potassium	**19**	0.10	mg/L	1.00	05/24/12 18:16	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 17:01	EPA 200.8		LBH	B2E0705
Sodium	**170**	10	mg/L	100	05/24/12 17:18	EPA 200.7		KFJ	B2E0702
Zinc	ND	0.020	mg/L	1.00	05/24/12 18:16	EPA 200.7		KFJ	B2E0702

Sample Number 2050668-21
Sample Description MW-21 collected on 05/23/12 15:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:18	EPA 245.1		MER	B2F0034

Sample Number 2050668-22
Sample Description MW-21 collected on 05/23/12 15:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**72.0**	10.0	mg/L	10.0	06/14/12 18:49	EPA 300.0		LBW	B2F0400
Fluoride	ND	1.00	mg/L	10.0	06/07/12 08:25	EPA 300.0	X	LBW	B2F0164
Nitrite as N	ND	0.010	mg/L	1.00	05/24/12 12:52	SM 4500NO2B		REH	B2E0707
Sulfate	**980**	200	mg/L	200	06/09/12 01:33	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**1550**	250	mg/L	10.0	05/30/12 15:35	SM 2540C		LDS	B2E0786

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-23
Sample Description MW-21 collected on 05/23/12 15:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434

Sample Number 2050668-24
Sample Description MW-21 collected on 05/23/12 15:43

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**2.20**	1.00	mg/L	1.00	06/05/12 02:04	SM 5310C		JLF	B2E0775

Sample Number 2050668-26
Sample Description MW-21 collected on 05/23/12 15:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:49	SM 4500NO3H		REH	B2F0016

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-27
Sample Description MW-3A collected on 05/23/12 16:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**35.0**	10.0	mg/L	10.0	06/14/12 19:10	EPA 300.0		LBW	B2F0400
Fluoride	ND	0.10	mg/L	1.00	06/01/12 16:43	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 11:00	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.200	mg/L	20.0	05/24/12 15:16	SM 4500NO2B	X	REH	B2E0707
Sulfate	**263**	100	mg/L	100	06/09/12 02:03	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**504**	100	mg/L	4.00	05/30/12 15:35	SM 2540C		LDS	B2E0786
Total Organic Carbon	ND	1.00	mg/L	1.00	06/05/12 02:24	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Barium	**0.058**	0.010	mg/L	1.00	05/24/12 18:06	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Calcium	**130**	2.5	mg/L	50.0	05/29/12 11:42	EPA 200.7		KFJ	B2E0702
Chromium	ND	0.002	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Copper	ND	0.005	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Iron	**57**	1.2	mg/L	25.0	05/24/12 17:33	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Magnesium	**39**	1.2	mg/L	25.0	05/24/12 17:33	EPA 200.7		KFJ	B2E0702
Manganese	**0.57**	0.010	mg/L	1.00	05/24/12 18:06	EPA 200.7		KFJ	B2E0702
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:26	EPA 245.1		MER	B2F0034
Nickel	ND	0.005	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Potassium	**12**	0.10	mg/L	1.00	05/24/12 18:06	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 17:13	EPA 200.8		LBH	B2E0705
Sodium	**41**	2.5	mg/L	25.0	05/24/12 17:33	EPA 200.7		KFJ	B2E0702
Zinc	**0.023**	0.020	mg/L	1.00	05/24/12 18:06	EPA 200.7		KFJ	B2E0702

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-29
Sample Description MW-8 collected on 05/23/12 16:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.24**	1.00	mg/L	1.00	06/15/12 16:26	EPA 300.0		LBW	B2F0401
Fluoride	**0.15**	0.10	mg/L	1.00	06/07/12 08:55	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 11:00	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/24/12 12:52	SM 4500NO2B		REH	B2E0707
Sulfate	**13.3**	2.00	mg/L	2.00	06/08/12 21:03	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**69.0**	25.0	mg/L	1.00	05/30/12 15:35	SM 2540C		LDS	B2E0786
Total Organic Carbon	ND	1.00	mg/L	1.00	06/05/12 02:44	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Barium	ND	0.010	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Calcium	**5.1**	0.25	mg/L	5.00	05/24/12 17:47	EPA 200.7		KFJ	B2E0702
Chromium	ND	0.002	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Copper	ND	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Iron	**1.4**	0.050	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Magnesium	**1.6**	0.050	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702
Manganese	**0.050**	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:29	EPA 245.1		MER	B2F0034
Nickel	ND	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Potassium	**2.8**	0.10	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 16:55	EPA 200.8		LBH	B2E0705
Sodium	**2.9**	0.10	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702
Zinc	ND	0.020	mg/L	1.00	05/24/12 17:58	EPA 200.7		KFJ	B2E0702

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-31
Sample Description MW-7A collected on 05/23/12 16:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**84.3**	20.0	mg/L	20.0	06/08/12 04:33	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/07/12 09:55	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 11:00	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/24/12 12:57	SM 4500NO2B		REH	B2E0707
Sulfate	**16.3**	5.00	mg/L	5.00	06/09/12 02:33	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**286**	50.0	mg/L	2.00	05/30/12 15:35	SM 2540C		LDS	B2E0786
Total Organic Carbon	ND	1.00	mg/L	1.00	06/05/12 03:03	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Barium	**0.11**	0.010	mg/L	1.00	05/24/12 18:04	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Calcium	**35**	0.50	mg/L	10.0	05/24/12 17:38	EPA 200.7		KFJ	B2E0702
Chromium	**0.002**	0.002	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Copper	**0.005**	0.005	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Iron	**0.88**	0.050	mg/L	1.00	05/24/12 18:04	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Magnesium	**24**	0.50	mg/L	10.0	05/24/12 17:38	EPA 200.7		KFJ	B2E0702
Manganese	**0.78**	0.010	mg/L	1.00	05/24/12 18:04	EPA 200.7		KFJ	B2E0702
Mercury	**0.0012**	0.00020	mg/L	1.00	06/04/12 11:31	EPA 245.1		MER	B2F0034
Nickel	**0.008**	0.005	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Potassium	**4.7**	0.10	mg/L	1.00	05/24/12 18:04	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 17:19	EPA 200.8		LBH	B2E0705
Sodium	**18**	1.0	mg/L	10.0	05/24/12 17:38	EPA 200.7		KFJ	B2E0702
Zinc	**0.033**	0.020	mg/L	1.00	05/24/12 18:04	EPA 200.7		KFJ	B2E0702

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-33
Sample Description MW-5A collected on 05/23/12 17:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**115**	20.0	mg/L	20.0	06/08/12 05:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.50	mg/L	5.00	06/07/12 09:25	EPA 300.0	X	LBW	B2F0164
Nitrate-Nitrite as N	**2.63**	0.20	mg/L	2.00	06/01/12 11:29	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/24/12 12:58	SM 4500NO2B		REH	B2E0707
Sulfate	**18.1**	5.00	mg/L	5.00	06/07/12 09:25	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**384**	50.0	mg/L	2.00	05/30/12 15:35	SM 2540C		LDS	B2E0786
Total Organic Carbon	**1.39**	1.00	mg/L	1.00	06/13/12 10:32	SM 5310C		JLF	B2F0248
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Barium	**0.12**	0.010	mg/L	1.00	05/24/12 18:01	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Calcium	**24**	0.50	mg/L	10.0	05/29/12 11:48	EPA 200.7		KFJ	B2E0702
Chromium	ND	0.002	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Copper	**0.007**	0.005	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Iron	**0.59**	0.050	mg/L	1.00	05/24/12 18:01	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Magnesium	**24**	0.50	mg/L	10.0	05/29/12 11:48	EPA 200.7		KFJ	B2E0702
Manganese	**16**	0.050	mg/L	5.00	05/24/12 17:52	EPA 200.7		KFJ	B2E0702
Mercury	**0.00022**	0.00020	mg/L	1.00	06/04/12 11:40	EPA 245.1		MER	B2F0034
Nickel	**0.007**	0.005	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Potassium	**4.8**	0.10	mg/L	1.00	05/24/12 18:01	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 17:25	EPA 200.8		LBH	B2E0705
Sodium	**19**	0.50	mg/L	5.00	05/24/12 17:52	EPA 200.7		KFJ	B2E0702
Zinc	ND	0.020	mg/L	1.00	05/24/12 18:01	EPA 200.7		KFJ	B2E0702

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Subcontracted Analyses

Sample Number 2050668-18
Sample Description MW-18 collected on 05/23/12 14:08

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050668-25
Sample Description MW-21 collected on 05/23/12 15:45

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050668-28
Sample Description MW-3A collected on 05/23/12 16:00

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050668-30
Sample Description MW-8 collected on 05/23/12 16:25

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050668-32
Sample Description MW-7A collected on 05/23/12 16:46

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Number 2050668-34
Sample Description MW-5A collected on 05/23/12 17:10

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0707 - General Prep - Wet Chem										
Blank (B2E0707-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B2E0707-BS1)										
Nitrite as N	0.509	0.010	mg/L	0.500		102	90-110			
Duplicate (B2E0707-DUP1)	**Source: 2050668-29**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Matrix Spike (B2E0707-MS1)	**Source: 2050668-29**									
Nitrite as N	0.259	0.010	mg/L	0.250	ND	103	80-120			
Batch B2E0775 - General Prep - Wet Chem										
Blank (B2E0775-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B2E0775-BS1)										
Total Organic Carbon	3.96		mg/L	4.00		99	90-110			
Matrix Spike (B2E0775-MS1)	**Source: 2050678-07**									
Total Organic Carbon	3.87		mg/L	3.75	ND	96	80-115			
Matrix Spike (B2E0775-MS2)	**Source: 2050651-56**									
Total Organic Carbon	4.44		mg/L	3.75	ND	96	80-115			
Matrix Spike Dup (B2E0775-MSD1)	**Source: 2050678-07**									
Total Organic Carbon	3.83		mg/L	3.75	ND	94	80-115	1	15	
Matrix Spike Dup (B2E0775-MSD2)	**Source: 2050651-56**									
Total Organic Carbon	4.42		mg/L	3.75	ND	96	80-115	0.6	15	
Batch B2E0786 - General Prep - Solids										
Blank (B2E0786-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0786 - General Prep - Solids										
LCS (B2E0786-BS1)										
Total Dissolved Solids	518	25.0	mg/L	517		100	80-120			
Duplicate (B2E0786-DUP1)	**Source: 2050668-29**									
Total Dissolved Solids	70.0	25.0	mg/L		69.0			1	15	
Batch B2F0016 - General Prep - Wet Chem										
Blank (B2F0016-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B2F0016-BS1)										
Nitrate-Nitrite as N	1.96	0.10	mg/L	2.00		98	90-110			
Duplicate (B2F0016-DUP1)	**Source: 2050651-34**									
Nitrate-Nitrite as N	0.10	0.10	mg/L		ND			8	25	
Duplicate (B2F0016-DUP2)	**Source: 2050668-26**									
Nitrate-Nitrite as N	ND	0.10	mg/L		ND				25	
Matrix Spike (B2F0016-MS1)	**Source: 2050651-34**									
Nitrate-Nitrite as N	1.27	0.10	mg/L	1.25	ND	94	80-120			
Matrix Spike (B2F0016-MS2)	**Source: 2050668-26**									
Nitrate-Nitrite as N	1.16	0.10	mg/L	1.25	ND	88	80-120			
Batch B2F0058 - General Prep - IC										
Blank (B2F0058-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B2F0058-BS1)										
Fluoride	0.48	0.10	mg/L	0.500		96	90-110			

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LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050668 07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0058 - General Prep - IC										
Duplicate (B2F0058-DUP1)	**Source: 2050604-11**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B2F0058-DUP2)	**Source: 2050604-18**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B2F0058-MS1)	**Source: 2050604-11**									
Fluoride	0.30	0.10	mg/L	0.300	ND	99	90-110			
Matrix Spike (B2F0058-MS2)	**Source: 2050604-18**									
Fluoride	0.34	0.10	mg/L	0.300	ND	95	90-110			
Batch B2F0164 - General Prep - IC										
Blank (B2F0164-BLK1)										
Fluoride	ND	0.10	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0164-BS1)										
Fluoride	0.50	0.10	mg/L	0.500		100	90-110			
Sulfate	4.89	1.00	mg/L	5.00		98	90-110			
Duplicate (B2F0164-DUP1)	**Source: 2050605-11**									
Fluoride	0.10	0.10	mg/L		0.10			0	20	
Sulfate	3.38	1.00	mg/L		3.39			0.3	20	
Duplicate (B2F0164-DUP2)	**Source: 2050651-25**									
Fluoride	ND	0.10	mg/L		ND				20	
Sulfate	ND	1.00	mg/L		ND				20	
Matrix Spike (B2F0164-MS1)	**Source: 2050605-11**									
Fluoride	0.38	0.10	mg/L	0.300	0.10	93	90-110			
Sulfate	6.38	1.00	mg/L	3.00	3.39	100	90-110			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0164 - General Prep - IC										
Matrix Spike (B2F0164-MS2)	**Source: 2050651-25**									
Fluoride	0.37	0.10	mg/L	0.300	ND	116	90-110			S1
Sulfate	3.65	1.00	mg/L	3.00	ND	93	90-110			
Batch B2F0212 - General Prep - IC										
Blank (B2F0212-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0212-BS1)										
Chloride	4.68	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0212-DUP1)	**Source: 2050604-11**									
Chloride	6.68	1.00	mg/L		6.66			0.3	20	
Duplicate (B2F0212-DUP2)	**Source: 2050605-21**									
Chloride	11.3	2.00	mg/L		11.5			2	20	
Matrix Spike (B2F0212-MS1)	**Source: 2050604-11**									
Chloride	9.31	1.00	mg/L	3.00	6.66	88	90-110			S1
Matrix Spike (B2F0212-MS2)	**Source: 2050605-21**									
Chloride	17.5	2.00	mg/L	6.00	11.5	100	90-110			
Batch B2F0213 - General Prep - IC										
Blank (B2F0213-BLK1)										
Sulfate	ND	1.00	mg/L							
LCS (B2F0213-BS1)										
Sulfate	4.83	1.00	mg/L	5.00		97	90-110			
Duplicate (B2F0213-DUP1)	**Source: 2050651-30**									
Sulfate	15.3	2.00	mg/L		15.7			2	20	

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0213 - General Prep - IC										
Duplicate (B2F0213-DUP2)	**Source: 2050651-60**									
Sulfate	639	250	mg/L		640			0.2	20	
Matrix Spike (B2F0213-MS1)	**Source: 2050651-30**									
Sulfate	21.6	2.00	mg/L	6.00	15.7	98	90-110			
Matrix Spike (B2F0213-MS2)	**Source: 2050651-60**									
Sulfate	1330	250	mg/L	750	640	92	90-110			
Batch B2F0248 - General Prep - Wet Chem										
Blank (B2F0248-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B2F0248-BS1)										
Total Organic Carbon	5.26		mg/L	5.00		105	90-110			
Matrix Spike (B2F0248-MS1)	**Source: 2050686-07**									
Total Organic Carbon	5.90		mg/L	3.75	1.93	106	80-115			
Matrix Spike Dup (B2F0248-MSD1)	**Source: 2050686-07**									
Total Organic Carbon	6.07		mg/L	3.75	1.93	110	80-115	3	15	
Batch B2F0277 - General Prep - Wet Chem										
Blank (B2F0277-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2F0277-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
Duplicate (B2F0277-DUP1)	**Source: 2050687-06**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0277 - General Prep - Wet Chem										
Matrix Spike (B2F0277-MS1) **Source: 2050687-06**										
Total Recoverable Phenols	0.024	0.005	mg/L	0.0400	ND	61	75-125			S1
Batch B2F0400 - General Prep - IC										
Blank (B2F0400-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0400-BS1)										
Chloride	4.72	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0400-DUP1) **Source: 2050668-15**										
Chloride	67.4	10.0	mg/L		69.4			3	20	
Matrix Spike (B2F0400-MS1) **Source: 2050668-15**										
Chloride	95.8	10.0	mg/L	30.0	69.4	88	90-110			S1
Batch B2F0401 - General Prep - IC										
Blank (B2F0401-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0401-BS1)										
Chloride	4.84	1.00	mg/L	5.00		97	90-110			
Duplicate (B2F0401-DUP1) **Source: 2050651-45**										
Chloride	228	50.0	mg/L		253			10	20	
Matrix Spike (B2F0401-MS1) **Source: 2050651-45**										
Chloride	377	50.0	mg/L	150	253	83	90-110			S1
Batch B2F0434 - General Prep - Wet Chem										
Blank (B2F0434-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0434 - General Prep - Wet Chem										
LCS (B2F0434-BS1)										
Total Recoverable Phenols	0.040	0.005	mg/L	0.0400		100	90-110			
Duplicate (B2F0434-DUP1)	**Source: 2050651-61**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0434-MS1)	**Source: 2050668-29**									
Total Recoverable Phenols	0.037	0.005	mg/L	0.0400	ND	92	75-125			

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0702 - SM 3030C - ICP										
Blank (B2E0702-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.10	mg/L							
Sodium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B2E0702-BS1)										
Barium	0.52	0.010	mg/L	0.500		105	85-115			
Calcium	0.53	0.050	mg/L	0.500		106	85-115			
Iron	0.51	0.050	mg/L	0.500		103	85-115			
Magnesium	0.52	0.050	mg/L	0.500		103	85-115			
Manganese	0.52	0.010	mg/L	0.500		103	85-115			
Potassium	5.2	0.10	mg/L	5.00		104	85-115			
Sodium	0.50	0.10	mg/L	0.500		99	85-115			
Zinc	0.52	0.020	mg/L	0.500		103	85-115			
Duplicate (B2E0702-DUP1)	**Source: 2050651-32**									
Barium	0.073	0.010	mg/L		0.073			0.5	20	
Calcium	2.6	0.050	mg/L		2.6			2	20	
Iron	0.93	0.050	mg/L		0.90			4	20	
Magnesium	1.2	0.050	mg/L		1.2			0.5	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.4	0.10	mg/L		1.4			0.3	20	
Sodium	2.3	0.10	mg/L		2.3			0.3	20	
Zinc	0.029	0.020	mg/L		0.025			13	20	
Matrix Spike (B2E0702-MS1)	**Source: 2050651-32**									
Barium	0.58	0.010	mg/L	0.500	0.073	102	70-130			
Calcium	3.0	0.050	mg/L	0.500	2.6	73	70-130			
Iron	1.3	0.050	mg/L	0.500	0.90	76	70-130			
Magnesium	1.6	0.050	mg/L	0.500	1.2	93	70-130			
Manganese	0.52	0.010	mg/L	0.500	ND	101	70-130			
Potassium	6.5	0.10	mg/L	5.00	1.4	101	70-130			
Sodium	2.8	0.10	mg/L	0.500	2.3	88	70-130			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0702 - SM 3030C - ICP										
Matrix Spike (B2E0702-MS1)	**Source: 2050651-32**									
Zinc	0.51	0.020	mg/L	0.500	0.025	96	70-130			
Post Spike (B2E0702-PS1)	**Source: 2050651-32**									
Barium	0.58		mg/L	0.500	0.073	102	85-115			
Calcium	3.2		mg/L	0.500	2.6	108	85-115			
Iron	1.4		mg/L	0.500	0.90	104	85-115			
Magnesium	1.7		mg/L	0.500	1.2	101	85-115			
Manganese	0.52		mg/L	0.500	ND	103	85-115			
Potassium	6.5		mg/L	5.00	1.4	102	85-115			
Sodium	2.8		mg/L	0.500	2.3	91	85-115			
Zinc	0.54		mg/L	0.500	0.025	102	85-115			
Batch B2E0705 - SM 3030C - ICP-MS										
Blank (B2E0705-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.001	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B2E0705-BS1)										
Arsenic	0.021	0.005	mg/L	0.0200		104	85-115			
Cadmium	0.021	0.001	mg/L	0.0200		103	85-115			
Chromium	0.021	0.002	mg/L	0.0200		103	85-115			
Copper	0.022	0.005	mg/L	0.0200		111	85-115			
Lead	0.020	0.005	mg/L	0.0200		101	85-115			
Manganese	0.020	0.005	mg/L	0.0200		100	85-115			
Nickel	0.021	0.005	mg/L	0.0200		106	85-115			
Selenium	0.020	0.005	mg/L	0.0200		100	85-115			
Silver	0.020	0.002	mg/L	0.0200		102	85-115			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0705 - SM 3030C - ICP-MS										
Matrix Spike (B2E0705-MS1)	**Source: 2050651-34**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Cadmium	0.022	0.001	mg/L	0.0200	ND	108	70-130			
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130			
Copper	0.022	0.005	mg/L	0.0200	ND	106	70-130			
Lead	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Manganese	0.025	0.005	mg/L	0.0200	0.005	100	70-130			
Nickel	0.022	0.005	mg/L	0.0200	ND	105	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Silver	0.021	0.002	mg/L	0.0200	ND	105	70-130			
Matrix Spike Dup (B2E0705-MSD1)	**Source: 2050651-34**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	101	70-130	0.3	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	106	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130	0.1	20	
Copper	0.021	0.005	mg/L	0.0200	ND	105	70-130	0.9	20	
Lead	0.021	0.005	mg/L	0.0200	ND	103	70-130	2.10	20	
Manganese	0.026	0.005	mg/L	0.0200	0.005	105	70-130	4	20	
Nickel	0.022	0.005	mg/L	0.0200	ND	105	70-130	0.2	20	
Selenium	0.021	0.005	mg/L	0.0200	ND	101	70-130	2	20	
Silver	0.021	0.002	mg/L	0.0200	ND	105	70-130	0.6	20	
Post Spike (B2E0705-PS1)	**Source: 2050651-34**									
Arsenic	0.025		mg/L	0.0250	ND	99	75-125			
Cadmium	0.025		mg/L	0.0250	ND	101	75-125			
Chromium	0.027		mg/L	0.0250	ND	102	75-125			
Copper	0.026		mg/L	0.0250	ND	101	75-125			
Lead	0.025		mg/L	0.0250	ND	98.6	75-125			
Manganese	0.030		mg/L	0.0250	0.005	100	75-125			
Nickel	0.026		mg/L	0.0250	ND	100	75-125			
Selenium	0.025		mg/L	0.0250	ND	99	75-125			
Silver	0.025		mg/L	0.0250	ND	100	75-125			
Batch B2F0034 - EPA 245.1										
Blank (B2F0034-BLK1)										
Mercury	ND	0.00020	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0034 - EPA 245.1										
LCS (B2F0034-BS1)										
Mercury	0.0020	0.00020	mg/L	0.00200		100	85-115			
Duplicate (B2F0034-DUP1)	**Source: 2050668-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B2F0034-DUP2)	**Source: 2050686-04**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B2F0034-MS1)	**Source: 2050668-21**									
Mercury	0.0041	0.00020	mg/L	0.00500	ND	82	70-130			
Matrix Spike (B2F0034-MS2)	**Source: 2050686-04**									
Mercury	0.0041	0.00020	mg/L	0.00500	ND	82	70-130			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 245.1 Mercury Digestion				
EPA 245.1	B2F0034	2050668-14	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050668-21	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050668-27	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050668-29	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050668-31	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050668-33	06/01/2012 17:02	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B2E0702	2050668-13	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0702	2050668-20	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0702	2050668-27	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0702	2050668-29	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0702	2050668-31	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0702	2050668-33	05/24/2012 11:07	KFJ
SM 3030C ICP-MS Metal Digestion				
SM 3030C - ICP-MS	B2E0705	2050668-13	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0705	2050668-20	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0705	2050668-27	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0705	2050668-29	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0705	2050668-31	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0705	2050668-33	05/24/2012 14:45	LBH

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050668
Canton, NC 28716		Reported:	07/10/12 15:22

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
X	Result subject to sample matrix interference. Reported detection limit has been adjusted where applicable.

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ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050608

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-154

Filtered (Yes/No)	N								
Cooled (Yes/No)	Y								
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL		
Sample Type (Grab/Composite)	G								
Sample Source (WW, GW, DW, Other)	GW								
Sample Source Chlorinated (Yes/No)	N								
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA		NA		MCS
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2		5-24-12
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Total Metals*	Total Hg	SO_4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX	NO_3	Total Number of Containers	COMMENTS
-13 (5/23, 1348, MW-18)	1							1	*As, Ba, Cd, Ca, Cr, Co, Fe, Pb, Mg, Mn, Ni,
-14 (1350)		1						1	K, Se, Ag, Na, Zn
-15 (1351)			1					1	
-16 (1400)				1				1	
-17 (1405)					1			1	
-18 (1408)						1		1	
-19 (1411)							1	1	Field data collected

Preserved (Code): A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I-Phosphoric Acid

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① Bradley [illegible]	5/23/2012 1745	② Secure Area Shipper Name & #	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [illegible] Shipper Name & #	5-24-12 0715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 1.6 Unit Fraser °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050668

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-159

Filtered (Yes/No)	N								
Cooled (Yes/No)	Y								
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL		
Sample Type (Grab/Composite)	G								
Sample Source (WW, GW, DW, Other)	GW								
Sample Source Chlorinated (Yes/No)	N								
Lab Receipt Cl2 Check	NA	NA	NA	NA	NA		NA		
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2		
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Total Metals*	Total Hg	SO4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX ⊗	NO3	Total No. of Containers	COMMENTS
20	1							1	* See page 1
21		1						1	
22			1					1	
23				1				1	
24					1			1	
25						1		1	
26							1	1	Field data collected

A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- Phosphoric Acid

Rogers & Callcott Lab No.	Yr.12 Date	Time	Sample Description
20	5/23	1522	MW-21
21		1525	
22		1527	
23		1527	
24		1543	
25		1545	
26		1548	

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1745	② Secure Area Shipper Name & #	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [signature] Shipper Name & #	5.24.12 0715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt -1.6 Wet Ice °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050668

Client Name: BRC
Address: Cantus, NC
Report To:
Telephone No. FAX No.
PO No. Project No. 2004-159

Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	P	P	P	G	P	G	P	
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL	
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl, Check	NA	NA	NA	NA	NA		NA	MCA
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2	5-24-12
Preserved (Code)	B	B	A	C	I	B	C	

A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- Phosphoric Acid

Rogers & Callcott Lab No.	Yr.13 Date	Time	Sample Description	Total Number of Containers	Total Metals*	Total Hg	SO4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX (*)	NO3	COMMENTS:
-27	5/23	1600	MW-3A	6	1	1	1	1	1		1	* See page 1
-28		1600	⊥	1						1		
-29		1625	MW-8	6	1	1	1	1	1		1	
KRU 5.24 -~~20~~ 30		1625	⊥	1						1		
-31		1646	MW-7A	6	1	1	1	1	1		1	
~~-32~~ -32		1645	⊥	1						1		
KRU 5.24 ~~-33~~ -33		1710	MW-5A	6	1	1	1	1	1		1	Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1745	② Secure Area Shipper Name & #	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [signature] Shipper Name & #	5.24.12 0715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
(*) subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -1.6 Not Frozen °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050668

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2009-155

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX							
Filtered (Yes/No)					N							
Cooled (Yes/No)					Y							
Container Type (P/G)					G							
Container Volume					16 oz							
Sample Type (Grab/Composite)					G							
Sample Source (WW, GW, DW, Other)					GW							
Sample Source Chlorinated (Yes/No)					N							
Lab Receipt Cl, Check					/							
Lab Receipt pH Check					/							
Preserved (Code)					B							
-34	5/23	1710	MW-5A	1	1							

Preserved (Code): A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- ____

Lab Receipt pH Check: mcd 5-24-12

COMMENTS: Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① Brady Call	5/23/2012 1945	② Secure Area Shipper Name & #	
Relinquished by (Sig.) ③ Secure Area		Received by (Sig.) ④ [illegible] Shipper Name & #	5.24.12 0715
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
⊛ subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.6 Not From °C

Form Revised July 2008

R/C COC FORM

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-1B

☐ Development
☒ Purging

Date: 5/23/2012 Field Personnel: BCS

Site Name/Location: ZRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 77.41 @ 1310
Total Depth of Well (b): 112.65 on 5/23/2012
Length of Water Column in Well (b-a): 35.24
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		3000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	1320	NA	200	77.41	0.0	6.39	17.2	2684	NA	NA	NA	2	5.68	
	1335	1	200	77.56	1000	6.38	16.2	2971				2	5.04	
	1340	2	200	77.79	2000	6.37	15.4	3093				2	<5.0	
	1345	3	200	77.91	3000	6.43	15.5	3055				2	<5.0	

5/23/2012

Weather Conditions/~Temp: Heavy Rain / 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals- ~~1348~~ 1348 BCS 5/23/12 ; Hg- 1350 ; Cl, Fl, TDS, NO_2, SO_4 - 1351 ; Phenols- 1400 ; TOC- 1405 ; TOX- 1408 ; NO_3- 1411

Comments

Reviewed by: Date:

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-21

☐ Development
☒ Purging

Date: 5/23/2012 Field Personnel: BCS

Site Name/Location: BRPC

BCS 5/23/12

Page 22 of 6

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 10.12 @ 1500
Total Depth of Well (b): 28.76 on 5/23/2012
Length of Water Column in Well (b-a): 18.64
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / (mL) Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		3000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	1506	NA	200	10.12	0.0	6.94	14.5	2078	NA	NA	NA	1	5.16	
	1511	1	200	10.36	1000	6.93	14.1	2067				1	<5.0	
	1516	2	200	10.44	2000	6.95	13.9	2071				1	<5.0	
	1521	3	200	10.56	3000	6.94	13.8	2080				1	<5.0	

Bradley Callcott 5/23/2012

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Rain 160's °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals-1522; Hg-1525; Cl, Fl, TDS, NO_2, SO_4-1527; Phenol-1537; TOC-1543; TOX-1545; NO_3-1548

Comments

Reviewed by: Date:

Revised 2/3/09

Well Number: MW-3A

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/23/2012

Field Personnel: BLS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ _____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 6.99 @ 1442
Total Depth of Well (b): 20.41 on 5/23/2012
Length of Water Column in Well (b-a): 13.42
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	2.2	
3 Casing Vol	6.6	2.2

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	1449	NA	NA	6.99	0.0	6.79	13.5	1116	NA	NA	NA	1	68.1	
↓	1451	1	↓	Dry	2.2	6.82	13.2	1113	↓	↓	↓	1	177	Dry
↓	1600	2		NA	Sample	6.93	12.8	1025				1	27.2	Sample

Dmitry Gilin 5/23/2012

Weather Conditions/~Temp: Heavy Rain 16.0; °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low) Moderate/ High)

Sample Clarity: Slightly Turbid

Precipitate: None

Fe^{+2} mg/L= NA

Sample Collection Time 1600

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-8 ☐ Development ☒ Purging

Date: 5/23/2012 Field Personnel: DCS

Site Name/Location: ZRPC

For Low Flow Sampling: Page ~~NA~~

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☐ _____

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 9.94 @ 0822

Total Depth of Well (b): 29.21 on 5/23/2012

Length of Water Column in Well (b-a): 19.27

Well Casing Diameter (inches): 2"

Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	3.1	
3 Casing Vol	9.3	~4.5

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	0829	NA	NA	9.94	0.0	6.75	14.4	95.4	NA	NA	NA	1	22.0	
↓	0833	1	↓	NA	3.1	6.65	14.0	92.3	↓	↓	↓	1	207	
↓	0837	2	↓	Dry	4.5	6.43	DCS 5/23/12 ~~14~~ 13.8	85.0	↓	↓	↓	1	304	Dry
↓	1625	3	↓	NA	Sample	7.00	15.8	77.3	↓	↓	↓	1	<5.0	Sample

[signature] 5/23/2012

Weather Conditions/~Temp: Overcast / 60s °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low)/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1625

Comments _____

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-7A

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/23/2012 Field Personnel: BCS

Page 5 of 6

Site Name/Location: BRPC

For Low Flow Sampling: Page ~~NA~~

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 10.30 @ 0847
Total Depth of Well (b): 26.39 on 5/23/2012
Length of Water Column in Well (b-a): 16.09
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: ~~NA~~

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	2.6	
3 Casing Vol	7.8	~4.75

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	0855	NA	NA	10.30	0.0	5.57	14.0	528.7	NA	NA	NA	1	12.1	
	0857	1		NA	2.6	5.62	13.7	485.8				1	601	
	0901	2		Dry	4.75	5.61	13.6	446.1				1	899	Dry
	1646	3		NA	Sample	5.80	15.3	412.8				1	16.4	Sample

5/23/2012

Weather Conditions/~Temp: Overcast / 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Slightly Turbid Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1646

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-5A

☐ Development
☒ Purging

Date: 5/23/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page ~~of~~

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 35.99 @ 0912
Total Depth of Well (b): 44.51 on 5/23/2012
Length of Water Column in Well (b-a): 8.52
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.4	
3 Casing Vol	4.2	2.4

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	0917	NA	NA	35.99	0.0	5.61	17.0	839	NA	NA	NA	1	127	
	0919	1		Dry	1.4	5.57	17.1	634				1	3.4	Dry
	1710	2		NA	Sample	~~5.79~~ 5.61 BCS 5/23/12	18.2	526.1				1	62.5	Sample

Bradley C. Sill 5/23/2012

Weather Conditions/~Temp: Overcast 160's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Turbid Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1710

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRPC **Date:** 5/23/2012

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 3004m 08L100071

Time: 0650 Analyst: BCS Cell Constant 4.99

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P201774	9.58		8.8	20.0
P201775	98.8		98.7	20.1
P201776	1000		967	20.1
P200978	SSS conc:	447	437.8	20.1

Temperature compensation for conductivity meter : Ø

Note: Temperature is recorded from the conductivity meter for reporting purposes.

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 10F

Time: 0650 Analyst: BCS Slope: 98.9

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201165	4.0		3.97
P201752	7.0		6.99
P201164	10.0		10.00
P201889	SSS conc:	10.0	10.01

Temperature compensation for pH meter : Ø

Note: Temperature is recorded from the conductivity meter for reporting purposes.

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/2/2012

Time: 0649 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
P200097	4.45	4.31
P200098	48.7	45.5
P200099	466	475

Reviewed by: _____ Date: _____

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC **Date:** 5/23/2012

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4M 08L100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1042	BCS	98.8	99.7 @ 19.5 °C
1722	BCS	1000	967 @ 20.3 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 LOF

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1042	BCS	7.0	7.02
1722	BCS	4.0	3.99

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1042	BCS	48.7	50.0
1722	BCS	4.45	4.66

Field Duplicate

Well ID: MW-13

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1038	BCS	2115	6.70	<5.0	15.3

Note: Refer to daily calibration log for instrument calibration and chemical inventory information / documentation.

Reviewed by: _____ Date: _____

Revised 03/18/09

ROGERS & CALLCOTT
LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

Sample Receipt Verification

Client: BLUERIDGE PAPER CO Date Received: 5.24.12 Work Order: 20506668

Carrier Name: Client FedEx UPS US Mail Courier (Field Services) Other: _____

Tracking Number: _____

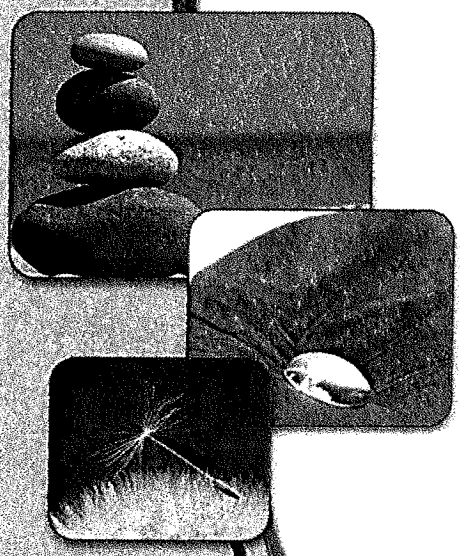
Receipt Criteria	Yes	No	NA	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?			X	
Samples cooled? Temp at receipt recorded on COC; Temp measured with IR thermometer - SN: 97050067	X			(Ice) Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			

If in-house preservation used – record Lot #		
	HCL	
	H_2SO_4	
	HNO_3	
	H_3PO_4	
	NaOH	
	Other	

Comments:

Completed by: KRU

Revised April 2012



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWE2898
Client Project/Site: [none]
Client Project Description: TOX, SC

For:
Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606

Attn: Susan Gunter

Authorized for release by:
7/3/2012 12:27:12 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2898-01	2050668-18 MW-18	Water	05/23/12 14:08	05/25/12 08:30
NWE2898-02	2050668-25 MW-21	Water	05/23/12 15:45	05/25/12 08:30
NWE2898-03	2050668-28 MW-3A	Water	05/23/12 16:00	05/25/12 08:30
NWE2898-04	2050668-30 MW-8	Water	05/23/12 16:25	05/25/12 08:30
NWE2898-05	2050668-32 MW-7A	Water	05/23/12 16:45	05/25/12 08:30
NWE2898-06	2050668-34 MW-5A	Water	05/23/12 17:10	05/25/12 08:30

Definitions/Glossary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Qualifiers

WetChem

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
S7	Sample breakthrough to 2nd section is > 10%. Results may be biased low.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-18 MW-18
Date Collected: 05/23/12 14:08
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2898-01
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/20/12 14:47	06/20/12 14:47	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-25 MW-21
Date Collected: 05/23/12 15:45
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2898-02
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/20/12 15:13	06/20/12 15:13	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-28 MW-3A

Lab Sample ID: NWE2898-03

Date Collected: 05/23/12 16:00
Date Received: 05/25/12 08:30

Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.242	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-30 MW-8
Date Collected: 05/23/12 16:25
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2898-04
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-32 MW-7A
Date Collected: 05/23/12 16:45
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2898-05
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.179	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-34 MW-5A
Date Collected: 05/23/12 17:10
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2898-06
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.312	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 12F1361-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F1361 — **Prep Batch: 12F1361_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Lab Sample ID: 12F1361-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F1361 — **Prep Batch: 12F1361_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.267		mg/L		107	90 - 120

Lab Sample ID: 12F1361-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F1361 — **Prep Batch: 12F1361_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.260		mg/L		104	90 - 120	2	20

Lab Sample ID: 12F1361-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F1361 — **Prep Batch: 12F1361_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.0233		0.100	0.114		mg/L		91	70 - 130

Lab Sample ID: 12F1361-MS2 — **Client Sample ID: 2050668-30 MW-8**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F1361 — **Prep Batch: 12F1361_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.305	M7 S7	mg/L		305	70 - 130

Lab Sample ID: 12F3571-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F3571 — **Prep Batch: 12F3571_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/26/12 07:30	06/26/12 07:30	1.00

Lab Sample ID: 12F3571-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F3571 — **Prep Batch: 12F3571_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.247		mg/L		99	90 - 120

Lab Sample ID: 12F3571-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total**
Analysis Batch: 12F3571 — **Prep Batch: 12F3571_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.245		mg/L		98	90 - 120	0.9	20

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Method: SW846 9020B - General Chemistry Parameters (Continued)

Lab Sample ID: 12F3571-MS1
Matrix: Water
Analysis Batch: 12F3571

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F3571_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.0601	M8	mg/L		60	70 - 130

Lab Sample ID: 12F3571-MS2
Matrix: Water
Analysis Batch: 12F3571

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F3571_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.0698		mg/L		70	70 - 130

QC Association Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

WetChem

Analysis Batch: 12F1361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	SW846 9020B	12F1361_P
12F1361-BS1	Lab Control Sample	Total	Water	SW846 9020B	12F1361_P
12F1361-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12F1361_P
12F1361-MS1	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
12F1361-MS2	2050668-30 MW-8	Total	Water	SW846 9020B	12F1361_P
NWE2898-03	2050668-28 MW-3A	Total	Water	SW846 9020B	12F1361_P
NWE2898-04	2050668-30 MW-8	Total	Water	SW846 9020B	12F1361_P
NWE2898-05	2050668-32 MW-7A	Total	Water	SW846 9020B	12F1361_P
NWE2898-06	2050668-34 MW-5A	Total	Water	SW846 9020B	12F1361_P

Analysis Batch: 12F3571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F3571-BLK1	Method Blank	Total	Water	SW846 9020B	12F3571_P
12F3571-BS1	Lab Control Sample	Total	Water	SW846 9020B	12F3571_P
12F3571-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12F3571_P
12F3571-MS1	Matrix Spike	Total	Water	SW846 9020B	12F3571_P
12F3571-MS2	Matrix Spike	Total	Water	SW846 9020B	12F3571_P
NWE2898-01	2050668-18 MW-18	Total	Water	SW846 9020B	12F3571_P
NWE2898-02	2050668-25 MW-21	Total	Water	SW846 9020B	12F3571_P

Prep Batch: 12F1361_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	NO PREP	
12F1361-BS1	Lab Control Sample	Total	Water	NO PREP	
12F1361-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12F1361-MS1	Matrix Spike	Total	Water	NO PREP	
12F1361-MS2	2050668-30 MW-8	Total	Water	NO PREP	
NWE2898-03	2050668-28 MW-3A	Total	Water	NO PREP	
NWE2898-04	2050668-30 MW-8	Total	Water	NO PREP	
NWE2898-05	2050668-32 MW-7A	Total	Water	NO PREP	
NWE2898-06	2050668-34 MW-5A	Total	Water	NO PREP	

Prep Batch: 12F3571_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F3571-BLK1	Method Blank	Total	Water	NO PREP	
12F3571-BS1	Lab Control Sample	Total	Water	NO PREP	
12F3571-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12F3571-MS1	Matrix Spike	Total	Water	NO PREP	
12F3571-MS2	Matrix Spike	Total	Water	NO PREP	
NWE2898-01	2050668-18 MW-18	Total	Water	NO PREP	
NWE2898-02	2050668-25 MW-21	Total	Water	NO PREP	

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Client Sample ID: 2050668-18 MW-18

Lab Sample ID: NWE2898-01
Date Collected: 05/23/12 14:08
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 9020B		1.00	12F3571	06/20/12 14:47	SHJ	TAL NSH
Total	Prep	NO PREP		1.00	12F3571_P	06/20/12 14:47	SHJ	TAL NSH

Client Sample ID: 2050668-25 MW-21

Lab Sample ID: NWE2898-02
Date Collected: 05/23/12 15:45
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 9020B		1.00	12F3571	06/20/12 15:13	SHJ	TAL NSH
Total	Prep	NO PREP		1.00	12F3571_P	06/20/12 15:13	SHJ	TAL NSH

Client Sample ID: 2050668-28 MW-3A

Lab Sample ID: NWE2898-03
Date Collected: 05/23/12 16:00
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050668-30 MW-8

Lab Sample ID: NWE2898-04
Date Collected: 05/23/12 16:25
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050668-32 MW-7A

Lab Sample ID: NWE2898-05
Date Collected: 05/23/12 16:45
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050668-34 MW-5A

Lab Sample ID: NWE2898-06
Date Collected: 05/23/12 17:10
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Method	Method Description	Protocol	Laboratory
SW846 9020B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2898

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIP

NWE2898

Cooler Received/Opened On 5/25/2012 @ 8:30

1. Tracking # 7250 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 2.4 *Degrees Celsius*
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA
4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

NWE2898
06/26/12 23:59

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								
Filtered (Yes/No)					N								
Cooled (Yes/No)					Y								
Container Type (P/G)					G								
Container Volume					500 ml								
Sample Type (Grab/Composite)					G								
Sample Source (WW, GW, DW, Other)					GW								
Sample Source Chlorinated (Yes/No)					N								
Lab Receipt Cl_2 Check													
Lab Receipt pH Check													
Preserved (Code)					B								
205	06168-18	5.23	1408	MW-18	1	1							
	-25		1545	MW-21	1	1							
	-28		1600	MW-3A	1	1							
	-30		1625	MW-8	1	1							
	-32		1645	MW-7A	1	1							
	-34		1710	MW-5A	1	1							

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

COMMENTS:

SUB TO TEST AMERICA

SAMPLER Relinquished by (Sig.) ①	Date/Time 5.24.12 1000	Received by (Sig.) ② / Shipper Name & # TAN	Date/Time 5/25/12 0830	KNOWN HAZARDS ASSOCIATED WITH SAMPLES
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ / Shipper Name & #	Date/Time	
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ / Shipper Name & #	Date/Time	Temperature of blank or representative sample: At time of collection ____ °C; At time of lab receipt ____ °C

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

Client	Blue Ridge Paper Products Jim Giaque 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 2050604 05/22/2012 08:00

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 22, 2012. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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We strive to provide excellent service to our clients. Please contact Kara Hrkach, your Project Manager, at kara.hrkach@rogersandcallcott.com or (864)-335-4956 if you have any questions about this report.

CC: Mark Lancaster - Rogers and Callcott

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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Laboratory Services Report

South Carolina Laboratory Identification 23105
South Carolina Mobile Lab Identification 40572
North Carolina Laboratory Certification Number 27
NELAP Laboratory Identification E87822

Client
Blue Ridge Paper Products
Jim Giaque
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 2050604
Received: 05/22/2012 08:00

Sample Number	Sample Description	Matrix	Sampled	Type
2050604-01	MW-14	Ground Water	05/21/12 12:37	Grab
2050604-02	MW-14	Ground Water	05/21/12 13:02	Grab
2050604-03	MW-17	Ground Water	05/21/12 13:48	Grab
2050604-04	MW-17	Ground Water	05/21/12 14:16	Grab
2050604-05	MW-12	Ground Water	05/21/12 14:31	Grab
2050604-06	MW-12	Ground Water	05/21/12 15:05	Grab
2050604-07	MW-4	Ground Water	05/21/12 13:42	Grab
2050604-08	MW-4	Ground Water	05/21/12 16:16	Grab
2050604-09	MW-14	Ground Water	05/21/12 13:05	Grab
2050604-10	MW-14	Ground Water	05/21/12 13:07	Grab
2050604-11	MW-14	Ground Water	05/21/12 13:09	Grab
2050604-12	MW-14	Ground Water	05/21/12 13:20	Grab
2050604-13	MW-14	Ground Water	05/21/12 13:27	Grab
2050604-14	MW-14	Ground Water	05/21/12 13:28	Grab
2050604-15	MW-14	Ground Water	05/21/12 13:31	Grab
2050604-16	MW-17	Ground Water	05/21/12 14:18	Grab
2050604-17	MW-17	Ground Water	05/21/12 14:18	Grab
2050604-18	MW-12	Ground Water	05/21/12 15:07	Grab
2050604-19	MW-12	Ground Water	05/21/12 15:07	Grab
2050604-20	MW-4	Ground Water	05/21/12 16:18	Grab
2050604-21	MW-4	Ground Water	05/21/12 16:18	Grab

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050604 Reported: 07/09/12 12:37

Sample Data

Sample Number 2050604-01
Sample Description MW-14 collected on 05/21/12 12:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**26.48**	0.00	Ft	1.00	05/21/12 12:37	-		BCS	B2E0610

Sample Number 2050604-02
Sample Description MW-14 collected on 05/21/12 13:02

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.6**	0.1	pH Units	1.00	05/21/12 13:02	EPA 9040C		BCS	B2E0610
Specific Conductance at 25 C	**89.9**	10.0	umhos/cm	1.00	05/21/12 13:02	EPA 9050A		BCS	B2E0610
Temperature	**16.8**	0.0	°C	1.00	05/21/12 13:02	SM 2550B		BCS	B2E0610
Turbidity (Field)	ND	5.0	NTU	1.00	05/21/12 13:02	Field Screen		BCS	B2E0610

Sample Number 2050604-03
Sample Description MW-17 collected on 05/21/12 13:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**45.69**	0.00	Ft	1.00	05/21/12 13:48	-		BCS	B2E0610

Sample Number 2050604-04
Sample Description MW-17 collected on 05/21/12 14:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.0**	0.1	pH Units	1.00	05/21/12 14:16	EPA 9040C		BCS	B2E0610
Specific Conductance at 25 C	**31.0**	10.0	umhos/cm	1.00	05/21/12 14:16	EPA 9050A		BCS	B2E0610
Temperature	**14.5**	0.0	°C	1.00	05/21/12 14:16	SM 2550B		BCS	B2E0610
Turbidity (Field)	ND	5.0	NTU	1.00	05/21/12 14:16	Field Screen		BCS	B2E0610

Sample Number 2050604-05
Sample Description MW-12 collected on 05/21/12 14:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**11.10**	0.00	Ft	1.00	05/21/12 14:31	-		BCS	B2E0610

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Sample Number 2050604-06
Sample Description MW-12 collected on 05/21/12 15:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.0**	0.1	pH Units	1.00	05/21/12 15:05	EPA 9040C		BCS	B2E0610
Specific Conductance at 25 C	**324**	10.0	umhos/cm	1.00	05/21/12 15:05	EPA 9050A		BCS	B2E0610
Temperature	**14.2**	0.0	°C	1.00	05/21/12 15:05	SM 2550B		BCS	B2E0610
Turbidity (Field)	**5.8**	5.0	NTU	1.00	05/21/12 15:05	Field Screen		BCS	B2E0610

Sample Number 2050604-07
Sample Description MW-4 collected on 05/21/12 13:42

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**60.44**	0.00	Ft	1.00	05/21/12 13:42	-		BCS	B2E0610

Sample Number 2050604-08
Sample Description MW-4 collected on 05/21/12 16:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.5**	0.1	pH Units	1.00	05/21/12 16:16	EPA 9040C		BCS	B2E0610
Specific Conductance at 25 C	**1460**	10.0	umhos/cm	1.00	05/21/12 16:16	EPA 9050A		BCS	B2E0610
Temperature	**18.0**	0.0	°C	1.00	05/21/12 16:16	SM 2550B		BCS	B2E0610
Turbidity (Field)	**15.2**	5.0	NTU	1.00	05/21/12 16:16	Field Screen		BCS	B2E0610

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Sample Number 2050604-09
Sample Description MW-14 collected on 05/21/12 13:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Barium	**0.093**	0.010	mg/L	1.00	05/22/12 14:27	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Calcium	**6.1**	0.25	mg/L	5.00	05/22/12 14:24	EPA 200.7		KFJ	B2E0612
Chromium	**0.002**	0.002	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Iron	ND	0.050	mg/L	1.00	05/22/12 14:27	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Magnesium	**2.2**	0.050	mg/L	1.00	05/22/12 14:27	EPA 200.7		KFJ	B2E0612
Manganese	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Nickel	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Potassium	**2.2**	0.10	mg/L	1.00	05/22/12 14:27	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 14:18	EPA 200.8		LBH	B2E0607
Sodium	**6.7**	0.50	mg/L	5.00	05/22/12 14:24	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:27	EPA 200.7		KFJ	B2E0612

Sample Number 2050604-10
Sample Description MW-14 collected on 05/21/12 13:07

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:33	EPA 245.1		MER	B2E0687

Sample Number 2050604-11
Sample Description MW-14 collected on 05/21/12 13:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**6.66**	1.00	mg/L	1.00	06/07/12 22:33	EPA 300.0	S1	LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 15:40	EPA 300.0		LBW	B2F0058
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:11	SM 4500NO2B		REH	B2E0606
Sulfate	ND	1.00	mg/L	1.00	06/07/12 22:33	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**78.0**	25.0	mg/L	1.00	05/22/12 13:30	SM 2540C		LDS	B2E0609

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

Sample Number 2050604-12
Sample Description MW-14 collected on 05/21/12 13:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758

Sample Number 2050604-13
Sample Description MW-14 collected on 05/21/12 13:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	ND	1.00	mg/L	1.00	05/24/12 02:07	SM 5310C		JLF	B2E0644

Sample Number 2050604-15
Sample Description MW-14 collected on 05/21/12 13:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**1.46**	0.10	mg/L	1.00	05/25/12 11:47	SM 4500NO3H		REH	B2E0728

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

Sample Number 2050604-16
Sample Description MW-17 collected on 05/21/12 14:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	06/11/12 14:59	EPA 300.0		LBW	B2F0253
Fluoride	ND	0.10	mg/L	1.00	06/07/12 04:03	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	**0.42**	0.10	mg/L	1.00	05/25/12 11:58	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:11	SM 4500NO2B		REH	B2E0606
Sulfate	**2.70**	1.00	mg/L	1.00	06/07/12 04:03	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**37.0**	25.0	mg/L	1.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	ND	1.00	mg/L	1.00	05/24/12 03:06	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Barium	**0.012**	0.010	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Calcium	**1.6**	0.050	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Iron	ND	0.050	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Magnesium	**1.0**	0.050	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Manganese	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:41	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Potassium	**1.2**	0.10	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 15:32	EPA 200.8		LBH	B2E0607
Sodium	**2.0**	0.10	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 13:37	EPA 200.7		KFJ	B2E0612

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Sample Number 2050604-18
Sample Description MW-12 collected on 05/21/12 15:07

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**15.8**	10.0	mg/L	10.0	06/08/12 08:33	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 17:25	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**1.79**	0.10	mg/L	1.00	05/25/12 12:09	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:16	SM 4500NO2B		REH	B2E0606
Sulfate	**56.3**	10.0	mg/L	10.0	06/08/12 08:33	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**230**	50.0	mg/L	2.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	ND	1.00	mg/L	1.00	05/24/12 04:01	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Barium	**0.049**	0.010	mg/L	1.00	05/22/12 14:29	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Calcium	**18**	0.50	mg/L	10.0	05/22/12 14:10	EPA 200.7		KFJ	B2E0612
Chromium	**0.003**	0.002	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Iron	**0.22**	0.050	mg/L	1.00	05/22/12 14:29	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Magnesium	**12**	0.50	mg/L	10.0	05/22/12 14:10	EPA 200.7		KFJ	B2E0612
Manganese	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:44	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Potassium	**3.9**	0.10	mg/L	1.00	05/22/12 14:29	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 16:56	EPA 200.8		LBH	B2E0607
Sodium	**25**	1.0	mg/L	10.0	05/22/12 14:10	EPA 200.7		KFJ	B2E0612
Zinc	**0.023**	0.020	mg/L	1.00	05/22/12 14:29	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

Sample Number 2050604-20
Sample Description MW-4 collected on 05/21/12 16:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**83.8**	50.0	mg/L	50.0	06/08/12 09:00	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.50	mg/L	5.00	06/01/12 18:28	EPA 300.0	X	LBW	B2F0058
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/25/12 12:09	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.100	mg/L	10.0	05/22/12 14:23	SM 4500NO2B	X	REH	B2E0606
Sulfate	**250**	50.0	mg/L	50.0	06/08/12 09:00	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**940**	100	mg/L	4.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	**5.31**	1.00	mg/L	1.00	05/24/12 04:21	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Barium	**0.033**	0.010	mg/L	1.00	05/22/12 14:32	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Calcium	**19**	0.50	mg/L	10.0	05/22/12 14:08	EPA 200.7		KFJ	B2E0612
Chromium	**0.008**	0.002	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Iron	**51**	5.0	mg/L	100	05/22/12 14:00	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Magnesium	**16**	0.50	mg/L	10.0	05/22/12 14:08	EPA 200.7		KFJ	B2E0612
Manganese	**1.2**	0.12	mg/L	25.0	05/22/12 17:08	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:47	EPA 245.1		MER	B2E0687
Nickel	**0.006**	0.005	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Potassium	**9.4**	0.10	mg/L	1.00	05/22/12 14:32	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 16:50	EPA 200.8		LBH	B2E0607
Sodium	**240**	10	mg/L	100	05/22/12 14:00	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:32	EPA 200.7		KFJ	B2E0612

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

Subcontracted Analyses

Sample Number 2050604-14
Sample Description MW-14 collected on 05/21/12 13:28

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050604-17
Sample Description MW-17 collected on 05/21/12 14:18

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050604-19
Sample Description MW-12 collected on 05/21/12 15:07

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050604-21
Sample Description MW-4 collected on 05/21/12 16:18

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0606 - General Prep - Wet Chem										
Blank (B2E0606-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B2E0606-BS1)										
Nitrite as N	0.492	0.010	mg/L	0.500		98	90-110			
Duplicate (B2E0606-DUP1)	**Source: 2050604-11**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Duplicate (B2E0606-DUP2)	**Source: 2050605-17**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Matrix Spike (B2E0606-MS1)	**Source: 2050604-11**									
Nitrite as N	0.252	0.010	mg/L	0.250	ND	101	80-120			
Matrix Spike (B2E0606-MS2)	**Source: 2050605-17**									
Nitrite as N	0.256	0.010	mg/L	0.250	ND	99	80-120			
Batch B2E0609 - General Prep - Solids										
Blank (B2E0609-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
LCS (B2E0609-BS1)										
Total Dissolved Solids	509	25.0	mg/L	505		101	80-120			
Duplicate (B2E0609-DUP1)	**Source: 2050550-09**									
Total Dissolved Solids	4430	250	mg/L		4430			0	15	
Batch B2E0644 - General Prep - Wet Chem										
Blank (B2E0644-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0644 - General Prep - Wet Chem										
LCS (B2E0644-BS1)										
Total Organic Carbon	5.14		mg/L	5.00		103	90-110			
Matrix Spike (B2E0644-MS1)	**Source: 2050604-13**									
Total Organic Carbon	4.11		mg/L	3.75	ND	100	80-115			
Matrix Spike (B2E0644-MS2)	**Source: 2050605-19**									
Total Organic Carbon	10.6		mg/L	3.75	6.71	104	80-115			
Matrix Spike Dup (B2E0644-MSD1)	**Source: 2050604-13**									
Total Organic Carbon	4.02		mg/L	3.75	ND	97	80-115	2	15	
Matrix Spike Dup (B2E0644-MSD2)	**Source: 2050605-19**									
Total Organic Carbon	10.6		mg/L	3.75	6.71	104	80-115	0.1	15	
Batch B2E0728 - General Prep - Wet Chem										
Blank (B2E0728-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B2E0728-BS1)										
Nitrate-Nitrite as N	2.04	0.10	mg/L	2.00		102	90-110			
Duplicate (B2E0728-DUP1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	1.39	0.10	mg/L		1.46			5	25	
Duplicate (B2E0728-DUP2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	0.44	0.10	mg/L		0.42			3	25	
Matrix Spike (B2E0728-MS1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	2.71	0.10	mg/L	1.25	1.46	100	80-120			
Matrix Spike (B2E0728-MS2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	1.72	0.10	mg/L	1.25	0.42	103	80-120			

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0758 - General Prep - Wet Chem										
Blank (B2E0758-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2E0758-BS1)										
Total Recoverable Phenols	0.047	0.005	mg/L	0.0500		94	90-110			
Duplicate (B2E0758-DUP1)	**Source: 2050604-20**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2E0758-MS1)	**Source: 2050604-20**									
Total Recoverable Phenols	0.041	0.005	mg/L	0.0500	ND	81	75-125			
Batch B2F0058 - General Prep - IC										
Blank (B2F0058-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B2F0058-BS1)										
Fluoride	0.48	0.10	mg/L	0.500		96	90-110			
Duplicate (B2F0058-DUP1)	**Source: 2050604-11**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B2F0058-DUP2)	**Source: 2050604-18**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B2F0058-MS1)	**Source: 2050604-11**									
Fluoride	0.30	0.10	mg/L	0.300	ND	99	90-110			
Matrix Spike (B2F0058-MS2)	**Source: 2050604-18**									
Fluoride	0.34	0.10	mg/L	0.300	ND	95	90-110			
Batch B2F0164 - General Prep - IC										
Blank (B2F0164-BLK1)										
Fluoride	ND	0.10	mg/L							
Sulfate	ND	1.00	mg/L							

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050604 Reported: 07/09/12 12:37

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0164 - General Prep - IC										
LCS (B2F0164-BS1)										
Fluoride	0.50	0.10	mg/L	0.500		100	90-110			
Sulfate	4.89	1.00	mg/L	5.00		98	90-110			
Duplicate (B2F0164-DUP1)	**Source: 2050605-11**									
Fluoride	0.10	0.10	mg/L		0.10			0	20	
Sulfate	3.38	1.00	mg/L		3.39			0.3	20	
Duplicate (B2F0164-DUP2)	**Source: 2050651-25**									
Fluoride	ND	0.10	mg/L		ND				20	
Sulfate	ND	1.00	mg/L		ND				20	
Matrix Spike (B2F0164-MS1)	**Source: 2050605-11**									
Fluoride	0.38	0.10	mg/L	0.300	0.10	93	90-110			
Sulfate	6.38	1.00	mg/L	3.00	3.39	100	90-110			
Matrix Spike (B2F0164-MS2)	**Source: 2050651-25**									
Fluoride	0.37	0.10	mg/L	0.300	ND	116	90-110			S1
Sulfate	3.65	1.00	mg/L	3.00	ND	93	90-110			
Batch B2F0212 - General Prep - IC										
Blank (B2F0212-BLK1)										
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0212-BS1)										
Chloride	4.68	1.00	mg/L	5.00		94	90-110			
Sulfate	4.82	1.00	mg/L	5.00		96	90-110			
Duplicate (B2F0212-DUP1)	**Source: 2050604-11**									
Chloride	6.68	1.00	mg/L		6.66			0.3	20	
Sulfate	ND	1.00	mg/L		ND				20	

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Blue Ridge Paper Products		Project:	MW and SW
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General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0212 - General Prep - IC										
Duplicate (B2F0212-DUP2)	**Source: 2050605-21**									
Chloride	11.3	2.00	mg/L		11.5			2	20	
Sulfate	3.25	2.00	mg/L		3.39			4	20	
Matrix Spike (B2F0212-MS1)	**Source: 2050604-11**									
Chloride	9.31	1.00	mg/L	3.00	6.66	88	90-110			S1
Sulfate	3.33	1.00	mg/L	3.00	ND	91	90-110			
Matrix Spike (B2F0212-MS2)	**Source: 2050605-21**									
Chloride	17.5	2.00	mg/L	6.00	11.5	100	90-110			
Sulfate	8.92	2.00	mg/L	6.00	3.39	92	90-110			
Batch B2F0253 - General Prep - IC										
Blank (B2F0253-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0253-BS1)										
Chloride	4.69	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0253-DUP1)	**Source: 2050651-60**									
Chloride	37.7	10.0	mg/L		39.2			4	20	
Matrix Spike (B2F0253-MS1)	**Source: 2050651-60**									
Chloride	69.1	10.0	mg/L	30.0	39.2	100	90-110			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Blank (B2E0607-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.001	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B2E0607-BS1)										
Arsenic	0.020	0.005	mg/L	0.0200		101	85-115			
Cadmium	0.020	0.001	mg/L	0.0200		102	85-115			
Chromium	0.021	0.002	mg/L	0.0200		103	85-115			
Copper	0.020	0.005	mg/L	0.0200		102	85-115			
Lead	0.020	0.005	mg/L	0.0200		100	85-115			
Manganese	0.020	0.005	mg/L	0.0200		101	85-115			
Nickel	0.020	0.005	mg/L	0.0200		101	85-115			
Selenium	0.020	0.005	mg/L	0.0200		101	85-115			
Silver	0.020	0.002	mg/L	0.0200		101	85-115			
Matrix Spike (B2E0607-MS1)	**Source: 2050605-21**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	103	70-130			
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130			
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130			
Copper	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Lead	0.020	0.005	mg/L	0.0200	ND	99.9	70-130			
Manganese	0.025	0.005	mg/L	0.0200	ND	106	70-130			
Nickel	0.021	0.005	mg/L	0.0200	ND	100	70-130			
Selenium	0.022	0.005	mg/L	0.0200	ND	103	70-130			
Silver	0.020	0.002	mg/L	0.0200	ND	101	70-130			
Matrix Spike (B2E0607-MS2)	**Source: 2050604-09**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.002	101	70-130			
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Matrix Spike (B2E0607-MS2)	**Source: 2050604-09**									
Lead	0.020	0.005	mg/L	0.0200	ND	101	70-130			
Manganese	0.025	0.005	mg/L	0.0200	0.005	101	70-130			
Nickel	0.022	0.005	mg/L	0.0200	ND	106	70-130			
Selenium	0.022	0.005	mg/L	0.0200	ND	103	70-130			
Silver	0.021	0.002	mg/L	0.0200	ND	102	70-130			
Matrix Spike Dup (B2E0607-MSD1)	**Source: 2050605-21**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	103	70-130	0.1	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	106	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	109	70-130	1	20	
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130	0.9	20	
Lead	0.020	0.005	mg/L	0.0200	ND	101	70-130	0.697	20	
Manganese	0.025	0.005	mg/L	0.0200	ND	107	70-130	1	20	
Nickel	0.021	0.005	mg/L	0.0200	ND	100	70-130	0	20	
Selenium	0.022	0.005	mg/L	0.0200	ND	106	70-130	2	20	
Silver	0.021	0.002	mg/L	0.0200	ND	102	70-130	0.7	20	
Matrix Spike Dup (B2E0607-MSD2)	**Source: 2050604-09**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130	0.8	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130	0.4	20	
Chromium	0.022	0.002	mg/L	0.0200	0.002	100	70-130	0.9	20	
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130	0.7	20	
Lead	0.020	0.005	mg/L	0.0200	ND	98.8	70-130	1.95	20	
Manganese	0.024	0.005	mg/L	0.0200	0.005	99	70-130	1	20	
Nickel	0.022	0.005	mg/L	0.0200	ND	106	70-130	0.09	20	
Selenium	0.022	0.005	mg/L	0.0200	ND	104	70-130	1	20	
Silver	0.020	0.002	mg/L	0.0200	ND	101	70-130	0.3	20	
Post Spike (B2E0607-PS1)	**Source: 2050605-21**									
Arsenic	0.025		mg/L	0.0250	ND	104	75-125			
Cadmium	0.025		mg/L	0.0250	ND	101	75-125			
Chromium	0.027		mg/L	0.0250	ND	103	75-125			
Copper	0.025		mg/L	0.0250	ND	98	75-125			
Lead	0.024		mg/L	0.0250	ND	96.4	75-125			
Manganese	0.029		mg/L	0.0250	ND	103	75-125			
Nickel	0.026		mg/L	0.0250	ND	98	75-125			
Selenium	0.027		mg/L	0.0250	ND	104	75-125			

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Blue Ridge Paper Products		Project:	MW and SW
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Canton, NC 28716		Reported:	07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Post Spike (B2E0607-PS1)	**Source: 2050605-21**									
Silver	0.025		mg/L	0.0250	ND	99	75-125			
Post Spike (B2E0607-PS2)	**Source: 2050604-09**									
Arsenic	0.024		mg/L	0.0250	ND	98	75-125			
Cadmium	0.025		mg/L	0.0250	ND	99	75-125			
Chromium	0.026		mg/L	0.0250	0.002	95	75-125			
Copper	0.025		mg/L	0.0250	ND	96	75-125			
Lead	0.024		mg/L	0.0250	ND	95.0	75-125			
Manganese	0.028		mg/L	0.0250	0.005	95	75-125			
Nickel	0.026		mg/L	0.0250	ND	100	75-125			
Selenium	0.026		mg/L	0.0250	ND	99	75-125			
Silver	0.025		mg/L	0.0250	ND	97	75-125			
Batch B2E0612 - SM 3030C - ICP										
Blank (B2E0612-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.050	mg/L							
Potassium	ND	0.10	mg/L							
Sodium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B2E0612-BS1)										
Barium	0.52	0.010	mg/L	0.500		104	85-115			
Calcium	0.51	0.050	mg/L	0.500		102	85-115			
Iron	0.51	0.050	mg/L	0.500		103	85-115			
Magnesium	0.52	0.050	mg/L	0.500		104	85-115			
Potassium	5.4	0.10	mg/L	5.00		108	85-115			
Sodium	0.52	0.10	mg/L	0.500		104	85-115			
Zinc	0.51	0.020	mg/L	0.500		102	85-115			

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050604 Reported: 07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0612 - SM 3030C - ICP										
Duplicate (B2E0612-DUP1)	**Source: 2050604-16**									
Barium	0.012	0.010	mg/L		0.012			0.1	20	
Calcium	1.6	0.050	mg/L		1.6			2	20	
Iron	ND	0.050	mg/L		ND				20	
Magnesium	1.0	0.050	mg/L		1.0			0.4	20	
Potassium	1.3	0.10	mg/L		1.2			5	20	
Sodium	2.0	0.10	mg/L		2.0			0.2	20	
Zinc	ND	0.020	mg/L		ND				20	
Duplicate (B2E0612-DUP2)	**Source: 2050605-11**									
Barium	0.029	0.010	mg/L		0.029			0.7	20	
Calcium	4.0	0.050	mg/L		4.0			0.7	20	
Iron	1.0	0.050	mg/L		1.0			2	20	
Magnesium	1.7	0.050	mg/L		1.6			1	20	
Potassium	2.8	0.10	mg/L		2.6			6	20	
Sodium	3.5	0.10	mg/L		3.5			0.7	20	
Zinc	ND	0.020	mg/L		ND				20	
Matrix Spike (B2E0612-MS1)	**Source: 2050604-16**									
Barium	0.51	0.010	mg/L	0.500	0.012	99	70-130			
Calcium	2.1	0.050	mg/L	0.500	1.6	96	70-130			
Iron	0.53	0.050	mg/L	0.500	ND	99	70-130			
Magnesium	1.5	0.050	mg/L	0.500	1.0	97	70-130			
Potassium	6.5	0.10	mg/L	5.00	1.2	105	70-130			
Sodium	2.3	0.10	mg/L	0.500	2.0	75	70-130			
Zinc	0.49	0.020	mg/L	0.500	ND	97	70-130			
Matrix Spike (B2E0612-MS2)	**Source: 2050605-11**									
Barium	0.53	0.010	mg/L	0.500	0.029	100	70-130			
Calcium	4.5	0.050	mg/L	0.500	4.0	90	70-130			
Iron	1.5	0.050	mg/L	0.500	1.0	101	70-130			
Magnesium	2.1	0.050	mg/L	0.500	1.6	102	70-130			
Potassium	8.0	0.10	mg/L	5.00	2.6	108	70-130			
Sodium	3.9	0.10	mg/L	0.500	3.5	89	70-130			
Zinc	0.51	0.020	mg/L	0.500	ND	99	70-130			

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050604 Reported: 07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0612 - SM 3030C - ICP										
Post Spike (B2E0612-PS1)	**Source: 2050604-16**									
Barium	0.50		mg/L	0.500	0.012	98	85-115			
Calcium	2.0		mg/L	0.500	1.6	89	85-115			
Iron	0.52		mg/L	0.500	ND	98	85-115			
Magnesium	1.5		mg/L	0.500	1.0	94	85-115			
Potassium	6.4		mg/L	5.00	1.2	103	85-115			
Sodium	2.3		mg/L	0.500	2.0	72	85-115			S1
Zinc	0.49		mg/L	0.500	ND	96	85-115			
Post Spike (B2E0612-PS2)	**Source: 2050605-11**									
Barium	0.52		mg/L	0.500	0.029	99	85-115			
Calcium	4.4		mg/L	0.500	4.0	83	85-115			S5
Iron	1.5		mg/L	0.500	1.0	99	85-115			
Magnesium	2.1		mg/L	0.500	1.6	98	85-115			
Potassium	7.9		mg/L	5.00	2.6	106	85-115			
Sodium	3.9		mg/L	0.500	3.5	82	85-115			S5
Zinc	0.50		mg/L	0.500	ND	98	85-115			
Batch B2E0687 - EPA 245.1										
Blank (B2E0687-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B2E0687-BS1)										
Mercury	0.0020	0.00020	mg/L	0.00200		102	85-115			
Duplicate (B2E0687-DUP1)	**Source: 2050604-10**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B2E0687-DUP2)	**Source: 2050605-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B2E0687-MS1)	**Source: 2050604-10**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050604
Canton, NC 28716		Reported:	07/09/12 12:37

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0687 - EPA 245.1										
Matrix Spike (B2E0687-MS2)	**Source: 2050605-21**									
Mercury	0.0048	0.00020	mg/L	0.00500	ND	96	70-130			

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 245.1 Mercury Digestion				
EPA 245.1	B2E0687	2050604-10	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050604-16	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050604-18	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050604-20	05/24/2012 09:00	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B2E0612	2050604-09	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050604-16	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050604-18	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050604-20	05/22/2012 10:14	KFJ
SM 3030C ICP-MS Metal Digestion				
SM 3030C - ICP-MS	B2E0607	2050604-09	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050604-16	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050604-18	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050604-20	05/22/2012 10:35	LBH

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050604 07/09/12 12:37

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S5	The raw sample concentration was greater than four times the spike concentration. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reported detection limit has been adjusted where applicable.

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ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

20506041

Client Name: BRC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total/Metals*	Total Hg	SO_4, Cl, F, TDS, NO_2	Phenols	TOC	TOX (*)	NO_3
-09	5/21	1305	MW-14	1	1						
-10		1307		1		1					
-11		1309		1			1				
-12		1320		1				1			
-13		1327		1					1		
-14		1328		1						1	
-15		1331		1							1

Filtered (Yes/No)	N						I
Cooled (Yes/No)	Y						I
Container Type (P/G)	P	P	P	G	P	G	P
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 OZ	250 mL
Sample Type (Grab/Composite)	G						I
Sample Source (WW, GW, DW, Other)	GW						I
Sample Source Chlorinated (Yes/No)	N						I
Lab Receipt Cl, Check	NA	NA	NA	NA	NA	I	NA
Lab Receipt pH Check	<2	<2	NA	<2	<2	I	<2
Preserved (Code)	B	B	A	C	I	R	C

A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

COMMENTS:

*As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Zn

Field data collected -01 through -08

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/21/2012 1650	② [signature] Shipper Name & #	5-21-12 1650
Relinquished by (Sig.) ③ [signature]	5/22/2012 0800	Received by (Sig.) ④ [signature] Shipper Name & #	5-22-12 0800
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

(*) Subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.1 °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050604

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2604-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total Metals	Total Hg	SO_4, Cl, Fl, TDS, NO_3	Phenols	TOC	TOX ⊗	NO_3
-16	5/21	1418	MW-17	6	1	1	1	1	1		1
-17			⊥	1						1	
-18		1507	MW-12	6	1	1	1	1	1		1
-19			⊥	1						1	
-20		1618	MW-4	7	1	1	1	2	1		1
-21	⊥	1618	⊥	1						1	

Filtered (Yes/No)	N						⊥
Cooled (Yes/No)	Y						⊥
Container Type (P/G)	P	P	P	G	P	G	P
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL
Sample Type (Grab/Composite)	G						⊥
Sample Source (WW, GW, DW, Other)	GW						⊥
Sample Source Chlorinated (Yes/No)	N						⊥
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA	⊥	NA
Lab Receipt pH Check	<2	<2	NA	<2	<2	⊥	<2
Preserved (Code)	B	B	A	C	I	D	C

A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– Phosphoric Acid

COMMENTS:

* See page 1

Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
①	5/21/2012 1650	② Shipper Name & #	5/21/12 1650
Relinquished by (Sig.) ③	5-22/12 0800	Received by (Sig.) ④ Shipper Name & #	5.22.12 0800
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ Subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt -0.1 Not Fr °C

Form Revised July 2008

R/C COC FORM

Well Number: MW-14

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/21/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 26.48 @ 1237
Total Depth of Well (b): 55.27
Length of Water Column in Well (b-a):
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		3000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/21/2012	1247	NA	200	26.48	0.0	5.75	20.7	97.3	NA	NA	NA	1	<5.0	
	1252	1	200	26.65	1000	5.60	17.2	94.3				1	<5.0	
	1257	2	200	26.74	2000	5.59	17.8	90.6				1	<5.0	
	1302	3	200	26.79	3000	5.60	16.8	89.9				1	<5.0	

5/21/2012

Weather Conditions/~Temp: Partly Cloudy ~70s °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate / High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals - 1305; Hg - 1307; Cl, Fl, TDS, NO_2, SO_4 - 1309; Phenols - 1320; TOC - 1327; TOX - 1328; NO_3 - 1331

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-17

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/21/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 45.69 @ 1348
Total Depth of Well (b): 65.57 on
Length of Water Column in Well (b-a): 19.88
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	13.0	
3 Casing Vol	39.0	~ 39.0

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay /
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/21/2012	1357	NA	2.0	45.69	0.0	6.09	17.6	34.5	NA	NA	NA	1	<5.0	
↓	1403	1	2.0	51.45	13.0	6.12	15.2	33.0	↓	↓	↓	1	<5.0	
	1410	2	2.0	52.59	26.0	6.02	14.7	35.8				1	<5.0	
	1416	3	2.0	53.09	39.0	6.03	14.5	31.0				1	<5.0	

Daniel [illegible] 5/21/2012

Weather Conditions/~Temp: Overcast / 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1418

Comments

Reviewed by: Date:

Revised 2/3/09

Well Number: MW-12

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/21/2012

Field Personnel: BCS

Site Name/Location: BPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 11.10 @ 1431
Total Depth of Well (b): 29.51 on 5/21/2012
Length of Water Column in Well (b-a): 18.41
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	3.0	
3 Casing Vol	9.0	~ 25.0

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/21/2012	1440	NA	1.0	11.10	0.0	6.07	17.1	283.8	NA	NA	NA	1	621	
	1443	1	1.0	15.51	3.0	5.95	15.0	303.7				1	800	
	1446	2	1.0	15.91	6.0	5.98	14.4	315.1				1	196	
	1449	3	1.0	NA	9.0	5.98	14.4	278.1				1	47.4	
	1452	4	1.0		12.0	5.96	14.2	293.8				1	409*	
	1455	5	1.0		15.0	5.97	14.2	309.7				1	138	
	1505**	6	1.0		25.0	5.96	14.2	323.9				1	5.81	

5/21/2012

Weather Conditions/~Temp: Overcast / Rain 160's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1507

Comments * Raised the pump to 17' / ** Additional volume purged to reduce the turbidity

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-4

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/21/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 60.44 @ 1342
Total Depth of Well (b): 83.82 on 5/21/2012
Length of Water Column in Well (b-a): 23.38
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	3.8	
3 Casing Vol	11.4	~ 23.0

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / ____
Well Integrity Satisfactory? Okay / ____
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/21/2012	1531	NA	1.1	60.44	0.0	6.46	16.7	916	NA	NA	NA	2	168	Cloudy, white sheen
	1534	1	1.1	72.15	3.8	6.41	16.1	1001				2	220	
	1538	2	1.1	73.05	7.6	6.39	16.0	1259				2	83.5	
	1541	3	1.1	77.15	11.4	6.41	15.9	1386				2	78.5	
	1548	4	0.54	NA	15.2	6.44	16.2	1652				2	47.2	
	1600	5	0.32	69.05	19.0	6.36	16.3	1639				2	42.2	Sheen
	1616*	6	0.25	69.50	23.0	6.52	18.0	1456				2	15.2	
					Brady Callcott 5/21/2012									

Weather Conditions/~Temp: Overcast/Rain 1 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1618

Comments * Additional volume purged to reduce the turbidity

Reviewed by: ____ Date: ____

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRPC **Date:** 5/21/2012

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4m 08L100071

Time: 0834 Analyst: BCS Cell Constant 5.09

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P201774	BCS 5/21/12 ~~89~~ 9.58		8.9	20.9
P201775	~~978~~ 98.8		97.8	21.1
P201776	~~98~~ 1000		989	20.9
P200978	SSS conc:	447	446.6	21.0

Temperature compensation for conductivity meter : Ø

Note: Temperature is recorded from the conductivity meter for reporting purposes.

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 10F

Time: 0834 Analyst: BCS Slope: 99.1

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201165	4.0		3.96
P201752	7.0		7.01
P201164	10.0		9.99
P201889	SSS conc:	10.0	9.99

Temperature compensation for pH meter : Ø

Note: Temperature is recorded from the conductivity meter for reporting purposes.

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298 Date of most recent calibration: 5/2/2012

Time: 0840 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
P200097	4.45	4.10
P200098	48.7	48.5
P200099	475	467

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC

Date: 5/21/2012

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 500-4M 08L100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1235	BCS	98.8	100.0 @ 24.1 °C
1652	BCS	1,800	997 @ 28.2 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 10E

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1235	BCS	7.0	6.92
1652	BCS	4.0	3.97

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 08120C033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1235	BCS	48.7	47.2
1652	BCS	4.45	40.8 *

* Actual value 4.08 - incorrect recorded in the field. BCS 6/25/2012

Field Duplicate

Well ID: MW-14

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1302	BCS	90.0	5.58	<5.0	17.2

Note: Refer to daily calibration log for instrument calibration and chemical inventory information / documentation.

Reviewed: Date:

Rc d 03/18/09

ROGERS & CALLCOTT
LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

Sample Receipt Verification

Client: BLUE RIDGE PAPER CO Date Received: 5.22.12 Work Order: 20501604

Carrier Name: Client FedEx UPS US Mail Courier (Field Services) Other: _____

Tracking Number: _____

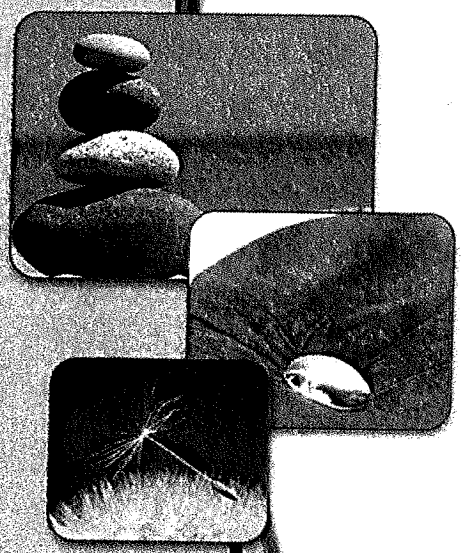
Receipt Criteria	Yes	No	NA	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?			X	
Samples cooled? Temp at receipt recorded on COC; Temp measured with IR thermometer - SN: 97050067	X			(Ice) Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			

If in-house preservation used – record Lot #		
	HCL	
	H_2SO_4	
	HNO_3	
	H_3PO_4	
	NaOH	
	Other	

Comments:

Completed by: KRU

Revised April 2012



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWE2605
Client Project/Site: [none]
Client Project Description: TOX, NC

For:
Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606

Attn: Susan Gunter

Authorized for release by:
6/26/2012 1:37:43 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Association 10
Chronicle 11
Method Summary 12
Certification Summary 13
Chain of Custody 14

Sample Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2605-01	2050604-14 MW-14	Ground Water	05/21/12 13:28	05/23/12 08:30
NWE2605-02	2050604-17 MW-17	Ground Water	05/21/12 14:18	05/23/12 08:30
NWE2605-03	2050604-19 MW-12	Ground Water	05/21/12 15:07	05/23/12 08:30
NWE2605-04	2050604-21 MW-4	Ground Water	05/21/12 16:18	05/23/12 08:30

Definitions/Glossary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Qualifiers

WetChem

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
S7	Sample breakthrough to 2nd section is > 10%. Results may be biased low.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Client Sample ID: 2050604-14 MW-14
Date Collected: 05/21/12 13:28
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-01
Matrix: Ground Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Client Sample ID: 2050604-17 MW-17
Date Collected: 05/21/12 14:18
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-02
Matrix: Ground Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Client Sample ID: 2050604-19 MW-12
Date Collected: 05/21/12 15:07
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-03
Matrix: Ground Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Client Sample ID: 2050604-21 MW-4
Date Collected: 05/21/12 16:18
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-04
Matrix: Ground Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 12F1361-BLK1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Lab Sample ID: 12F1361-BS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.267		mg/L		107	90 - 120

Lab Sample ID: 12F1361-BSD1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.260		mg/L		104	90 - 120	2	20

Lab Sample ID: 12F1361-MS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: 2050604-21 MW-4
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.114		mg/L		91	70 - 130

Lab Sample ID: 12F1361-MS2
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.305	M7 S7	mg/L		305	70 - 130

QC Association Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

WetChem

Analysis Batch: 12F1361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	SW846 9020B	12F1361_P
12F1361-BS1	Lab Control Sample	Total	Water	SW846 9020B	12F1361_P
12F1361-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12F1361_P
12F1361-MS1	2050604-21 MW-4	Total	Water	SW846 9020B	12F1361_P
12F1361-MS2	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
NWE2605-01	2050604-14 MW-14	Total	Ground Water	SW846 9020B	12F1361_P
NWE2605-02	2050604-17 MW-17	Total	Ground Water	SW846 9020B	12F1361_P
NWE2605-03	2050604-19 MW-12	Total	Ground Water	SW846 9020B	12F1361_P
NWE2605-04	2050604-21 MW-4	Total	Ground Water	SW846 9020B	12F1361_P

Prep Batch: 12F1361_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	NO PREP	
12F1361-BS1	Lab Control Sample	Total	Water	NO PREP	
12F1361-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12F1361-MS1	2050604-21 MW-4	Total	Water	NO PREP	
12F1361-MS2	Matrix Spike	Total	Water	NO PREP	
NWE2605-01	2050604-14 MW-14	Total	Ground Water	NO PREP	
NWE2605-02	2050604-17 MW-17	Total	Ground Water	NO PREP	
NWE2605-03	2050604-19 MW-12	Total	Ground Water	NO PREP	
NWE2605-04	2050604-21 MW-4	Total	Ground Water	NO PREP	

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Client Sample ID: 2050604-14 MW-14

Date Collected: 05/21/12 13:28
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-01
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050604-17 MW-17

Date Collected: 05/21/12 14:18
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-02
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050604-19 MW-12

Date Collected: 05/21/12 15:07
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-03
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050604-21 MW-4

Date Collected: 05/21/12 16:18
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2605-04
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Method	Method Description	Protocol	Laboratory
SW846 9020B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2605

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER REC

NWE2605

Cooler Received/Opened On 5/23/12 @ 0830

1. Tracking # 3382 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 5.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA — not filled out.

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) DA

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) DA

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) DA

I certify that I attached a label with the unique LIMS number to each container (intial) DA

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 6/24/09

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

NWE2605
06/22/12 23:59

Client Name: ROGERS + CALLCOTT
Address:
Report To: SUSAN GUNTER
Telephone No.: FAX No.:
PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX
205 0604-14	5.21	1328	MW-14	1	1
-17		1418	MW-17	1	1
-19		1507	MW-12	1	1
-21		1618	MW-4	1	1

Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	G							
Container Volume	1L							
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl_2 Check								
Lab Receipt pH Check								
Preserved (Code)	B							

A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

COMMENTS:

SUB TO TEST AMERICA

NC SAMPLES

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.22.12 / 1200	② [signature] TAN Shipper Name & #	5-23-12 / 0830
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 5.7 °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

Client	Blue Ridge Paper Products Jim Giaque 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 2050605 05/22/2012 08:00

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 22, 2012. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Kara Hrkach, your Project Manager, at kara.hrkach@rogersandcallcott.com or (864)-335-4956 if you have any questions about this report.

CC: Mark Lancaster - Rogers and Callcott

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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426 Fairforest Way, Greenville SC 29607 - PO Box 5655, Greenville SC 29606
Phone 864-232-1556 Fax 864-232-6140
www.rogersandcallcott.com

ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

South Carolina Laboratory Identification 23105
South Carolina Mobile Lab Identification 40572
North Carolina Laboratory Certification Number 27
NELAP Laboratory Identification E87822

Client
Blue Ridge Paper Products
Jim Giaque
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 2050605
Received: 05/22/2012 08:00

Sample Number	Sample Description	Matrix	Sampled	Type
2050605-01	Pigeon R Down	Ground Water	05/21/12 13:00	Grab
2050605-02	BB-Up	Ground Water	05/21/12 13:30	Grab
2050605-03	BB-Down	Ground Water	05/21/12 13:50	Grab
2050605-04	BB-3	Ground Water	05/21/12 14:15	Grab
2050605-05	BB-4	Ground Water	05/21/12 14:35	Grab
2050605-06	Pigeon R Up	Ground Water	05/21/12 14:55	Grab
2050605-07	Underflow Drain	Ground Water	05/21/12 15:20	Grab
2050605-08	Landfill Leachate	Ground Water	05/21/12 15:45	Grab
2050605-09	Pigeon R Down	Ground Water	05/21/12 13:00	Grab
2050605-10	Pigeon R Down	Ground Water	05/21/12 13:00	Grab
2050605-11	BB-Up	Ground Water	05/21/12 13:30	Grab
2050605-12	BB-Up	Ground Water	05/21/12 13:30	Grab
2050605-13	BB-Down	Ground Water	05/21/12 13:50	Grab
2050605-14	BB-Down	Ground Water	05/21/12 13:50	Grab
2050605-15	BB-3	Ground Water	05/21/12 14:15	Grab
2050605-16	BB-3	Ground Water	05/21/12 14:15	Grab
2050605-17	BB-4	Ground Water	05/21/12 14:35	Grab
2050605-18	BB-4	Ground Water	05/21/12 14:35	Grab
2050605-19	Pigeon R Up	Ground Water	05/21/12 14:55	Grab
2050605-20	Pigeon R Up	Ground Water	05/21/12 14:55	Grab
2050605-21	Underflow Drain	Ground Water	05/21/12 15:20	Grab
2050605-22	Underflow Drain	Ground Water	05/21/12 15:20	Grab
2050605-23	Underflow Drain	Ground Water	05/21/12 15:20	Grab
2050605-24	Landfill Leachate	Ground Water	05/21/12 15:45	Grab
2050605-25	Landfill Leachate	Ground Water	05/21/12 15:45	Grab
2050605-26	Landfill Leachate	Ground Water	05/21/12 15:45	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Data

Sample Number 2050605-01
Sample Description Pigeon R Down collected on 05/21/12 13:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.5**	0.1	pH Units	1.00	05/21/12 13:00	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**434**	10.0	umhos/cm	1.00	05/21/12 13:00	EPA 9050A		JHF	B2E0611
Temperature	**23.5**	0.0	°C	1.00	05/21/12 13:00	SM 2550B		JHF	B2E0611
Turbidity (Field)	**5.9**	5.0	NTU	1.00	05/21/12 13:00	Field Screen		JHF	B2E0611

Sample Number 2050605-02
Sample Description BB-Up collected on 05/21/12 13:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.2**	0.1	pH Units	1.00	05/21/12 13:30	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**80.2**	10.0	umhos/cm	1.00	05/21/12 13:30	EPA 9050A		JHF	B2E0611
Temperature	**22.4**	0.0	°C	1.00	05/21/12 13:30	SM 2550B		JHF	B2E0611
Turbidity (Field)	**15.0**	5.0	NTU	1.00	05/21/12 13:30	Field Screen		JHF	B2E0611

Sample Number 2050605-03
Sample Description BB-Down collected on 05/21/12 13:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/21/12 13:50	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**78.0**	10.0	umhos/cm	1.00	05/21/12 13:50	EPA 9050A		JHF	B2E0611
Temperature	**20.2**	0.0	°C	1.00	05/21/12 13:50	SM 2550B		JHF	B2E0611
Turbidity (Field)	**17.6**	5.0	NTU	1.00	05/21/12 13:50	Field Screen		JHF	B2E0611

Sample Number 2050605-04
Sample Description BB-3 collected on 05/21/12 14:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.8**	0.1	pH Units	1.00	05/21/12 14:15	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**142**	10.0	umhos/cm	1.00	05/21/12 14:15	EPA 9050A		JHF	B2E0611
Temperature	**19.3**	0.0	°C	1.00	05/21/12 14:15	SM 2550B		JHF	B2E0611
Turbidity (Field)	**13.7**	5.0	NTU	1.00	05/21/12 14:15	Field Screen		JHF	B2E0611

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-05
Sample Description BB-4 collected on 05/21/12 14:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/21/12 14:35	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**128**	10.0	umhos/cm	1.00	05/21/12 14:35	EPA 9050A		JHF	B2E0611
Temperature	**19.0**	0.0	°C	1.00	05/21/12 14:35	SM 2550B		JHF	B2E0611
Turbidity (Field)	**13.5**	5.0	NTU	1.00	05/21/12 14:35	Field Screen		JHF	B2E0611

Sample Number 2050605-06
Sample Description Pigeon R Up collected on 05/21/12 14:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.6**	0.1	pH Units	1.00	05/21/12 14:55	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**401**	10.0	umhos/cm	1.00	05/21/12 14:55	EPA 9050A		JHF	B2E0611
Temperature	**21.2**	0.0	°C	1.00	05/21/12 14:55	SM 2550B		JHF	B2E0611
Turbidity (Field)	ND	5.0	NTU	1.00	05/21/12 14:55	Field Screen		JHF	B2E0611

Sample Number 2050605-07
Sample Description Underflow Drain collected on 05/21/12 15:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**7.4**	0.1	pH Units	1.00	05/21/12 15:20	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**91.3**	10.0	umhos/cm	1.00	05/21/12 15:20	EPA 9050A		JHF	B2E0611
Temperature	**20.6**	0.0	°C	1.00	05/21/12 15:20	SM 2550B		JHF	B2E0611
Turbidity (Field)	ND	5.0	NTU	1.00	05/21/12 15:20	Field Screen		JHF	B2E0611

Sample Number 2050605-08
Sample Description Landfill Leachate collected on 05/21/12 15:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**8.1**	0.1	pH Units	1.00	05/21/12 15:45	EPA 9040C		JHF	B2E0611
Specific Conductance at 25 C	**20700**	10.0	umhos/cm	1.00	05/21/12 15:45	EPA 9050A		JHF	B2E0611
Temperature	**25.0**	0.0	°C	1.00	05/21/12 15:45	SM 2550B		JHF	B2E0611
Turbidity (Field)	**131**	5.0	NTU	1.00	05/21/12 15:45	Field Screen		JHF	B2E0611

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-09
Sample Description Pigeon R Down collected on 05/21/12 13:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**32.6**	25.0	mg/L	25.0	06/08/12 07:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 18:49	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**0.14**	0.10	mg/L	1.00	05/25/12 13:01	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:16	SM 4500NO2B		REH	B2E0606
Sulfate	**70.6**	25.0	mg/L	25.0	06/08/12 07:03	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**252**	100	mg/L	4.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	**6.85**	1.00	mg/L	1.00	05/24/12 04:48	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Barium	**0.026**	0.010	mg/L	1.00	05/22/12 14:35	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Calcium	**7.5**	1.2	mg/L	25.0	05/22/12 14:03	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Iron	**0.22**	0.050	mg/L	1.00	05/22/12 14:35	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Magnesium	**1.6**	0.050	mg/L	1.00	05/22/12 14:35	EPA 200.7		KFJ	B2E0612
Manganese	**0.079**	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:50	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Potassium	**4.3**	0.10	mg/L	1.00	05/22/12 14:35	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 15:38	EPA 200.8		LBH	B2E0607
Sodium	**70**	2.5	mg/L	25.0	05/22/12 14:03	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:35	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-11
Sample Description BB-Up collected on 05/21/12 13:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**2.42**	1.00	mg/L	1.00	06/06/12 23:03	EPA 300.0		LBW	B2F0164
Fluoride	ND	0.10	mg/L	1.00	06/06/12 23:03	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	**0.41**	0.10	mg/L	1.00	05/25/12 12:20	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:16	SM 4500NO2B		REH	B2E0606
Sulfate	**3.39**	1.00	mg/L	1.00	06/06/12 23:03	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**62.0**	25.0	mg/L	1.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	**1.96**	1.00	mg/L	1.00	05/24/12 05:16	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Barium	**0.029**	0.010	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Calcium	**4.0**	0.050	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Iron	**1.0**	0.050	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Magnesium	**1.6**	0.050	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Manganese	**0.069**	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:52	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Potassium	**2.6**	0.10	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 15:44	EPA 200.8		LBH	B2E0607
Sodium	**3.5**	0.10	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 13:47	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-13
Sample Description BB-Down collected on 05/21/12 13:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**4.38**	1.00	mg/L	1.00	06/11/12 14:17	EPA 300.0		LBW	B2F0253
Fluoride	ND	0.10	mg/L	1.00	06/07/12 03:03	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	**0.45**	0.10	mg/L	1.00	05/25/12 12:20	SM 4500NO3H		REH	B2E0728
Nitrite as N	**0.012**	0.010	mg/L	1.00	05/22/12 12:49	SM 4500NO2B		REH	B2E0606
Sulfate	**4.02**	1.00	mg/L	1.00	06/07/12 03:03	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**68.0**	25.0	mg/L	1.00	05/22/12 13:30	SM 2540C		LDS	B2E0609
Total Organic Carbon	**2.61**	1.00	mg/L	1.00	05/24/12 05:41	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	**0.008**	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Barium	**0.031**	0.010	mg/L	1.00	05/22/12 14:37	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Calcium	**5.0**	0.10	mg/L	2.00	05/22/12 15:28	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Iron	**0.90**	0.050	mg/L	1.00	05/22/12 14:37	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Magnesium	**1.9**	0.050	mg/L	1.00	05/22/12 14:37	EPA 200.7		KFJ	B2E0612
Manganese	**0.066**	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:55	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Potassium	**2.6**	0.10	mg/L	1.00	05/22/12 14:37	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 15:56	EPA 200.8		LBH	B2E0607
Sodium	**3.7**	0.20	mg/L	2.00	05/22/12 15:28	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:37	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-15
Sample Description BB-3 collected on 05/21/12 14:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**4.58**	1.00	mg/L	1.00	06/11/12 14:38	EPA 300.0		LBW	B2F0253
Fluoride	**0.10**	0.10	mg/L	1.00	06/07/12 03:33	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	**0.49**	0.10	mg/L	1.00	05/25/12 12:20	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:21	SM 4500NO2B		REH	B2E0606
Sulfate	**6.51**	1.00	mg/L	1.00	06/07/12 03:33	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**62.0**	25.0	mg/L	1.00	05/24/12 14:30	SM 2540C		LDS	B2E0700
Total Organic Carbon	**1.72**	1.00	mg/L	1.00	05/24/12 06:07	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/12/12 10:00	EPA 420.1		JLF	B2F0347
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Barium	**0.029**	0.010	mg/L	1.00	05/22/12 14:40	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Calcium	**4.9**	0.50	mg/L	10.0	05/22/12 14:19	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Iron	**0.73**	0.050	mg/L	1.00	05/22/12 14:40	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Magnesium	**1.9**	0.050	mg/L	1.00	05/22/12 14:40	EPA 200.7		KFJ	B2E0612
Manganese	**0.052**	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 09:58	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Potassium	**2.4**	0.10	mg/L	1.00	05/22/12 14:40	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 16:02	EPA 200.8		LBH	B2E0607
Sodium	**7.1**	1.0	mg/L	10.0	05/22/12 14:19	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:40	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050605 07/09/12 12:39

Sample Number 2050605-17
Sample Description BB-4 collected on 05/21/12 14:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**4.59**	2.00	mg/L	2.00	06/08/12 07:33	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 19:10	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**0.48**	0.10	mg/L	1.00	05/25/12 13:06	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:21	SM 4500NO2B		REH	B2E0606
Sulfate	**8.85**	2.00	mg/L	2.00	06/08/12 07:33	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**83.0**	25.0	mg/L	1.00	05/24/12 14:30	SM 2540C		LDS	B2E0700
Total Organic Carbon	**1.97**	1.00	mg/L	1.00	05/24/12 06:31	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Barium	**0.030**	0.010	mg/L	1.00	05/22/12 14:49	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Calcium	**4.9**	0.50	mg/L	10.0	05/22/12 14:22	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Iron	**0.76**	0.050	mg/L	1.00	05/22/12 14:49	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Magnesium	**2.0**	0.050	mg/L	1.00	05/22/12 14:49	EPA 200.7		KFJ	B2E0612
Manganese	**0.057**	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:06	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Potassium	**2.5**	0.10	mg/L	1.00	05/22/12 14:49	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 16:32	EPA 200.8		LBH	B2E0607
Sodium	**9.5**	1.0	mg/L	10.0	05/22/12 14:22	EPA 200.7		KFJ	B2E0612
Zinc	**0.040**	0.020	mg/L	1.00	05/22/12 14:49	EPA 200.7		KFJ	B2E0612

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-19
Sample Description Pigeon R Up collected on 05/21/12 14:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**31.8**	25.0	mg/L	25.0	06/08/12 08:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 19:31	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**0.15**	0.10	mg/L	1.00	05/25/12 12:30	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:24	SM 4500NO2B		REH	B2E0606
Sulfate	**65.7**	25.0	mg/L	25.0	06/08/12 08:03	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**249**	25.0	mg/L	1.00	05/24/12 14:30	SM 2540C		LDS	B2E0700
Total Organic Carbon	**6.71**	1.00	mg/L	1.00	05/24/12 06:57	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Barium	**0.026**	0.010	mg/L	1.00	05/22/12 14:51	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Calcium	**6.5**	1.2	mg/L	25.0	05/22/12 14:05	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Iron	**0.24**	0.050	mg/L	1.00	05/22/12 14:51	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Magnesium	**1.5**	0.050	mg/L	1.00	05/22/12 14:51	EPA 200.7		KFJ	B2E0612
Manganese	**0.091**	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:09	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Potassium	**4.1**	0.10	mg/L	1.00	05/22/12 14:51	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 16:38	EPA 200.8		LBH	B2E0607
Sodium	**64**	2.5	mg/L	25.0	05/22/12 14:05	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.020	mg/L	1.00	05/22/12 14:51	EPA 200.7		KFJ	B2E0612

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-21
Sample Description Underflow Drain collected on 05/21/12 15:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**11.5**	2.00	mg/L	2.00	06/08/12 01:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.10	mg/L	1.00	06/01/12 19:52	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**0.39**	0.10	mg/L	1.00	05/25/12 12:31	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/22/12 12:49	SM 4500NO2B		REH	B2E0606
Sulfate	**3.39**	2.00	mg/L	2.00	06/08/12 01:03	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**77.0**	25.0	mg/L	1.00	05/24/12 14:30	SM 2540C		LDS	B2E0700
Total Organic Carbon	ND	1.00	mg/L	1.00	05/24/12 08:59	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.005	mg/L	1.00	05/22/12 09:15	EPA 420.1		JLF	B2E0758
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Barium	**0.048**	0.010	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.001	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Calcium	**4.7**	0.10	mg/L	2.00	05/22/12 15:30	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.002	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Copper	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Iron	ND	0.050	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612
Lead	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Magnesium	**2.5**	0.050	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612
Manganese	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:12	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Potassium	**2.2**	0.10	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.005	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Silver	ND	0.002	mg/L	1.00	05/22/12 14:48	EPA 200.8		LBH	B2E0607
Sodium	**3.6**	0.10	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612
Zinc	**0.068**	0.020	mg/L	1.00	05/22/12 14:54	EPA 200.7		KFJ	B2E0612

Sample Number 2050605-23
Sample Description Underflow Drain collected on 05/21/12 15:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
BOD, 5 Day	ND	2.0	mg/L	1.00	05/23/12 09:59	SM 5210B		MSA	B2E0716
COD	ND	20.0	mg/L	1.00	05/30/12 10:45	EPA 410.4		REH	B2E0760

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-24
Sample Description Landfill Leachate collected on 05/21/12 15:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
BOD, 5 Day	**198**	2.0	mg/L	1.00	05/23/12 10:00	SM 5210B		MSA	B2E0716
COD	**515**	20.0	mg/L	1.00	05/30/12 10:45	EPA 410.4		REH	B2E0760
Total Phosphorus as P	**27**	2.5	mg/L	250	05/29/12 15:03	SM 4500PE		REH	B2E0731

Sample Number 2050605-25
Sample Description Landfill Leachate collected on 05/21/12 15:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**158**	50.0	mg/L	50.0	06/14/12 16:22	EPA 300.0		LBW	B2F0400
Fluoride	**18.8**	5.00	mg/L	50.0	06/01/12 21:16	EPA 300.0	X	LBW	B2F0058
Nitrate-Nitrite as N	**0.18**	0.10	mg/L	1.00	05/25/12 14:13	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.100	mg/L	10.0	05/22/12 14:36	SM 4500NO2B	X	REH	B2E0606
Sulfate	**1340**	500	mg/L	500	06/08/12 02:33	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**15600**	250	mg/L	10.0	05/24/12 14:30	SM 2540C		LDS	B2E0700
Total Organic Carbon	**131**	20.0	mg/L	20.0	05/24/12 09:19	SM 5310C		JLF	B2E0644
Total Recoverable Phenols	ND	0.010	mg/L	2.00	06/12/12 10:00	EPA 420.1		JLF	B2F0347
Total Metals									
Arsenic	**1.6**	0.25	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Barium	**0.068**	0.050	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Cadmium	ND	0.01	mg/L	10.0	05/22/12 17:32	EPA 200.8	X	LBH	B2E0607
Calcium	**51**	2.5	mg/L	50.0	05/22/12 15:19	EPA 200.7		KFJ	B2E0612
Chromium	ND	0.050	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Copper	ND	0.025	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Iron	**0.58**	0.25	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Lead	ND	0.050	mg/L	10.0	05/22/12 17:32	EPA 200.8	X	LBH	B2E0607
Magnesium	**220**	2.5	mg/L	50.0	05/22/12 15:19	EPA 200.7		KFJ	B2E0612
Manganese	**0.37**	0.050	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Mercury	ND	0.0010	mg/L	5.00	05/25/12 10:20	EPA 245.1	X	MER	B2E0687
Nickel	ND	0.050	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Potassium	**440**	5.0	mg/L	50.0	05/22/12 15:19	EPA 200.7		KFJ	B2E0612
Selenium	ND	0.25	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612
Silver	ND	0.020	mg/L	10.0	05/22/12 17:32	EPA 200.8	X	LBH	B2E0607
Sodium	**65000**	1200	mg/L	12,500	05/22/12 15:16	EPA 200.7		KFJ	B2E0612
Zinc	ND	0.10	mg/L	5.00	05/22/12 15:21	EPA 200.7		KFJ	B2E0612

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Subcontracted Analyses

Sample Number 2050605-10
Sample Description Pigeon R Down collected on 05/21/12 13:00

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-12
Sample Description BB-Up collected on 05/21/12 13:30

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-14
Sample Description BB-Down collected on 05/21/12 13:50

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-16
Sample Description BB-3 collected on 05/21/12 14:15

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-18
Sample Description BB-4 collected on 05/21/12 14:35

Parameter

Subcontract TOH

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Number 2050605-20
Sample Description Pigeon R Up collected on 05/21/12 14:55

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-22
Sample Description Underflow Drain collected on 05/21/12 15:20

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050605-26
Sample Description Landfill Leachate collected on 05/21/12 15:45

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0606 - General Prep - Wet Chem										
Blank (B2E0606-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B2E0606-BS1)										
Nitrite as N	0.492	0.010	mg/L	0.500		98	90-110			
Duplicate (B2E0606-DUP1)	**Source: 2050604-11**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Duplicate (B2E0606-DUP2)	**Source: 2050605-17**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Matrix Spike (B2E0606-MS1)	**Source: 2050604-11**									
Nitrite as N	0.252	0.010	mg/L	0.250	ND	101	80-120			
Matrix Spike (B2E0606-MS2)	**Source: 2050605-17**									
Nitrite as N	0.256	0.010	mg/L	0.250	ND	99	80-120			
Batch B2E0609 - General Prep - Solids										
Blank (B2E0609-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
LCS (B2E0609-BS1)										
Total Dissolved Solids	509	25.0	mg/L	505		101	80-120			
Duplicate (B2E0609-DUP1)	**Source: 2050550-09**									
Total Dissolved Solids	4430	250	mg/L		4430			0	15	
Batch B2E0644 - General Prep - Wet Chem										
Blank (B2E0644-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0644 - General Prep - Wet Chem										
LCS (B2E0644-BS1)										
Total Organic Carbon	5.14		mg/L	5.00		103	90-110			
Matrix Spike (B2E0644-MS1)	**Source: 2050604-13**									
Total Organic Carbon	4.11		mg/L	3.75	ND	100	80-115			
Matrix Spike (B2E0644-MS2)	**Source: 2050605-19**									
Total Organic Carbon	10.6		mg/L	3.75	6.71	104	80-115			
Matrix Spike Dup (B2E0644-MSD1)	**Source: 2050604-13**									
Total Organic Carbon	4.02		mg/L	3.75	ND	97	80-115	2	15	
Matrix Spike Dup (B2E0644-MSD2)	**Source: 2050605-19**									
Total Organic Carbon	10.6		mg/L	3.75	6.71	104	80-115	0.1	15	
Batch B2E0700 - General Prep - Solids										
Blank (B2E0700-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
Duplicate (B2E0700-DUP1)	**Source: 2050605-19**									
Total Dissolved Solids	246	25.0	mg/L		249			1	15	
Batch B2E0716 - General Prep - Wet Chem										
Blank (B2E0716-BLK1)										
BOD, 5 Day	ND	2.0	mg/L							
LCS (B2E0716-BS1)										
BOD, 5 Day	225	2.0	mg/L	198		114	85-115			
Duplicate (B2E0716-DUP1)	**Source: 2050605-24**									
BOD, 5 Day	201	2.0	mg/L		198			2	30	

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0716 - General Prep - Wet Chem										
Duplicate (B2E0716-DUP2)	**Source: 2050616-03**									
BOD, 5 Day	335	2.0	mg/L		410			20	30	
Duplicate (B2E0716-DUP3)	**Source: 2050626-03**									
BOD, 5 Day	221	2.0	mg/L		228			3	30	
Duplicate (B2E0716-DUP4)	**Source: 2050633-03**									
BOD, 5 Day	177	2.0	mg/L		162			9	30	
Batch B2E0728 - General Prep - Wet Chem										
Blank (B2E0728-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B2E0728-BS1)										
Nitrate-Nitrite as N	2.04	0.10	mg/L	2.00		102	90-110			
Duplicate (B2E0728-DUP1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	1.39	0.10	mg/L		1.46			5	25	
Duplicate (B2E0728-DUP2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	0.44	0.10	mg/L		0.42			3	25	
Matrix Spike (B2E0728-MS1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	2.71	0.10	mg/L	1.25	1.46	100	80-120			
Matrix Spike (B2E0728-MS2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	1.72	0.10	mg/L	1.25	0.42	103	80-120			
Batch B2E0731 - General Prep - Wet Chem										
Blank (B2E0731-BLK1)										
Total Phosphorus as P	ND	0.010	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0731 - General Prep - Wet Chem										
LCS (B2E0731-BS1)										
Total Phosphorus as P	0.25	0.010	mg/L	0.250		100	90-110			
Duplicate (B2E0731-DUP1)	**Source: 2050610-01**									
Total Phosphorus as P	1.6	0.10	mg/L		1.6			0	25	
Matrix Spike (B2E0731-MS1)	**Source: 2050610-01**									
Total Phosphorus as P	3.5	0.10	mg/L	2.00	1.6	96	80-120			
Batch B2E0758 - General Prep - Wet Chem										
Blank (B2E0758-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2E0758-BS1)										
Total Recoverable Phenols	0.047	0.005	mg/L	0.0500		94	90-110			
Duplicate (B2E0758-DUP1)	**Source: 2050604-20**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2E0758-MS1)	**Source: 2050604-20**									
Total Recoverable Phenols	0.041	0.005	mg/L	0.0500	ND	81	75-125			
Batch B2E0760 - General Prep - Wet Chem										
Blank (B2E0760-BLK1)										
COD	ND	20.0	mg/L							
LCS (B2E0760-BS1)										
COD	714	20.0	mg/L	700		102	90-110			
LCS (B2E0760-BS2)										
COD	401	20.0	mg/L	400		100	90-110			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0760 - General Prep - Wet Chem										
Duplicate (B2E0760-DUP1)	**Source: 2050429-03**									
COD	535	20.0	mg/L		531			0.8	20	
Duplicate (B2E0760-DUP2)	**Source: 2050598-08**									
COD	37.5	20.0	mg/L		32.2			15	20	
Matrix Spike (B2E0760-MS1)	**Source: 2050429-03**									
COD	912	20.0	mg/L	400	531	95	90-110			
Matrix Spike (B2E0760-MS2)	**Source: 2050598-08**									
COD	445	20.0	mg/L	400	32.2	103	90-110			
Batch B2F0058 - General Prep - IC										
Blank (B2F0058-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B2F0058-BS1)										
Fluoride	0.48	0.10	mg/L	0.500		96	90-110			
Duplicate (B2F0058-DUP1)	**Source: 2050604-11**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B2F0058-DUP2)	**Source: 2050604-18**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B2F0058-MS1)	**Source: 2050604-11**									
Fluoride	0.30	0.10	mg/L	0.300	ND	99	90-110			
Matrix Spike (B2F0058-MS2)	**Source: 2050604-18**									
Fluoride	0.34	0.10	mg/L	0.300	ND	95	90-110			
Batch B2F0164 - General Prep - IC										
Blank (B2F0164-BLK1)										
Chloride	ND	1.00	mg/L							
Fluoride	ND	0.10	mg/L							
Sulfate	ND	1.00	mg/L							

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LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050605 Reported: 07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0164 - General Prep - IC										
LCS (B2F0164-BS1)										
Chloride	4.84	1.00	mg/L	5.00		97	90-110			
Fluoride	0.50	0.10	mg/L	0.500		100	90-110			
Sulfate	4.89	1.00	mg/L	5.00		98	90-110			
Duplicate (B2F0164-DUP1)	**Source: 2050605-11**									
Chloride	2.43	1.00	mg/L		2.42			0.08	20	
Fluoride	0.10	0.10	mg/L		0.10			0	20	
Sulfate	3.38	1.00	mg/L		3.39			0.3	20	
Duplicate (B2F0164-DUP2)	**Source: 2050651-25**									
Fluoride	ND	0.10	mg/L		ND				20	
Sulfate	ND	1.00	mg/L		ND				20	
Matrix Spike (B2F0164-MS1)	**Source: 2050605-11**									
Chloride	5.20	1.00	mg/L	3.00	2.42	93	90-110			
Fluoride	0.38	0.10	mg/L	0.300	0.10	93	90-110			
Sulfate	6.38	1.00	mg/L	3.00	3.39	100	90-110			
Matrix Spike (B2F0164-MS2)	**Source: 2050651-25**									
Fluoride	0.37	0.10	mg/L	0.300	ND	116	90-110			S1
Sulfate	3.65	1.00	mg/L	3.00	ND	93	90-110			
Batch B2F0212 - General Prep - IC										
Blank (B2F0212-BLK1)										
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0212-BS1)										
Chloride	4.68	1.00	mg/L	5.00		94	90-110			
Sulfate	4.82	1.00	mg/L	5.00		96	90-110			
Duplicate (B2F0212-DUP1)	**Source: 2050604-11**									
Chloride	6.68	1.00	mg/L		6.66			0.3	20	
Sulfate	ND	1.00	mg/L		ND				20	

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0212 - General Prep - IC										
Duplicate (B2F0212-DUP2)	**Source: 2050605-21**									
Chloride	11.3	2.00	mg/L		11.5			2	20	
Sulfate	3.25	2.00	mg/L		3.39			4	20	
Matrix Spike (B2F0212-MS1)	**Source: 2050604-11**									
Chloride	9.31	1.00	mg/L	3.00	6.66	88	90-110			S1
Sulfate	3.33	1.00	mg/L	3.00	ND	91	90-110			
Matrix Spike (B2F0212-MS2)	**Source: 2050605-21**									
Chloride	17.5	2.00	mg/L	6.00	11.5	100	90-110			
Sulfate	8.92	2.00	mg/L	6.00	3.39	92	90-110			
Batch B2F0253 - General Prep - IC										
Blank (B2F0253-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0253-BS1)										
Chloride	4.69	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0253-DUP1)	**Source: 2050651-60**									
Chloride	37.7	10.0	mg/L		39.2			4	20	
Matrix Spike (B2F0253-MS1)	**Source: 2050651-60**									
Chloride	69.1	10.0	mg/L	30.0	39.2	100	90-110			
Batch B2F0277 - General Prep - Wet Chem										
Blank (B2F0277-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2F0277-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0277 - General Prep - Wet Chem										
Duplicate (B2F0277-DUP1)	**Source: 2050687-06**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0277-MS1)	**Source: 2050687-06**									
Total Recoverable Phenols	0.024	0.005	mg/L	0.0400	ND	61	75-125			S1
Batch B2F0347 - General Prep - Wet Chem										
Blank (B2F0347-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Duplicate (B2F0347-DUP1)	**Source: 2050605-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0347-MS1)	**Source: 2050605-15**									
Total Recoverable Phenols	0.027	0.005	mg/L	0.0400	ND	68	75-125			S1
Batch B2F0400 - General Prep - IC										
Blank (B2F0400-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0400-BS1)										
Chloride	4.72	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0400-DUP1)	**Source: 2050668-15**									
Chloride	67.4	10.0	mg/L		69.4			3	20	
Matrix Spike (B2F0400-MS1)	**Source: 2050668-15**									
Chloride	95.8	10.0	mg/L	30.0	69.4	88	90-110			S1

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Blue Ridge Paper Products		Project:	MW and SW
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Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Blank (B2E0607-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.001	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B2E0607-BS1)										
Arsenic	0.020	0.005	mg/L	0.0200		101	85-115			
Cadmium	0.020	0.001	mg/L	0.0200		102	85-115			
Chromium	0.021	0.002	mg/L	0.0200		103	85-115			
Copper	0.020	0.005	mg/L	0.0200		102	85-115			
Lead	0.020	0.005	mg/L	0.0200		100	85-115			
Manganese	0.020	0.005	mg/L	0.0200		101	85-115			
Nickel	0.020	0.005	mg/L	0.0200		101	85-115			
Selenium	0.020	0.005	mg/L	0.0200		101	85-115			
Silver	0.020	0.002	mg/L	0.0200		101	85-115			
Matrix Spike (B2E0607-MS1)	**Source: 2050605-21**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	103	70-130			
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130			
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130			
Copper	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Lead	0.020	0.005	mg/L	0.0200	ND	99.9	70-130			
Manganese	0.025	0.005	mg/L	0.0200	ND	106	70-130			
Nickel	0.021	0.005	mg/L	0.0200	ND	100	70-130			
Selenium	0.022	0.005	mg/L	0.0200	ND	103	70-130			
Silver	0.020	0.002	mg/L	0.0200	ND	101	70-130			
Matrix Spike (B2E0607-MS2)	**Source: 2050604-09**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130			
Chromium	0.022	0.002	mg/L	0.0200	0.002	101	70-130			
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Matrix Spike (B2E0607-MS2)	**Source: 2050604-09**									
Lead	0.020	0.005	mg/L	0.0200	ND	101	70-130			
Manganese	0.025	0.005	mg/L	0.0200	0.005	101	70-130			
Nickel	0.022	0.005	mg/L	0.0200	ND	106	70-130			
Selenium	0.022	0.005	mg/L	0.0200	ND	103	70-130			
Silver	0.021	0.002	mg/L	0.0200	ND	102	70-130			
Matrix Spike Dup (B2E0607-MSD1)	**Source: 2050605-21**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	103	70-130	0.1	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	106	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	109	70-130	1	20	
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130	0.9	20	
Lead	0.020	0.005	mg/L	0.0200	ND	101	70-130	0.697	20	
Manganese	0.025	0.005	mg/L	0.0200	ND	107	70-130	1	20	
Nickel	0.021	0.005	mg/L	0.0200	ND	100	70-130	0	20	
Selenium	0.022	0.005	mg/L	0.0200	ND	106	70-130	2	20	
Silver	0.021	0.002	mg/L	0.0200	ND	102	70-130	0.7	20	
Matrix Spike Dup (B2E0607-MSD2)	**Source: 2050604-09**									
Arsenic	0.020	0.005	mg/L	0.0200	ND	99	70-130	0.8	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130	0.4	20	
Chromium	0.022	0.002	mg/L	0.0200	0.002	100	70-130	0.9	20	
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130	0.7	20	
Lead	0.020	0.005	mg/L	0.0200	ND	98.8	70-130	1.95	20	
Manganese	0.024	0.005	mg/L	0.0200	0.005	99	70-130	1	20	
Nickel	0.022	0.005	mg/L	0.0200	ND	106	70-130	0.09	20	
Selenium	0.022	0.005	mg/L	0.0200	ND	104	70-130	1	20	
Silver	0.020	0.002	mg/L	0.0200	ND	101	70-130	0.3	20	
Post Spike (B2E0607-PS1)	**Source: 2050605-21**									
Arsenic	0.025		mg/L	0.0250	ND	104	75-125			
Cadmium	0.025		mg/L	0.0250	ND	101	75-125			
Chromium	0.027		mg/L	0.0250	ND	103	75-125			
Copper	0.025		mg/L	0.0250	ND	98	75-125			
Lead	0.024		mg/L	0.0250	ND	96.4	75-125			
Manganese	0.029		mg/L	0.0250	ND	103	75-125			
Nickel	0.026		mg/L	0.0250	ND	98	75-125			
Selenium	0.027		mg/L	0.0250	ND	104	75-125			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0607 - SM 3030C - ICP-MS										
Post Spike (B2E0607-PS1)	**Source: 2050605-21**									
Silver	0.025		mg/L	0.0250	ND	99	75-125			
Post Spike (B2E0607-PS2)	**Source: 2050604-09**									
Arsenic	0.024		mg/L	0.0250	ND	98	75-125			
Cadmium	0.025		mg/L	0.0250	ND	99	75-125			
Chromium	0.026		mg/L	0.0250	0.002	95	75-125			
Copper	0.025		mg/L	0.0250	ND	96	75-125			
Lead	0.024		mg/L	0.0250	ND	95.0	75-125			
Manganese	0.028		mg/L	0.0250	0.005	95	75-125			
Nickel	0.026		mg/L	0.0250	ND	100	75-125			
Selenium	0.026		mg/L	0.0250	ND	99	75-125			
Silver	0.025		mg/L	0.0250	ND	97	75-125			
Batch B2E0612 - SM 3030C - ICP										
Blank (B2E0612-BLK1)										
Arsenic	ND	0.050	mg/L							
Barium	ND	0.010	mg/L							
Calcium	ND	0.050	mg/L							
Chromium	ND	0.010	mg/L							
Copper	ND	0.005	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	0.10	mg/L							
Selenium	ND	0.050	mg/L							
Sodium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B2E0612-BS1)										
Arsenic	0.51	0.050	mg/L	0.500		102	85-115			
Barium	0.52	0.010	mg/L	0.500		104	85-115			
Calcium	0.51	0.050	mg/L	0.500		102	85-115			
Chromium	0.52	0.010	mg/L	0.500		103	85-115			
Copper	0.52	0.005	mg/L	0.500		104	85-115			
Iron	0.51	0.050	mg/L	0.500		103	85-115			
Magnesium	0.52	0.050	mg/L	0.500		104	85-115			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0612 - SM 3030C - ICP										
LCS (B2E0612-BS1)										
Manganese	0.53	0.010	mg/L	0.500		105	85-115			
Nickel	0.52	0.010	mg/L	0.500		103	85-115			
Potassium	5.4	0.10	mg/L	5.00		108	85-115			
Selenium	0.52	0.050	mg/L	0.500		103	85-115			
Sodium	0.52	0.10	mg/L	0.500		104	85-115			
Zinc	0.51	0.020	mg/L	0.500		102	85-115			
Duplicate (B2E0612-DUP1)	**Source: 2050604-16**									
Arsenic	ND	0.050	mg/L		ND				20	
Barium	0.012	0.010	mg/L		0.012			0.1	20	
Calcium	1.6	0.050	mg/L		1.6			2	20	
Chromium	ND	0.010	mg/L		ND				20	
Copper	ND	0.005	mg/L		ND				20	
Iron	ND	0.050	mg/L		ND				20	
Magnesium	1.0	0.050	mg/L		1.0			0.4	20	
Manganese	ND	0.010	mg/L		ND				20	
Nickel	ND	0.010	mg/L		ND				20	
Potassium	1.3	0.10	mg/L		1.2			5	20	
Selenium	ND	0.050	mg/L		ND				20	
Sodium	2.0	0.10	mg/L		2.0			0.2	20	
Zinc	ND	0.020	mg/L		ND				20	
Duplicate (B2E0612-DUP2)	**Source: 2050605-11**									
Arsenic	ND	0.050	mg/L		ND				20	
Barium	0.029	0.010	mg/L		0.029			0.7	20	
Calcium	4.0	0.050	mg/L		4.0			0.7	20	
Chromium	ND	0.010	mg/L		ND				20	
Copper	ND	0.005	mg/L		ND				20	
Iron	1.0	0.050	mg/L		1.0			2	20	
Magnesium	1.7	0.050	mg/L		1.6			1	20	
Manganese	0.069	0.010	mg/L		0.068			2	20	
Nickel	ND	0.010	mg/L		ND				20	
Potassium	2.8	0.10	mg/L		2.6			6	20	
Selenium	ND	0.050	mg/L		ND				20	
Sodium	3.5	0.10	mg/L		3.5			0.7	20	
Zinc	ND	0.020	mg/L		ND				20	

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0612 - SM 3030C - ICP										
Matrix Spike (B2E0612-MS1)	**Source: 2050604-16**									
Arsenic	0.50	0.050	mg/L	0.500	ND	99	70-130			
Barium	0.51	0.010	mg/L	0.500	0.012	99	70-130			
Calcium	2.1	0.050	mg/L	0.500	1.6	96	70-130			
Chromium	0.50	0.010	mg/L	0.500	ND	99	70-130			
Copper	0.50	0.005	mg/L	0.500	ND	100	70-130			
Iron	0.53	0.050	mg/L	0.500	ND	99	70-130			
Magnesium	1.5	0.050	mg/L	0.500	1.0	97	70-130			
Manganese	0.51	0.010	mg/L	0.500	ND	101	70-130			
Nickel	0.50	0.010	mg/L	0.500	ND	100	70-130			
Potassium	6.5	0.10	mg/L	5.00	1.2	105	70-130			
Selenium	0.50	0.050	mg/L	0.500	ND	100	70-130			
Sodium	2.3	0.10	mg/L	0.500	2.0	75	70-130			
Zinc	0.49	0.020	mg/L	0.500	ND	97	70-130			
Matrix Spike (B2E0612-MS2)	**Source: 2050605-11**									
Arsenic	0.49	0.050	mg/L	0.500	ND	97	70-130			
Barium	0.53	0.010	mg/L	0.500	0.029	100	70-130			
Calcium	4.5	0.050	mg/L	0.500	4.0	90	70-130			
Chromium	0.50	0.010	mg/L	0.500	ND	100	70-130			
Copper	0.50	0.005	mg/L	0.500	ND	101	70-130			
Iron	1.5	0.050	mg/L	0.500	1.0	101	70-130			
Magnesium	2.1	0.050	mg/L	0.500	1.6	102	70-130			
Manganese	0.58	0.010	mg/L	0.500	0.068	102	70-130			
Nickel	0.50	0.010	mg/L	0.500	ND	99	70-130			
Potassium	8.0	0.10	mg/L	5.00	2.6	108	70-130			
Selenium	0.49	0.050	mg/L	0.500	ND	98	70-130			
Sodium	3.9	0.10	mg/L	0.500	3.5	89	70-130			
Zinc	0.51	0.020	mg/L	0.500	ND	99	70-130			
Post Spike (B2E0612-PS1)	**Source: 2050604-16**									
Arsenic	0.48		mg/L	0.500	ND	96	85-115			
Barium	0.50		mg/L	0.500	0.012	98	85-115			
Calcium	2.0		mg/L	0.500	1.6	89	85-115			
Chromium	0.49		mg/L	0.500	ND	98	85-115			
Copper	0.49		mg/L	0.500	ND	98	85-115			
Iron	0.52		mg/L	0.500	ND	98	85-115			
Magnesium	1.5		mg/L	0.500	1.0	94	85-115			

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0612 - SM 3030C - ICP										
Post Spike (B2E0612-PS1)	**Source: 2050604-16**									
Manganese	0.50		mg/L	0.500	ND	100	85-115			
Nickel	0.49		mg/L	0.500	ND	97	85-115			
Potassium	6.4		mg/L	5.00	1.2	103	85-115			
Selenium	0.49		mg/L	0.500	ND	97	85-115			
Sodium	2.3		mg/L	0.500	2.0	72	85-115			S1
Zinc	0.49		mg/L	0.500	ND	96	85-115			
Post Spike (B2E0612-PS2)	**Source: 2050605-11**									
Arsenic	0.49		mg/L	0.500	ND	98	85-115			
Barium	0.52		mg/L	0.500	0.029	99	85-115			
Calcium	4.4		mg/L	0.500	4.0	83	85-115			S5
Chromium	0.49		mg/L	0.500	ND	99	85-115			
Copper	0.50		mg/L	0.500	ND	99	85-115			
Iron	1.5		mg/L	0.500	1.0	99	85-115			
Magnesium	2.1		mg/L	0.500	1.6	98	85-115			
Manganese	0.57		mg/L	0.500	0.068	101	85-115			
Nickel	0.50		mg/L	0.500	ND	99	85-115			
Potassium	7.9		mg/L	5.00	2.6	106	85-115			
Selenium	0.49		mg/L	0.500	ND	96	85-115			
Sodium	3.9		mg/L	0.500	3.5	82	85-115			S5
Zinc	0.50		mg/L	0.500	ND	98	85-115			
Batch B2E0687 - EPA 245.1										
Blank (B2E0687-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B2E0687-BS1)										
Mercury	0.0020	0.00020	mg/L	0.00200		102	85-115			
Duplicate (B2E0687-DUP1)	**Source: 2050604-10**									
Mercury	ND	0.00020	mg/L		ND				20	

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0687 - EPA 245.1										
Duplicate (B2E0687-DUP2)	**Source: 2050605-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B2E0687-MS1)	**Source: 2050604-10**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			
Matrix Spike (B2E0687-MS2)	**Source: 2050605-21**									
Mercury	0.0048	0.00020	mg/L	0.00500	ND	96	70-130			

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 245.1 Mercury Digestion				
EPA 245.1	B2E0687	2050605-09	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-11	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-13	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-15	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-17	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-19	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-21	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050605-25	05/24/2012 09:00	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B2E0612	2050605-09	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-11	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-13	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-15	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-17	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-19	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-21	05/22/2012 10:14	KFJ
SM 3030C - ICP	B2E0612	2050605-25	05/22/2012 10:14	KFJ
SM 3030C ICP-MS Metal Digestion				
SM 3030C - ICP-MS	B2E0607	2050605-09	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-11	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-13	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-15	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-17	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-19	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-21	05/22/2012 10:35	LBH
SM 3030C - ICP-MS	B2E0607	2050605-25	05/22/2012 10:35	LBH

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050605
Canton, NC 28716		Reported:	07/09/12 12:39

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S5	The raw sample concentration was greater than four times the spike concentration. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reported detection limit has been adjusted where applicable.

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ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050605

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 09-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total Metals	Hg	Chloride, Fluoride, TDS, Nitrate, Sulfate	Phenols	TOC	TOX ⊗	NO3	COMMENTS:
-04	5-21	1300	Pigeon R. Down	7	1	1	1	1	1	1-10	1	-01 through -08 Field Data Collected
-11		1330	BB - Up	7	1	1	1	1	1	1-12	1	Ø As, Ba, Cd, Ca, Cr, Cu, Fe, Pb,
-13		1350	BB - Down	7	1	1	1	1	1	1-14	1	Mg, Mn, Ni, K, Se, Ag, Na,
-15		1415	BB - 3	8	1	1	1	2	1	1-16	1	Zn
-17		1435	BB - 4	8	1	1	1	2	1	1-18	1	
-19		1455	Pigeon R. Up	7	1	1	1	1	1	1-20	1	
-21		1520	Under Flow Drain	7	1	1	1	1	1	1-22		Preserved with H_2SO_4

	A	B	C	D	E	F	G
Filtered (Yes/No)	N	N	N	N	N	N	N
Cooled (Yes/No)	Y	Y	Y	Y	Y	Y	Y
Container Type (P/G)	P	P	P	G	P	G	P
Container Volume	500	250	½	1L	250	1L	250
Sample Type (Grab/Composite)	G	G	G	G	G	G	G
Sample Source (WW, GW, DW, Other)	GW	GW	GW	GW	GW	GW	GW
Sample Source Chlorinated (Yes/No)	N	N	N	N	N	N	N
Lab Receipt Cl₂ Check	NA	NA	NA	NA	NA	/	NA
Lab Receipt pH Check	<2	<2	NA	<2	<2	/	<2
Preserved (Code)	B	B	A	C	I	B	C

A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- Phosphoric Acid

mcal 5-22-12

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-22-12 0800	② [signature] Shipper Name & #	5.22.12 0800
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯ Recvd. Intact by ◯		Seal # at'chd by ◯ Recvd. Intact by ◯	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -01 Not Rec °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050005

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 09-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: COD	BOD	COD/phosphate					
Filtered (Yes/No)					N	N	N					
Cooled (Yes/No)					Y	Y	Y					
Container Type (P/G)					P	P	P					
Container Volume					250	1/2	500					
Sample Type (Grab/Composite)					G	G	G					
Sample Source (WW, GW, DW, Other)					GW	GW	GW					
Sample Source Chlorinated (Yes/No)					N	N	N					
Lab Receipt Cl_2 Check					NA	NA	NA					
Lab Receipt pH Check					<2	NA	<2					
Preserved (Code)					C	A	C					
-23	5-21-12	1520	Underflow Drain	2	1	1						
-24		1545	Landfill Leachate	2		1	1					

Preserved (Code): A-None, B-HNO_3, C-H_2SO_4, D-NaOH, E-HCL, F-$Na_2S_2O_3$, G-Boric Acid, H-Ascorbic Acid, I- ____

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-22-12 0800	② [signature] Shipper Name & #	5.22.12 0800
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯ Recvd. Intact by ◯		Seal # at'chd by ◯ Recvd. Intact by ◯	

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.1 Not Frozen °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050605

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 04-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals ⊗	Hg	Chloride, Fluoride, TDS, Nitrate, Sulfate	Phenols	TOC	TOX ⊗	NO3	Preserved (Code)
												Filtered (Yes/No)
												Cooled (Yes/No)
												Container Type (P/G)
												Container Volume
												Sample Type (Grab/Composite)
												Sample Source (WW, GW, DW, Other)
												Sample Source Chlorinated (Yes/No)
												Lab Receipt Cl, Check
												Lab Receipt pH Check
					B	B	A	C	J	C	C	
-25	5-21	1545	Land Fill Leachate	6	1	1	1	1	1		1	
-26				1						1		

	Filtered (Yes/No)	Cooled (Yes/No)	Container Type (P/G)	Container Volume	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, Other)	Sample Source Chlorinated (Yes/No)	Lab Receipt Cl, Check	Lab Receipt pH Check
	N	Y	P	500	G	GW	N	NA	⊗
	N	Y	P	250	G	GW	N	NA	⊗
	N	Y	P	1/2	G	GW	N	NA	NA
	N	Y	G	1L	G	GW	N	NA	⊗
	N	Y	P	250	G	GW	N	NA	⊗
	N	Y	G	1L	G	GW	N		/
	N	Y	P	250	G	GW	N	NA	<2

mcd 5-22-12

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– phosphoric acid

COMMENTS:
⊗ Dilute & check pH @ bench 5/22/12

-25: ⊗ As, Ba, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Zn

Field Data Collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5-22-12 0800	② [signature] Shipper Name & #	5.22.12 0800
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
⊗ subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt -0.1 Not Frozen °C

Form Revised July 2008

R/C COC FORM

Well Number: Pigeon R. Dam ☐ Development ☐ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-21-12 Field Personnel: JHF

Page 1 of 10

Site Name/Location: BRPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): @
Total Depth of Well (b):
Length of Water Column in Well (b-a):
Well Casing Diameter (inches):
Depth to Immiscible Layer:

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay /
Well Integrity Satisfactory? Okay /
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1300	NA	NA	NA	NA	7.48	23.5	434	NA	NA	NA	~~5.12~~ JHF 5-22-12	~~5.92~~	
								5-21-12						

Weather Conditions/~Temp: Partly Cloudy / 74 °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: none Fe^{+2} mg/L= NA

Sample Collection Time 1300

Comments

Reviewed by: Date:

Revised 2/3/09

Well Number: BB - up ☐ Development ☐ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-21-12 Field Personnel: JHF

Page 6 of 10

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1330	NA	NA	NA	NA	7.25	22.4	80.2	NA	NA	NA	1	15.0	
							5-21-12							

Weather Conditions/~Temp: Partly Cloudy / 73 °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: none Fe^{+2} mg/L= NA

Sample Collection Time 1330

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: BB - Down ☐ Development ☐ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-21-12 Field Personnel: JHF

Page 3 of 10

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): @
Total Depth of Well (b):
Length of Water Column in Well (b-a):
Well Casing Diameter (inches):
Depth to Immiscible Layer:

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay /
Well Integrity Satisfactory? Okay /
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1350	NA	NA	NA	NA	7.55	20.2	78.0	NA	NA	NA	1	17.6	
						5-21-12								

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Mostly Cloudy / 75 °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1350

Comments

Reviewed by: Date:

Revised 2/3/09

Well Number: BB-3 ☐ Development ☐ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Page 4 of 10

Date: 5-21-12 Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1415	NA	NA	NA	NA	7.85	19.3	~~42.1~~ 141.8 JHF 5-21-12	NA	NA	NA	1	13.7	

5-21-12

Weather Conditions/~Temp: Cloudy / 73 °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1415

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: BB-4 ☐ Development ☐ Purging

Date: 5-21-12 Field Personnel: JHF

Site Name/Location: BRPC

Page 5 of 10

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1435	NA	NA	NA	NA	7.65	19.0	127.5	NA	NA	NA	1	13.5	
							5-21-12							

Weather Conditions/~Temp: Mostly Cloudy / 77 °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: none Fe^{+2} mg/L= NA

Sample Collection Time 1435

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Pigeon R. UP ☐ Development ☐ Purging

Date: 5-21-12 Field Personnel: JHF

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Grab

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1455	NA	NA	NA	NA	7.60	21.2	401	NA	NA	NA	1	<5.0	

JHF 5-21-12

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: ~~5-21~~ JHF 5-21-12 Mostly Cloudy 75 °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1455

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: Under-Flow Drain ☐ Development ☐ Purging

Date: 5-21-12 Field Personnel: JHF

Site Name/Location: BAPC

Page 7 of 10

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Surface Water Sample

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1520	NA	NA	NA	NA	7.35	20.6	91.3	NA	NA	NA	1	<1.0	JHF 5-22-12 <5.0

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Mostly Cloudy / 77 °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: none Fe^{+2} mg/L= NA

Sample Collection Time 1520

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: Land Fill Leachate ☐ Development ☐ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5-21-12 Field Personnel: JHF

Site Name/Location: BAPC

For Low Flow Sampling: Page NA

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC

☐ Continuous (Recovery Well)

☒ Grab Sample

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): _____ @ _____
Total Depth of Well (b): _____
Length of Water Column in Well (b-a): _____
Well Casing Diameter (inches): _____
Depth to Immiscible Layer: _____

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol	NA	NA

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5-21-12	1545	NA	NA	NA	NA	8.13	25.0	20680	NA	NA	NA	3	131	
							5-21-12							

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Cloudy / 77 °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Greenish Yellow / Slight Turbid Precipitate: none Fe^{+2} mg/L= NA

Sample Collection Time 1545

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Rogers and Callcott Engineers

Client: BBPC **Date:** 5-21-12

Field Meter Calibration Record

Conductivity Calibration - EPA 9050A

Meter Make / Model: Orion 4 Star SN: A12882 Probe: PT1-11328

Time: 0856 Analyst: JHF Cell Constant 0.485

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
P201774	9.58		9.42	21.6
P201775	98.8		102.0	21.5
P201776	1000		1031	21.5
P200978	SSS conc:	447	464	21.5

Temperature compensation for pH / conductivity meter : -0.1

pH Calibration - EPA 9040C

Meter Make / Model: Orion 4 Star Probe: PR1-13531

Time: 0851 Analyst: JHF Slope: 99.2

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
P201165	4.0		4.03
P201752	7.0		7.03
P201164	10.0		10.05
P201889	SSS conc:	10.0	10.03

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 980700018869 Date of most recent calibration: 4-24-12

Time: 0837 Analyst: JHF

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
P200087	4.65	4.42
P200088	45.6	43.9
P200089	471	460

Reviewed by: Date:

Revised 07/21/11

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC

Date: 5-21-12

Conductivity Meter
EPA 9050A

Meter Make / Model: Orion 4 Star

SN: A12882

Probe: PTI-11328

JHF 5-21-12 Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
~~10~~ 1245	JHF	98.8	103.6 @ 26.3 °C
1603	JHF	1000	1032 @ 27.3 °C

pH Meter
EPA 9040C

Meter Make / Model: Orion 4 Star

Probe: PRI-13531

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1243	JHF	7.0	7.00
1601	JHF	4.0	4.04

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P

SN: 98070001886 9

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1243	JHF	45.6	43.6
1601	JHF	4.65	4.62

Field Duplicate

Well ID: Under Flow Drain

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
1525	JHF	101.3	7.37	<5.0	20.7

Note: Refer to daily calibration log for instrument calibration and chemical inventory information / documentation.

Revised 08/03/11

Reviewed by: _____ Date: _____

ROGERS & CALLCOTT
LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

Sample Receipt Verification

Client: BLUE RIDGE PAPER CO Date Received: 5.22.12 Work Order: 20506005

Carrier Name: Client FedEx UPS US Mail Courier (Field Services) Other: _____

Tracking Number: _____

Receipt Criteria	Yes	No	NA	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?			X	
Samples cooled? Temp at receipt recorded on COC; Temp measured with IR thermometer - SN: 97050067	X			(Ice) Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			* see below

If in-house preservation used – record Lot #		
	HCL	
	H_2SO_4	
	HNO_3	
	H_3PO_4	
	NaOH	
	Other	

Comments: Leachate - Metals, Phenol, TOC - Dilute & pH @ Bench due to sample matrix. mcc 5/22

Completed by: KRU

Revised April 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWE2623
Client Project/Site: [none]
Client Project Description: TOX, NC

For:
Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606

Attn: Susan Gunter

Authorized for release by:
6/11/2012 10:47:18 AM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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Sample Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2623-01	2050605-10 PIGEON R DOWN	Water	05/21/12 13:00	05/23/12 08:30
NWE2623-02	2050605-12 BB-UP	Water	05/21/12 13:30	05/23/12 08:30
NWE2623-03	2050605-14 BB-DOWN	Water	05/21/12 13:50	05/23/12 08:30
NWE2623-04	2050605-16 BB-3	Water	05/21/12 14:15	05/23/12 08:30
NWE2623-05	2050605-18 BB-4	Water	05/21/12 14:35	05/23/12 08:30
NWE2623-06	2050605-20 PIGEON R UP	Water	05/21/12 14:55	05/23/12 08:30
NWE2623-07	2050605-22 UNDERFLOW DRAIN	Water	05/21/12 15:20	05/23/12 08:30
NWE2623-08	2050605-26 LANDFILL LEACHATE	Water	05/21/12 15:45	05/23/12 08:30

Definitions/Glossary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Qualifiers

WetChem

Qualifier	Qualifier Description
S7	Sample breakthrough to 2nd section is > 10%. Results may be biased low.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-10 PIGEON R DOWN
Date Collected: 05/21/12 13:00
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2623-01
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.266	S7	0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-12 BB-UP

Lab Sample ID: NWE2623-02

Date Collected: 05/21/12 13:30
Date Received: 05/23/12 08:30

Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-14 BB-DOWN

Lab Sample ID: NWE2623-03

Date Collected: 05/21/12 13:50
Matrix: Water
Date Received: 05/23/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-16 BB-3
Date Collected: 05/21/12 14:15
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2623-04
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-18 BB-4
Date Collected: 05/21/12 14:35
Date Received: 05/23/12 08:30

Lab Sample ID: NWE2623-05
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-20 PIGEON R UP

Lab Sample ID: NWE2623-06

Date Collected: 05/21/12 14:55

Matrix: Water

Date Received: 05/23/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.436	S7	0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-22 UNDERFLOW DRAIN

Lab Sample ID: NWE2623-07

Date Collected: 05/21/12 15:20
Date Received: 05/23/12 08:30

Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.111	S7	0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-26 LANDFILL LEACHATE

Lab Sample ID: NWE2623-08

Date Collected: 05/21/12 15:45

Matrix: Water

Date Received: 05/23/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	1.95	S7	0.120		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 12E5613-BLK1
Matrix: Water
Analysis Batch: 12E5613

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E5613_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		05/25/12 12:55	05/25/12 15:32	1.00

Lab Sample ID: 12E5613-BS1
Matrix: Water
Analysis Batch: 12E5613

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E5613_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.241		mg/L		96	90 - 120

Lab Sample ID: 12E5613-BSD1
Matrix: Water
Analysis Batch: 12E5613

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 12E5613_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.244		mg/L		98	90 - 120	1	20

Lab Sample ID: 12E5613-MS1
Matrix: Water
Analysis Batch: 12E5613

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12E5613_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.106		mg/L		106	70 - 130

Lab Sample ID: 12E5613-MS2
Matrix: Water
Analysis Batch: 12E5613

Client Sample ID: 2050605-12 BB-UP
Prep Type: Total
Prep Batch: 12E5613_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.121		mg/L		121	70 - 130

QC Association Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

WetChem

Analysis Batch: 12E5613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E5613-BLK1	Method Blank	Total	Water	SW846 9020B	12E5613_P
12E5613-BS1	Lab Control Sample	Total	Water	SW846 9020B	12E5613_P
12E5613-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12E5613_P
12E5613-MS1	Matrix Spike	Total	Water	SW846 9020B	12E5613_P
12E5613-MS2	2050605-12 BB-UP	Total	Water	SW846 9020B	12E5613_P
NWE2623-01	2050605-10 PIGEON R DOWN	Total	Water	SW846 9020B	12E5613_P
NWE2623-02	2050605-12 BB-UP	Total	Water	SW846 9020B	12E5613_P
NWE2623-03	2050605-14 BB-DOWN	Total	Water	SW846 9020B	12E5613_P
NWE2623-04	2050605-16 BB-3	Total	Water	SW846 9020B	12E5613_P
NWE2623-05	2050605-18 BB-4	Total	Water	SW846 9020B	12E5613_P
NWE2623-06	2050605-20 PIGEON R UP	Total	Water	SW846 9020B	12E5613_P
NWE2623-07	2050605-22 UNDERFLOW DRAIN	Total	Water	SW846 9020B	12E5613_P
NWE2623-08	2050605-26 LANDFILL LEACHATE	Total	Water	SW846 9020B	12E5613_P

Prep Batch: 12E5613_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E5613-BLK1	Method Blank	Total	Water	NO PREP	
12E5613-BS1	Lab Control Sample	Total	Water	NO PREP	
12E5613-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12E5613-MS1	Matrix Spike	Total	Water	NO PREP	
12E5613-MS2	2050605-12 BB-UP	Total	Water	NO PREP	
NWE2623-01	2050605-10 PIGEON R DOWN	Total	Water	NO PREP	
NWE2623-02	2050605-12 BB-UP	Total	Water	NO PREP	
NWE2623-03	2050605-14 BB-DOWN	Total	Water	NO PREP	
NWE2623-04	2050605-16 BB-3	Total	Water	NO PREP	
NWE2623-05	2050605-18 BB-4	Total	Water	NO PREP	
NWE2623-06	2050605-20 PIGEON R UP	Total	Water	NO PREP	
NWE2623-07	2050605-22 UNDERFLOW DRAIN	Total	Water	NO PREP	
NWE2623-08	2050605-26 LANDFILL LEACHATE	Total	Water	NO PREP	

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-10 PIGEON R DOWN

Lab Sample ID: NWE2623-01
Matrix: Water

Date Collected: 05/21/12 13:00
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-12 BB-UP

Lab Sample ID: NWE2623-02
Matrix: Water

Date Collected: 05/21/12 13:30
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-14 BB-DOWN

Lab Sample ID: NWE2623-03
Matrix: Water

Date Collected: 05/21/12 13:50
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-16 BB-3

Lab Sample ID: NWE2623-04
Matrix: Water

Date Collected: 05/21/12 14:15
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-18 BB-4

Lab Sample ID: NWE2623-05
Matrix: Water

Date Collected: 05/21/12 14:35
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-20 PIGEON R UP

Lab Sample ID: NWE2623-06
Matrix: Water

Date Collected: 05/21/12 14:55
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Client Sample ID: 2050605-22 UNDERFLOW DRAIN

Lab Sample ID: NWE2623-07

Date Collected: 05/21/12 15:20
Matrix: Water
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Client Sample ID: 2050605-26 LANDFILL LEACHATE

Lab Sample ID: NWE2623-08

Date Collected: 05/21/12 15:45
Matrix: Water
Date Received: 05/23/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		4.00	12E5613_P	05/25/12 12:55	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12E5613	05/25/12 15:32	SHJ	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Method	Method Description	Protocol	Laboratory
SW846 9020B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2623

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	*	ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIP

NWE2623

Cooler Received/Opened On 5/23/2012 @ 0830

1. Tracking # 3419 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..NA

4. Were custody seals on outside of cooler? YES..NO..NA

   If yes, how many and where: Ø

5. Were the seals intact, signed, and dated correctly? YES...NO..NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) F

7. Were custody seals on containers: YES NO and Intact YES...NO..NA

   Were these signed and dated correctly? YES...NO..NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO..NA

13a. Were VOA vials received? YES..NO..NA

   b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO..NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

   b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MW

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MW

I certify that I attached a label with the unique LIMS number to each container (intial) MW

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..#_____

Hr) 205 0605-20 – is Sulfuric Preserved – the c.o.c. indicates HNO_3. MW

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

NWE2623
06/07/12 23:59

Client Name: ROGERS + CALLCOTT
Address:
Report To: SUSAN GUNTER
Telephone No.: FAX No.:
PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX	TOX						Comments
					N→	Y→	G→	1L→	G→	GW→	Z→	
												Filtered (Yes/No)
												Cooled (Yes/No)
												Container Type (P/G)
												Container Volume
												Sample Type (Grab/Composite)
												Sample Source (WW, GW, DW, Other)
												Sample Source Chlorinated (Yes/No)
												Lab Receipt Cl2 Check
												Lab Receipt pH Check
					B	C						Preserved (Code)
205 0605-10	5.21	1300	PIGEON R DOWN	1	1				NWE 2623-01			SUB TO TEST AMERICA
-12		1330	BB-UP	1	1						02	
-14		1350	BB-DOWN	1	1						03	
-16		1415	BB-3	1	1						04	NC SAMPLES
-18		1435	BB-4	1	1						05	
-20		1455	PIGEON R UP	1	1						06	
-22		1520	UNDERFLOW DRAIN	1		1					07	
-26		1545	LANDFILL LEACHATE	1		1					08	

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

COMMENTS:

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	5.22.12 1200	② [signature] TRN	5-23-12 0830
Relinquished by (Sig.) ③		Received by (Sig.) ④ / Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ / Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.9c °C

Form Revised July 2008

R/C COC FORM

ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

Client	Blue Ridge Paper Products Jim Giaque 175 Main Street Canton, NC 28716	**Project:** **Work Order:** **Received:**	MW and SW 2050651 05/23/2012 13:59

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on May 23, 2012. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the NELAC standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Kara Hrkach, your Project Manager, at kara.hrkach@rogersandcallcott.com or (864)-335-4956 if you have any questions about this report.

CC: Mark Lancaster - Rogers and Callcott

Report Approved By:

Kara Hrkach

Kara Hrkach
Project Manager

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426 Fairforest Way, Greenville SC 29607 - PO Box 5655, Greenville SC 29606
Phone 864-232-1556 Fax 864-232-6140
www.rogersandcallcott.com

ROGERS & CALLCOTT
LABORATORY SERVICES

Laboratory Services Report

South Carolina Laboratory Identification 23105
South Carolina Mobile Lab Identification 40572
North Carolina Laboratory Certification Number 27
NELAP Laboratory Identification E87822

Client Blue Ridge Paper Products
Jim Giaque
175 Main Street
Canton, NC 28716

Project: MW and SW
Work Order: 2050651
Received: 05/23/2012 13:59

Sample Number	Sample Description	Matrix	Sampled	Type
2050651-01	MW-15	Ground Water	05/22/12 07:59	Grab
2050651-02	MW-15	Ground Water	05/22/12 08:28	Grab
2050651-03	MW-20	Ground Water	05/22/12 09:45	Grab
2050651-04	MW-20	Ground Water	05/22/12 10:08	Grab
2050651-05	MW-1A	Ground Water	05/22/12 10:21	Grab
2050651-06	MW-1A	Ground Water	05/22/12 12:13	Grab
2050651-07	MW-10	Ground Water	05/22/12 12:55	Grab
2050651-08	MW-10	Ground Water	05/22/12 13:58	Grab
2050651-09	MW-16D	Ground Water	05/22/12 09:25	Grab
2050651-10	MW-16D	Ground Water	05/22/12 14:50	Grab
2050651-11	MW-16S	Ground Water	05/22/12 15:13	Grab
2050651-12	MW-16S	Ground Water	05/22/12 15:58	Grab
2050651-13	MW-2	Ground Water	05/22/12 08:41	Grab
2050651-14	MW-2	Ground Water	05/22/12 16:52	Grab
2050651-15	MW-11	Ground Water	05/22/12 12:37	Grab
2050651-16	MW-11	Ground Water	05/22/12 17:40	Grab
2050651-17	MW-9	Ground Water	05/22/12 13:10	Grab
2050651-18	MW-9	Ground Water	05/22/12 18:12	Grab
2050651-19	MW-6	Ground Water	05/23/12 09:31	Grab
2050651-20	MW-6	Ground Water	05/23/12 09:57	Grab
2050651-21	MW-13	Ground Water	05/23/12 10:18	Grab
2050651-22	MW-13	Ground Water	05/23/12 10:38	Grab
2050651-23	MW-15	Ground Water	05/22/12 08:30	Grab
2050651-24	MW-15	Ground Water	05/22/12 08:33	Grab
2050651-25	MW-15	Ground Water	05/22/12 08:35	Grab
2050651-26	MW-15	Ground Water	05/22/12 08:44	Grab
2050651-27	MW-15	Ground Water	05/22/12 08:51	Grab
2050651-28	MW-15	Ground Water	05/22/12 08:53	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number	Sample Description	Matrix	Sampled	Type
2050651-29	MW-15	Ground Water	05/22/12 08:56	Grab
2050651-30	MW-20	Ground Water	05/22/12 10:10	Grab
2050651-31	MW-20	Ground Water	05/22/12 10:10	Grab
2050651-32	MW-1A	Ground Water	05/22/12 12:15	Grab
2050651-33	MW-1A	Ground Water	05/22/12 12:15	Grab
2050651-34	MW-10	Ground Water	05/22/12 14:00	Grab
2050651-35	MW-10	Ground Water	05/22/12 14:00	Grab
2050651-36	MW-16D	Ground Water	05/22/12 14:51	Grab
2050651-37	MW-16D	Ground Water	05/22/12 14:57	Grab
2050651-38	MW-16D	Ground Water	05/22/12 14:58	Grab
2050651-39	MW-16D	Ground Water	05/22/12 15:08	Grab
2050651-40	MW-16D	Ground Water	05/22/12 15:16	Grab
2050651-41	MW-16D	Ground Water	05/22/12 15:18	Grab
2050651-42	MW-16D	Ground Water	05/22/12 15:22	Grab
2050651-43	MW-16S	Ground Water	05/22/12 16:00	Grab
2050651-44	MW-16S	Ground Water	05/22/12 16:03	Grab
2050651-45	MW-16S	Ground Water	05/22/12 16:05	Grab
2050651-46	MW-16S	Ground Water	05/22/12 16:13	Grab
2050651-47	MW-16S	Ground Water	05/22/12 16:17	Grab
2050651-48	MW-16S	Ground Water	05/22/12 16:19	Grab
2050651-49	MW-16S	Ground Water	05/22/12 16:22	Grab
2050651-50	MW-2	Ground Water	05/22/12 16:52	Grab
2050651-51	MW-2	Ground Water	05/22/12 16:52	Grab
2050651-52	MW-11	Ground Water	05/22/12 17:40	Grab
2050651-53	MW-11	Ground Water	05/22/12 17:40	Grab
2050651-54	MW-9	Ground Water	05/22/12 18:12	Grab
2050651-55	MW-9	Ground Water	05/22/12 18:12	Grab
2050651-56	MW-6	Ground Water	05/23/12 09:59	Grab
2050651-57	MW-6	Ground Water	05/23/12 09:59	Grab
2050651-58	MW-13	Ground Water	05/23/12 10:39	Grab
2050651-59	MW-13	Ground Water	05/23/12 10:43	Grab
2050651-60	MW-13	Ground Water	05/23/12 10:44	Grab
2050651-61	MW-13	Ground Water	05/23/12 10:53	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number	Sample Description	Matrix	Sampled	Type
2050651-62	MW-13	Ground Water	05/23/12 11:00	Grab
2050651-63	MW-13	Ground Water	05/23/12 11:02	Grab
2050651-64	MW-13	Ground Water	05/23/12 11:06	Grab

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Data

Sample Number 2050651-01
Sample Description MW-15 collected on 05/22/12 07:59

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**26.01**	0.00	Ft	1.00	05/22/12 07:59	-		BCS	B2E0699

Sample Number 2050651-02
Sample Description MW-15 collected on 05/22/12 08:28

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.8**	0.1	pH Units	1.00	05/22/12 08:28	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**50.4**	10.0	umhos/cm	1.00	05/22/12 08:28	EPA 9050A		BCS	B2E0699
Temperature	**12.7**	0.0	°C	1.00	05/22/12 08:28	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/22/12 08:28	Field Screen		BCS	B2E0699

Sample Number 2050651-03
Sample Description MW-20 collected on 05/22/12 09:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**44.42**	0.00	Ft	1.00	05/22/12 09:45	-		BCS	B2E0699

Sample Number 2050651-04
Sample Description MW-20 collected on 05/22/12 10:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.4**	0.1	pH Units	1.00	05/22/12 10:08	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**90.2**	10.0	umhos/cm	1.00	05/22/12 10:08	EPA 9050A		BCS	B2E0699
Temperature	**14.9**	0.0	°C	1.00	05/22/12 10:08	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/22/12 10:08	Field Screen		BCS	B2E0699

Sample Number 2050651-05
Sample Description MW-1A collected on 05/22/12 10:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**62.69**	0.00	Ft	1.00	05/22/12 10:21	-		BCS	B2E0699

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-06
Sample Description MW-1A collected on 05/22/12 12:13

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.1**	0.1	pH Units	1.00	05/22/12 12:13	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**33.8**	10.0	umhos/cm	1.00	05/22/12 12:13	EPA 9050A		BCS	B2E0699
Temperature	**17.1**	0.0	°C	1.00	05/22/12 12:13	SM 2550B		BCS	B2E0699
Turbidity (Field)	**22.5**	5.0	NTU	1.00	05/22/12 12:13	Field Screen		BCS	B2E0699

Sample Number 2050651-07
Sample Description MW-10 collected on 05/22/12 12:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**36.29**	0.00	Ft	1.00	05/22/12 12:55	-		BCS	B2E0699

Sample Number 2050651-08
Sample Description MW-10 collected on 05/22/12 13:58

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.1**	0.1	pH Units	1.00	05/22/12 13:58	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**33.5**	10.0	umhos/cm	1.00	05/22/12 13:58	EPA 9050A		BCS	B2E0699
Temperature	**13.3**	0.0	°C	1.00	05/22/12 13:58	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/22/12 13:58	Field Screen		BCS	B2E0699

Sample Number 2050651-09
Sample Description MW-16D collected on 05/22/12 09:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**62.14**	0.00	Ft	1.00	05/22/12 09:25	-		BCS	B2E0699

Sample Number 2050651-10
Sample Description MW-16D collected on 05/22/12 14:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.8**	0.1	pH Units	1.00	05/22/12 14:50	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**1600**	10.0	umhos/cm	1.00	05/22/12 14:50	EPA 9050A		BCS	B2E0699
Temperature	**15.9**	0.0	°C	1.00	05/22/12 14:50	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/22/12 14:50	Field Screen		BCS	B2E0699

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LABORATORY SERVICES

Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050651 Reported: 07/10/12 16:31

Sample Number 2050651-11
Sample Description MW-16S collected on 05/22/12 15:13

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**57.91**	0.00	Ft	1.00	05/22/12 15:13	-		BCS	B2E0699

Sample Number 2050651-12
Sample Description MW-16S collected on 05/22/12 15:58

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.6**	0.1	pH Units	1.00	05/22/12 15:58	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**4770**	10.0	umhos/cm	1.00	05/22/12 15:58	EPA 9050A		BCS	B2E0699
Temperature	**15.0**	0.0	°C	1.00	05/22/12 15:58	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/22/12 15:58	Field Screen		BCS	B2E0699

Sample Number 2050651-13
Sample Description MW-2 collected on 05/22/12 08:41

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**4.00**	0.00	Ft	1.00	05/22/12 08:41	-		BCS	B2E0699

Sample Number 2050651-14
Sample Description MW-2 collected on 05/22/12 16:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**9.8**	0.1	pH Units	1.00	05/22/12 16:52	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**7690**	10.0	umhos/cm	1.00	05/22/12 16:52	EPA 9050A		BCS	B2E0699
Temperature	**15.1**	0.0	°C	1.00	05/22/12 16:52	SM 2550B		BCS	B2E0699
Turbidity (Field)	**14.1**	5.0	NTU	1.00	05/22/12 16:52	Field Screen		BCS	B2E0699

Sample Number 2050651-15
Sample Description MW-11 collected on 05/22/12 12:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**10.16**	0.00	Ft	1.00	05/22/12 12:37	-		BCS	B2E0699

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-16
Sample Description MW-11 collected on 05/22/12 17:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.3**	0.1	pH Units	1.00	05/22/12 17:40	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**63.1**	10.0	umhos/cm	1.00	05/22/12 17:40	EPA 9050A		BCS	B2E0699
Temperature	**14.0**	0.0	°C	1.00	05/22/12 17:40	SM 2550B		BCS	B2E0699
Turbidity (Field)	**17.4**	5.0	NTU	1.00	05/22/12 17:40	Field Screen		BCS	B2E0699

Sample Number 2050651-17
Sample Description MW-9 collected on 05/22/12 13:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**37.52**	0.00	Ft	1.00	05/22/12 13:10	-		BCS	B2E0699

Sample Number 2050651-18
Sample Description MW-9 collected on 05/22/12 18:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.2**	0.1	pH Units	1.00	05/22/12 18:12	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**38.2**	10.0	umhos/cm	1.00	05/22/12 18:12	EPA 9050A		BCS	B2E0699
Temperature	**15.1**	0.0	°C	1.00	05/22/12 18:12	SM 2550B		BCS	B2E0699
Turbidity (Field)	**11.8**	5.0	NTU	1.00	05/22/12 18:12	Field Screen		BCS	B2E0699

Sample Number 2050651-19
Sample Description MW-6 collected on 05/23/12 09:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**13.82**	0.00	Ft	1.00	05/23/12 09:31	-		BCS	B2E0699

Sample Number 2050651-20
Sample Description MW-6 collected on 05/23/12 09:57

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**5.5**	0.1	pH Units	1.00	05/23/12 09:57	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**474**	10.0	umhos/cm	1.00	05/23/12 09:57	EPA 9050A		BCS	B2E0699
Temperature	**14.0**	0.0	°C	1.00	05/23/12 09:57	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/23/12 09:57	Field Screen		BCS	B2E0699

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-21
Sample Description MW-13 collected on 05/23/12 10:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
Depth to Water	**18.76**	0.00	Ft	1.00	05/23/12 10:18	-		BCS	B2E0699

Sample Number 2050651-22
Sample Description MW-13 collected on 05/23/12 10:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Field Parameters									
pH	**6.7**	0.1	pH Units	1.00	05/23/12 10:38	EPA 9040C		BCS	B2E0699
Specific Conductance at 25 C	**2120**	10.0	umhos/cm	1.00	05/23/12 10:38	EPA 9050A		BCS	B2E0699
Temperature	**14.0**	0.0	°C	1.00	05/23/12 10:38	SM 2550B		BCS	B2E0699
Turbidity (Field)	ND	5.0	NTU	1.00	05/23/12 10:38	Field Screen		BCS	B2E0699

Sample Number 2050651-23
Sample Description MW-15 collected on 05/22/12 08:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Barium	**0.038**	0.010	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Calcium	**4.3**	0.050	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Chromium	ND	0.002	mg/L	1.00	05/24/12 14:29	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Iron	**0.13**	0.050	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Magnesium	**1.5**	0.050	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Manganese	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Nickel	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Potassium	**1.6**	0.10	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 16:38	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 14:29	EPA 200.8		LBH	B2E0677
Sodium	**2.9**	0.10	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 15:51	EPA 200.7		KFJ	B2E0692

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-24
Sample Description MW-15 collected on 05/22/12 08:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:23	EPA 245.1		MER	B2E0687

Sample Number 2050651-25
Sample Description MW-15 collected on 05/22/12 08:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.07**	1.00	mg/L	1.00	06/11/12 15:20	EPA 300.0		LBW	B2F0253
Fluoride	ND	0.10	mg/L	1.00	06/07/12 01:33	EPA 300.0	S1	LBW	B2F0164
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:00	SM 4500NO2B		REH	B2E0657
Sulfate	ND	1.00	mg/L	1.00	06/07/12 01:33	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**57.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721

Sample Number 2050651-26
Sample Description MW-15 collected on 05/22/12 08:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277

Sample Number 2050651-27
Sample Description MW-15 collected on 05/22/12 08:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	ND	1.00	mg/L	1.00	06/04/12 21:22	SM 5310C		JLF	B2E0775

Sample Number 2050651-29
Sample Description MW-15 collected on 05/22/12 08:56

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**0.31**	0.10	mg/L	1.00	05/25/12 12:31	SM 4500NO3H		REH	B2E0728

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-30
Sample Description MW-20 collected on 05/22/12 10:10

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**2.71**	1.00	mg/L	1.00	06/11/12 15:41	EPA 300.0		LBW	B2F0253
Fluoride	ND	0.10	mg/L	1.00	06/01/12 21:37	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/25/12 12:31	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:00	SM 4500NO2B		REH	B2E0657
Sulfate	**15.7**	2.00	mg/L	2.00	06/08/12 19:03	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**79.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	ND	1.00	mg/L	1.00	06/04/12 21:39	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Barium	ND	0.010	mg/L	1.00	05/24/12 15:48	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Calcium	**4.1**	0.050	mg/L	1.00	05/24/12 15:48	EPA 200.7		KFJ	B2E0692
Chromium	ND	0.002	mg/L	1.00	05/24/12 13:53	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Iron	**5.5**	0.25	mg/L	5.00	05/24/12 15:27	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Magnesium	**2.0**	0.050	mg/L	1.00	05/24/12 15:48	EPA 200.7		KFJ	B2E0692
Manganese	**0.019**	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:26	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Potassium	**2.6**	0.10	mg/L	1.00	05/24/12 15:48	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 16:02	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 13:53	EPA 200.8		LBH	B2E0677
Sodium	**5.2**	0.50	mg/L	5.00	05/24/12 15:27	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 15:48	EPA 200.7		KFJ	B2E0692

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-32
Sample Description MW-1A collected on 05/22/12 12:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	06/11/12 16:02	EPA 300.0		LBW	B2F0253
Fluoride	ND	0.10	mg/L	1.00	06/07/12 04:33	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	05/25/12 12:38	SM 4500NO3H		REH	B2E0728
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:32	SM 4500NO2B		REH	B2E0657
Sulfate	ND	1.00	mg/L	1.00	06/07/12 04:33	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**46.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	ND	1.00	mg/L	1.00	06/04/12 21:56	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Barium	**0.073**	0.010	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Cadmium	ND	0.001	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Calcium	**2.6**	0.050	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Chromium	**0.007**	0.002	mg/L	1.00	05/24/12 15:05	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Iron	**0.90**	0.050	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Lead	ND	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Magnesium	**1.2**	0.050	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Manganese	**0.009**	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:29	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Potassium	**1.4**	0.10	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Selenium	ND	0.005	mg/L	1.00	05/23/12 17:26	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 15:05	EPA 200.8		LBH	B2E0677
Sodium	**2.3**	0.10	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702
Zinc	**0.025**	0.020	mg/L	1.00	05/24/12 16:51	EPA 200.7		KFJ	B2E0702

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-34
Sample Description MW-10 collected on 05/22/12 14:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	06/14/12 17:46	EPA 300.0		LBW	B2F0400
Fluoride	ND	0.10	mg/L	1.00	06/07/12 05:03	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:27	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:05	SM 4500NO2B		REH	B2E0657
Sulfate	**1.92**	1.00	mg/L	1.00	06/07/12 05:03	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**39.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	ND	1.00	mg/L	1.00	06/04/12 22:13	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/12/12 10:00	EPA 420.1		JLF	B2F0347
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Barium	**0.013**	0.010	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Calcium	**2.3**	0.050	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Chromium	ND	0.002	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Copper	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Iron	**0.32**	0.050	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Magnesium	**1.7**	0.050	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Manganese	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:31	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Potassium	**1.1**	0.10	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Silver	ND	0.002	mg/L	1.00	05/24/12 16:13	EPA 200.8		LBH	B2E0705
Sodium	**1.6**	0.10	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 15:46	EPA 200.7		KFJ	B2E0692

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ROGERS & CALLCOTT
LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-36
Sample Description MW-16D collected on 05/22/12 14:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Barium	**0.18**	0.010	mg/L	1.00	05/24/12 16:12	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Calcium	**250**	5.0	mg/L	100	05/24/12 15:12	EPA 200.7		KFJ	B2E0692
Chromium	**0.003**	0.002	mg/L	1.00	05/24/12 15:23	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Iron	**2.9**	0.050	mg/L	1.00	05/24/12 16:12	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Magnesium	**37**	1.2	mg/L	25.0	05/24/12 15:17	EPA 200.7		KFJ	B2E0692
Manganese	**5.1**	0.25	mg/L	25.0	05/24/12 15:17	EPA 200.7		KFJ	B2E0692
Nickel	**0.007**	0.005	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Potassium	**25**	0.10	mg/L	1.00	05/24/12 16:12	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 18:08	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 15:23	EPA 200.8		LBH	B2E0677
Sodium	**48**	2.5	mg/L	25.0	05/24/12 15:17	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 16:12	EPA 200.7		KFJ	B2E0692

Sample Number 2050651-37
Sample Description MW-16D collected on 05/22/12 14:57

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:40	EPA 245.1		MER	B2E0687

Sample Number 2050651-38
Sample Description MW-16D collected on 05/22/12 14:58

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**80.4**	10.0	mg/L	10.0	06/08/12 03:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.20	mg/L	2.00	06/01/12 21:58	EPA 300.0	X	LBW	B2F0058
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:32	SM 4500NO2B		REH	B2E0657
Sulfate	**48.8**	10.0	mg/L	10.0	06/08/12 03:03	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**1040**	250	mg/L	10.0	05/25/12 14:20	SM 2540C		LDS	B2E0721

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-39
Sample Description MW-16D collected on 05/22/12 15:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/12/12 10:00	EPA 420.1		JLF	B2F0347

Sample Number 2050651-40
Sample Description MW-16D collected on 05/22/12 15:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**10.9**	2.00	mg/L	2.00	06/04/12 22:33	SM 5310C		JLF	B2E0775

Sample Number 2050651-42
Sample Description MW-16D collected on 05/22/12 15:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:27	SM 4500NO3H		REH	B2F0016

Sample Number 2050651-43
Sample Description MW-16S collected on 05/22/12 16:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Barium	**0.61**	0.010	mg/L	1.00	05/24/12 16:21	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Calcium	**170**	2.5	mg/L	50.0	05/24/12 15:15	EPA 200.7		KFJ	B2E0692
Chromium	**0.004**	0.002	mg/L	1.00	05/24/12 15:31	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Iron	**15**	0.50	mg/L	10.0	05/24/12 15:22	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Magnesium	**86**	2.5	mg/L	50.0	05/24/12 15:15	EPA 200.7		KFJ	B2E0692
Manganese	**9.8**	0.10	mg/L	10.0	05/24/12 15:22	EPA 200.7		KFJ	B2E0692
Nickel	**0.037**	0.005	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Potassium	**16**	0.10	mg/L	1.00	05/24/12 16:21	EPA 200.7		KFJ	B2E0692
Selenium	**0.005**	0.005	mg/L	1.00	05/23/12 18:26	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 15:31	EPA 200.8		LBH	B2E0677
Sodium	**1100**	50	mg/L	500	05/24/12 15:00	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 16:21	EPA 200.7		KFJ	B2E0692

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-44
Sample Description MW-16S collected on 05/22/12 16:03

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:43	EPA 245.1		MER	B2E0687

Sample Number 2050651-45
Sample Description MW-16S collected on 05/22/12 16:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**253**	50.0	mg/L	50.0	06/15/12 15:01	EPA 300.0	S1	LBW	B2F0401
Fluoride	ND	0.20	mg/L	2.00	06/01/12 22:19	EPA 300.0	X	LBW	B2F0058
Nitrite as N	ND	0.050	mg/L	5.00	05/23/12 16:27	SM 4500NO2B	X	REH	B2E0657
Total Dissolved Solids	**3410**	250	mg/L	10.0	05/25/12 14:20	SM 2540C		LDS	B2E0721
Rebatch Sample Number: 2050651-45RE1									
Sulfate	**35.2**	10.0	mg/L	10.0	06/15/12 17:56	EPA 300.0		LBW	B2F0401

Sample Number 2050651-46
Sample Description MW-16S collected on 05/22/12 16:13

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.010	mg/L	2.00	06/18/12 09:05	EPA 420.1		JLF	B2F0421

Sample Number 2050651-47
Sample Description MW-16S collected on 05/22/12 16:17

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**111**	25.0	mg/L	25.0	06/13/12 11:51	SM 5310C		JLF	B2F0248

Sample Number 2050651-49
Sample Description MW-16S collected on 05/22/12 16:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	**0.12**	0.10	mg/L	1.00	06/01/12 11:38	SM 4500NO3H		REH	B2F0016

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-50
Sample Description MW-2 collected on 05/22/12 16:52

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**177**	50.0	mg/L	50.0	06/08/12 03:33	EPA 300.0		LBW	B2F0212
Fluoride	**6.92**	1.00	mg/L	10.0	06/01/12 22:40	EPA 300.0	X	LBW	B2F0058
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 11:50	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.100	mg/L	10.0	05/23/12 16:24	SM 4500NO2B	X	REH	B2E0657
Sulfate	**144**	50.0	mg/L	50.0	06/08/12 03:33	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**5740**	250	mg/L	10.0	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	**161**	25.0	mg/L	25.0	06/13/12 12:16	SM 5310C		JLF	B2F0248
Total Recoverable Phenols	ND	0.010	mg/L	2.00	06/18/12 09:05	EPA 420.1		JLF	B2F0421
Total Metals									
Arsenic	**0.018**	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Barium	ND	0.010	mg/L	1.00	05/24/12 16:24	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.002	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Calcium	**3.3**	0.050	mg/L	1.00	05/24/12 16:24	EPA 200.7		KFJ	B2E0692
Chromium	**0.018**	0.004	mg/L	2.00	05/24/12 15:11	EPA 200.8	X	LBH	B2E0677
Copper	ND	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Iron	**1.6**	0.050	mg/L	1.00	05/24/12 16:24	EPA 200.7		KFJ	B2E0692
Lead	ND	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Magnesium	**0.16**	0.050	mg/L	1.00	05/24/12 16:24	EPA 200.7		KFJ	B2E0692
Manganese	**0.025**	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:45	EPA 245.1		MER	B2E0687
Nickel	**0.094**	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Potassium	**59**	0.50	mg/L	5.00	05/24/12 15:29	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.010	mg/L	2.00	05/23/12 17:50	EPA 200.8	X	LBH	B2E0677
Silver	ND	0.004	mg/L	2.00	05/24/12 15:11	EPA 200.8	X	LBH	B2E0677
Sodium	**2200**	100	mg/L	1,000	05/24/12 14:58	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 16:24	EPA 200.7		KFJ	B2E0692

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-52
Sample Description MW-11 collected on 05/22/12 17:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**1.16**	1.00	mg/L	1.00	06/14/12 18:07	EPA 300.0		LBW	B2F0400
Fluoride	ND	0.10	mg/L	1.00	06/01/12 23:01	EPA 300.0		LBW	B2F0058
Nitrate-Nitrite as N	**0.13**	0.10	mg/L	1.00	06/01/12 10:38	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:32	SM 4500NO2B		REH	B2E0657
Sulfate	**12.4**	2.00	mg/L	2.00	06/08/12 20:33	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**41.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	ND	1.00	mg/L	1.00	06/04/12 22:55	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/18/12 09:05	EPA 420.1		JLF	B2F0421
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Barium	**0.028**	0.010	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Calcium	**2.1**	0.050	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Chromium	ND	0.002	mg/L	1.00	05/24/12 14:23	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Iron	**0.73**	0.050	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Magnesium	**3.2**	0.050	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Manganese	**0.007**	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:06	EPA 245.1		MER	B2F0034
Nickel	ND	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Potassium	**1.6**	0.10	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 16:32	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 14:23	EPA 200.8		LBH	B2E0677
Sodium	**1.6**	0.10	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 15:43	EPA 200.7		KFJ	B2E0692

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-54
Sample Description MW-9 collected on 05/22/12 18:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	ND	1.00	mg/L	1.00	06/14/12 18:28	EPA 300.0		LBW	B2F0400
Fluoride	ND	0.10	mg/L	1.00	06/07/12 05:33	EPA 300.0		LBW	B2F0164
Nitrate-Nitrite as N	**0.63**	0.10	mg/L	1.00	06/01/12 10:38	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:05	SM 4500NO2B		REH	B2E0657
Sulfate	**2.06**	1.00	mg/L	1.00	06/07/12 05:33	EPA 300.0		LBW	B2F0164
Total Dissolved Solids	**38.0**	25.0	mg/L	1.00	05/25/12 14:20	SM 2540C		LDS	B2E0721
Total Organic Carbon	**4.77**	1.00	mg/L	1.00	06/04/12 23:52	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Barium	ND	0.010	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Calcium	**2.1**	0.050	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692
Chromium	ND	0.002	mg/L	1.00	05/24/12 14:35	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Iron	ND	0.050	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Magnesium	**1.1**	0.050	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692
Manganese	**0.006**	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Mercury	ND	0.00020	mg/L	1.00	05/25/12 10:48	EPA 245.1		MER	B2E0687
Nickel	ND	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Potassium	**1.7**	0.10	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 17:02	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 14:35	EPA 200.8		LBH	B2E0677
Sodium	**1.8**	0.10	mg/L	1.00	05/24/12 15:57	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 14:43	EPA 200.7		KFJ	B2E0692

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-56
Sample Description MW-6 collected on 05/23/12 09:59

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**70.2**	10.0	mg/L	10.0	06/08/12 04:03	EPA 300.0		LBW	B2F0212
Fluoride	ND	0.20	mg/L	2.00	06/01/12 23:23	EPA 300.0	X	LBW	B2F0058
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:38	SM 4500NO3H		REH	B2F0016
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:08	SM 4500NO2B		REH	B2E0657
Sulfate	**42.7**	10.0	mg/L	10.0	06/08/12 04:03	EPA 300.0		LBW	B2F0212
Total Dissolved Solids	**296**	50.0	mg/L	2.00	05/30/12 15:35	SM 2540C		LDS	B2E0786
Total Organic Carbon	ND	1.00	mg/L	1.00	06/05/12 00:17	SM 5310C		JLF	B2E0775
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/07/12 09:30	EPA 420.1		KFJ	B2F0277
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Barium	**0.12**	0.010	mg/L	1.00	05/24/12 16:09	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Calcium	**33**	0.50	mg/L	10.0	05/24/12 15:24	EPA 200.7		KFJ	B2E0692
Chromium	**0.003**	0.002	mg/L	1.00	05/24/12 14:59	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Iron	**0.34**	0.050	mg/L	1.00	05/24/12 16:09	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Magnesium	**23**	0.50	mg/L	10.0	05/24/12 15:24	EPA 200.7		KFJ	B2E0692
Manganese	**4.9**	0.10	mg/L	10.0	05/24/12 15:24	EPA 200.7		KFJ	B2E0692
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:09	EPA 245.1		MER	B2F0034
Nickel	**0.016**	0.005	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Potassium	**5.7**	0.10	mg/L	1.00	05/24/12 16:09	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 17:20	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 14:59	EPA 200.8		LBH	B2E0677
Sodium	**20**	1.0	mg/L	10.0	05/24/12 15:24	EPA 200.7		KFJ	B2E0692
Zinc	**0.038**	0.020	mg/L	1.00	05/24/12 16:09	EPA 200.7		KFJ	B2E0692

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-58
Sample Description MW-13 collected on 05/23/12 10:39

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Arsenic	ND	0.005	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Barium	**0.014**	0.010	mg/L	1.00	05/24/12 16:15	EPA 200.7		KFJ	B2E0692
Cadmium	ND	0.001	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Calcium	**11**	0.25	mg/L	5.00	05/24/12 15:39	EPA 200.7		KFJ	B2E0692
Chromium	**0.003**	0.002	mg/L	1.00	05/24/12 14:53	EPA 200.8		LBH	B2E0677
Copper	ND	0.005	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Iron	**0.087**	0.050	mg/L	1.00	05/24/12 16:15	EPA 200.7		KFJ	B2E0692
Lead	ND	0.005	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Magnesium	**7.4**	0.25	mg/L	5.00	05/24/12 15:39	EPA 200.7		KFJ	B2E0692
Manganese	**1.6**	0.010	mg/L	1.00	05/24/12 16:15	EPA 200.7		KFJ	B2E0692
Nickel	ND	0.005	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Potassium	**4.7**	0.10	mg/L	1.00	05/24/12 16:15	EPA 200.7		KFJ	B2E0692
Selenium	ND	0.005	mg/L	1.00	05/23/12 17:08	EPA 200.8		LBH	B2E0677
Silver	ND	0.002	mg/L	1.00	05/24/12 14:53	EPA 200.8		LBH	B2E0677
Sodium	**450**	20	mg/L	200	05/24/12 15:10	EPA 200.7		KFJ	B2E0692
Zinc	ND	0.020	mg/L	1.00	05/24/12 16:15	EPA 200.7		KFJ	B2E0692

Sample Number 2050651-59
Sample Description MW-13 collected on 05/23/12 10:43

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Total Metals									
Mercury	ND	0.00020	mg/L	1.00	06/04/12 11:12	EPA 245.1		MER	B2F0034

Sample Number 2050651-60
Sample Description MW-13 collected on 05/23/12 10:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Chloride	**39.2**	10.0	mg/L	10.0	06/11/12 13:14	EPA 300.0		LBW	B2F0253
Fluoride	ND	1.00	mg/L	10.0	06/01/12 23:44	EPA 300.0	X	LBW	B2F0058
Nitrite as N	ND	0.010	mg/L	1.00	05/23/12 15:08	SM 4500NO2B		REH	B2E0657
Sulfate	**640**	250	mg/L	250	06/08/12 21:33	EPA 300.0		LBW	B2F0213
Total Dissolved Solids	**1490**	250	mg/L	10.0	05/25/12 14:20	SM 2540C		LDS	B2E0721

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-61
Sample Description MW-13 collected on 05/23/12 10:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Recoverable Phenols	ND	0.005	mg/L	1.00	06/19/12 09:15	EPA 420.1		JLF	B2F0434

Sample Number 2050651-62
Sample Description MW-13 collected on 05/23/12 11:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Total Organic Carbon	**2.20**	1.00	mg/L	1.00	06/05/12 01:22	SM 5310C		JLF	B2E0775

Sample Number 2050651-64
Sample Description MW-13 collected on 05/23/12 11:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
General Chemistry Parameters									
Nitrate-Nitrite as N	ND	0.10	mg/L	1.00	06/01/12 10:38	SM 4500NO3H		REH	B2F0016

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Subcontracted Analyses

Sample Number 2050651-28
Sample Description MW-15 collected on 05/22/12 08:53

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-31
Sample Description MW-20 collected on 05/22/12 10:10

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-33
Sample Description MW-1A collected on 05/22/12 12:15

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-35
Sample Description MW-10 collected on 05/22/12 14:00

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-41
Sample Description MW-16D collected on 05/22/12 15:18

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716		Project: Work Order: Reported:	MW and SW 2050651 07/10/12 16:31

Sample Number 2050651-48
Sample Description MW-16S collected on 05/22/12 16:19

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-51
Sample Description MW-2 collected on 05/22/12 16:52

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-53
Sample Description MW-11 collected on 05/22/12 17:40

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-55
Sample Description MW-9 collected on 05/22/12 18:12

Parameter

Subcontract TOH

These analyses were subcontracted to Test America. The subcontracted results are available at the end of the report.

Sample Number 2050651-57
Sample Description MW-6 collected on 05/23/12 09:59

Parameter

Subcontract TOH

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Number 2050651-63
Sample Description MW-13 collected on 05/23/12 11:02

Parameter

Subcontract TOH

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0657 - General Prep - Wet Chem										
Blank (B2E0657-BLK1)										
Nitrite as N	ND	0.010	mg/L							
LCS (B2E0657-BS1)										
Nitrite as N	0.521	0.010	mg/L	0.500		104	90-110			
Duplicate (B2E0657-DUP1)	**Source: 2050651-25**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Duplicate (B2E0657-DUP2)	**Source: 2050651-30**									
Nitrite as N	ND	0.010	mg/L		ND				25	
Matrix Spike (B2E0657-MS1)	**Source: 2050651-25**									
Nitrite as N	0.253	0.010	mg/L	0.250	ND	101	80-120			
Matrix Spike (B2E0657-MS2)	**Source: 2050651-30**									
Nitrite as N	0.260	0.010	mg/L	0.250	ND	104	80-120			
Batch B2E0721 - General Prep - Solids										
Blank (B2E0721-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							
Duplicate (B2E0721-DUP1)	**Source: 2050651-50**									
Total Dissolved Solids	5810	250	mg/L		5740			1	15	
Batch B2E0728 - General Prep - Wet Chem										
Blank (B2E0728-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B2E0728-BS1)										
Nitrate-Nitrite as N	2.04	0.10	mg/L	2.00		102	90-110			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0728 - General Prep - Wet Chem										
Duplicate (B2E0728-DUP1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	1.39	0.10	mg/L		1.46			5	25	
Duplicate (B2E0728-DUP2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	0.44	0.10	mg/L		0.42			3	25	
Matrix Spike (B2E0728-MS1)	**Source: 2050604-15**									
Nitrate-Nitrite as N	2.71	0.10	mg/L	1.25	1.46	100	80-120			
Matrix Spike (B2E0728-MS2)	**Source: 2050604-16**									
Nitrate-Nitrite as N	1.72	0.10	mg/L	1.25	0.42	103	80-120			
Batch B2E0775 - General Prep - Wet Chem										
Blank (B2E0775-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B2E0775-BS1)										
Total Organic Carbon	3.96		mg/L	4.00		99	90-110			
Matrix Spike (B2E0775-MS1)	**Source: 2050678-07**									
Total Organic Carbon	3.87		mg/L	3.75	ND	96	80-115			
Matrix Spike (B2E0775-MS2)	**Source: 2050651-56**									
Total Organic Carbon	4.44		mg/L	3.75	ND	96	80-115			
Matrix Spike Dup (B2E0775-MSD1)	**Source: 2050678-07**									
Total Organic Carbon	3.83		mg/L	3.75	ND	94	80-115	1	15	
Matrix Spike Dup (B2E0775-MSD2)	**Source: 2050651-56**									
Total Organic Carbon	4.42		mg/L	3.75	ND	96	80-115	0.6	15	
Batch B2E0786 - General Prep - Solids										
Blank (B2E0786-BLK1)										
Total Dissolved Solids	ND	25.0	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0786 - General Prep - Solids										
LCS (B2E0786-BS1)										
Total Dissolved Solids	518	25.0	mg/L	517		100	80-120			
Duplicate (B2E0786-DUP1)	**Source: 2050668-29**									
Total Dissolved Solids	70.0	25.0	mg/L		69.0			1	15	
Batch B2F0016 - General Prep - Wet Chem										
Blank (B2F0016-BLK1)										
Nitrate-Nitrite as N	ND	0.10	mg/L							
LCS (B2F0016-BS1)										
Nitrate-Nitrite as N	1.96	0.10	mg/L	2.00		98	90-110			
Duplicate (B2F0016-DUP1)	**Source: 2050651-34**									
Nitrate-Nitrite as N	0.10	0.10	mg/L		ND			8	25	
Duplicate (B2F0016-DUP2)	**Source: 2050668-26**									
Nitrate-Nitrite as N	ND	0.10	mg/L		ND				25	
Matrix Spike (B2F0016-MS1)	**Source: 2050651-34**									
Nitrate-Nitrite as N	1.27	0.10	mg/L	1.25	ND	94	80-120			
Matrix Spike (B2F0016-MS2)	**Source: 2050668-26**									
Nitrate-Nitrite as N	1.16	0.10	mg/L	1.25	ND	88	80-120			
Batch B2F0058 - General Prep - IC										
Blank (B2F0058-BLK1)										
Fluoride	ND	0.10	mg/L							
LCS (B2F0058-BS1)										
Fluoride	0.48	0.10	mg/L	0.500		96	90-110			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0058 - General Prep - IC										
Duplicate (B2F0058-DUP1)	**Source: 2050604-11**									
Fluoride	ND	0.10	mg/L		ND				20	
Duplicate (B2F0058-DUP2)	**Source: 2050604-18**									
Fluoride	ND	0.10	mg/L		ND				20	
Matrix Spike (B2F0058-MS1)	**Source: 2050604-11**									
Fluoride	0.30	0.10	mg/L	0.300	ND	99	90-110			
Matrix Spike (B2F0058-MS2)	**Source: 2050604-18**									
Fluoride	0.34	0.10	mg/L	0.300	ND	95	90-110			
Batch B2F0164 - General Prep - IC										
Blank (B2F0164-BLK1)										
Fluoride	ND	0.10	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0164-BS1)										
Fluoride	0.50	0.10	mg/L	0.500		100	90-110			
Sulfate	4.89	1.00	mg/L	5.00		98	90-110			
Duplicate (B2F0164-DUP1)	**Source: 2050605-11**									
Fluoride	0.10	0.10	mg/L		0.10			0	20	
Sulfate	3.38	1.00	mg/L		3.39			0.3	20	
Duplicate (B2F0164-DUP2)	**Source: 2050651-25**									
Fluoride	ND	0.10	mg/L		ND				20	
Sulfate	ND	1.00	mg/L		ND				20	
Matrix Spike (B2F0164-MS1)	**Source: 2050605-11**									
Fluoride	0.38	0.10	mg/L	0.300	0.10	93	90-110			
Sulfate	6.38	1.00	mg/L	3.00	3.39	100	90-110			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0164 - General Prep - IC										
Matrix Spike (B2F0164-MS2)	**Source: 2050651-25**									
Fluoride	0.37	0.10	mg/L	0.300	ND	116	90-110			S1
Sulfate	3.65	1.00	mg/L	3.00	ND	93	90-110			
Batch B2F0212 - General Prep - IC										
Blank (B2F0212-BLK1)										
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0212-BS1)										
Chloride	4.68	1.00	mg/L	5.00		94	90-110			
Sulfate	4.82	1.00	mg/L	5.00		96	90-110			
Duplicate (B2F0212-DUP1)	**Source: 2050604-11**									
Chloride	6.68	1.00	mg/L		6.66			0.3	20	
Sulfate	ND	1.00	mg/L		ND				20	
Duplicate (B2F0212-DUP2)	**Source: 2050605-21**									
Chloride	11.3	2.00	mg/L		11.5			2	20	
Sulfate	3.25	2.00	mg/L		3.39			4	20	
Matrix Spike (B2F0212-MS1)	**Source: 2050604-11**									
Chloride	9.31	1.00	mg/L	3.00	6.66	88	90-110			S1
Sulfate	3.33	1.00	mg/L	3.00	ND	91	90-110			
Matrix Spike (B2F0212-MS2)	**Source: 2050605-21**									
Chloride	17.5	2.00	mg/L	6.00	11.5	100	90-110			
Sulfate	8.92	2.00	mg/L	6.00	3.39	92	90-110			
Batch B2F0213 - General Prep - IC										
Blank (B2F0213-BLK1)										
Sulfate	ND	1.00	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0213 - General Prep - IC										
LCS (B2F0213-BS1)										
Sulfate	4.83	1.00	mg/L	5.00		97	90-110			
Duplicate (B2F0213-DUP1)	**Source: 2050651-30**									
Sulfate	15.3	2.00	mg/L		15.7			2	20	
Duplicate (B2F0213-DUP2)	**Source: 2050651-60**									
Sulfate	639	250	mg/L		640			0.2	20	
Matrix Spike (B2F0213-MS1)	**Source: 2050651-30**									
Sulfate	21.6	2.00	mg/L	6.00	15.7	98	90-110			
Matrix Spike (B2F0213-MS2)	**Source: 2050651-60**									
Sulfate	1330	250	mg/L	750	640	92	90-110			
Batch B2F0248 - General Prep - Wet Chem										
Blank (B2F0248-BLK1)										
Total Organic Carbon	ND	1.00	mg/L							
LCS (B2F0248-BS1)										
Total Organic Carbon	5.26		mg/L	5.00		105	90-110			
Matrix Spike (B2F0248-MS1)	**Source: 2050686-07**									
Total Organic Carbon	5.90		mg/L	3.75	1.93	106	80-115			
Matrix Spike Dup (B2F0248-MSD1)	**Source: 2050686-07**									
Total Organic Carbon	6.07		mg/L	3.75	1.93	110	80-115	3	15	
Batch B2F0253 - General Prep - IC										
Blank (B2F0253-BLK1)										
Chloride	ND	1.00	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0253 - General Prep - IC										
LCS (B2F0253-BS1)										
Chloride	4.69	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0253-DUP1)	**Source: 2050651-60**									
Chloride	37.7	10.0	mg/L		39.2			4	20	
Matrix Spike (B2F0253-MS1)	**Source: 2050651-60**									
Chloride	69.1	10.0	mg/L	30.0	39.2	100	90-110			
Batch B2F0277 - General Prep - Wet Chem										
Blank (B2F0277-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2F0277-BS1)										
Total Recoverable Phenols	0.036	0.005	mg/L	0.0400		90	90-110			
Duplicate (B2F0277-DUP1)	**Source: 2050687-06**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0277-MS1)	**Source: 2050687-06**									
Total Recoverable Phenols	0.024	0.005	mg/L	0.0400	ND	61	75-125			S1
Batch B2F0347 - General Prep - Wet Chem										
Blank (B2F0347-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
Duplicate (B2F0347-DUP1)	**Source: 2050605-15**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0347-MS1)	**Source: 2050605-15**									
Total Recoverable Phenols	0.027	0.005	mg/L	0.0400	ND	68	75-125			S1

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0400 - General Prep - IC										
Blank (B2F0400-BLK1)										
Chloride	ND	1.00	mg/L							
LCS (B2F0400-BS1)										
Chloride	4.72	1.00	mg/L	5.00		94	90-110			
Duplicate (B2F0400-DUP1) Source: 2050668-15										
Chloride	67.4	10.0	mg/L		69.4			3	20	
Matrix Spike (B2F0400-MS1) Source: 2050668-15										
Chloride	95.8	10.0	mg/L	30.0	69.4	88	90-110			S1
Batch B2F0401 - General Prep - IC										
Blank (B2F0401-BLK1)										
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B2F0401-BS1)										
Chloride	4.84	1.00	mg/L	5.00		97	90-110			
Sulfate	4.90	1.00	mg/L	5.00		98	90-110			
Duplicate (B2F0401-DUP1) Source: 2050651-45										
Chloride	228	50.0	mg/L		253			10	20	
Sulfate	ND	50.0	mg/L		ND				20	
Matrix Spike (B2F0401-MS1) Source: 2050651-45										
Chloride	377	50.0	mg/L	150	253	83	90-110			S1
Sulfate	183	50.0	mg/L	150	ND	92	90-110			
Batch B2F0421 - General Prep - Wet Chem										
Blank (B2F0421-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							

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Blue Ridge Paper Products 175 Main Street Canton, NC 28716	Project: MW and SW Work Order: 2050651 Reported: 07/10/12 16:31

General Chemistry Parameters
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2F0421 - General Prep - Wet Chem										
Duplicate (B2F0421-DUP1)	**Source: 2050651-50**									
Total Recoverable Phenols	ND	0.010	mg/L		ND				20	
Matrix Spike (B2F0421-MS1)	**Source: 2050651-46**									
Total Recoverable Phenols	0.043		mg/L	0.0400	ND	107	75-125			
Batch B2F0434 - General Prep - Wet Chem										
Blank (B2F0434-BLK1)										
Total Recoverable Phenols	ND	0.005	mg/L							
LCS (B2F0434-BS1)										
Total Recoverable Phenols	0.040	0.005	mg/L	0.0400		100	90-110			
Duplicate (B2F0434-DUP1)	**Source: 2050651-61**									
Total Recoverable Phenols	ND	0.005	mg/L		ND				20	
Matrix Spike (B2F0434-MS1)	**Source: 2050668-29**									
Total Recoverable Phenols	0.037	0.005	mg/L	0.0400	ND	92	75-125			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0677 - SM 3030C - ICP-MS										
Blank (B2E0677-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.001	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							
LCS (B2E0677-BS1)										
Arsenic	0.020	0.005	mg/L	0.0200		101	85-115			
Cadmium	0.021	0.001	mg/L	0.0200		104	85-115			
Chromium	0.020	0.002	mg/L	0.0200		102	85-115			
Copper	0.021	0.005	mg/L	0.0200		103	85-115			
Lead	0.020	0.005	mg/L	0.0200		100	85-115			
Manganese	0.020	0.005	mg/L	0.0200		102	85-115			
Nickel	0.021	0.005	mg/L	0.0200		103	85-115			
Selenium	0.020	0.005	mg/L	0.0200		101	85-115			
Silver	0.020	0.002	mg/L	0.0200		100	85-115			
Matrix Spike (B2E0677-MS1)	**Source: 2050651-30**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	103	70-130			
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130			
Chromium	0.021	0.002	mg/L	0.0200	ND	103	70-130			
Copper	0.020	0.005	mg/L	0.0200	ND	101	70-130			
Lead	0.020	0.005	mg/L	0.0200	ND	99.2	70-130			
Manganese	0.039	0.005	mg/L	0.0200	0.019	100	70-130			
Nickel	0.021	0.005	mg/L	0.0200	ND	102	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	95	70-130			
Silver	0.020	0.002	mg/L	0.0200	ND	101	70-130			
Matrix Spike Dup (B2E0677-MSD1)	**Source: 2050651-30**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	104	70-130	1	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	104	70-130	0.5	20	
Chromium	0.021	0.002	mg/L	0.0200	ND	103	70-130	0.3	20	
Copper	0.021	0.005	mg/L	0.0200	ND	102	70-130	1	20	

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0677 - SM 3030C - ICP-MS										
Matrix Spike Dup (B2E0677-MSD1)	**Source: 2050651-30**									
Lead	0.020	0.005	mg/L	0.0200	ND	99.8	70-130	0.652	20	
Manganese	0.039	0.005	mg/L	0.0200	0.019	102	70-130	0.9	20	
Nickel	0.021	0.005	mg/L	0.0200	ND	102	70-130	0.4	20	
Selenium	0.022	0.005	mg/L	0.0200	ND	101	70-130	6	20	
Silver	0.020	0.002	mg/L	0.0200	ND	102	70-130	0.9	20	
Post Spike (B2E0677-PS1)	**Source: 2050651-30**									
Arsenic	0.026		mg/L	0.0250	ND	102	75-125			
Cadmium	0.026		mg/L	0.0250	ND	104	75-125			
Chromium	0.026		mg/L	0.0250	ND	100	75-125			
Copper	0.026		mg/L	0.0250	ND	101	75-125			
Lead	0.025		mg/L	0.0250	ND	100	75-125			
Manganese	0.045		mg/L	0.0250	0.019	103	75-125			
Nickel	0.026		mg/L	0.0250	ND	102	75-125			
Selenium	0.027		mg/L	0.0250	ND	103	75-125			
Silver	0.025		mg/L	0.0250	ND	98	75-125			
Batch B2E0687 - EPA 245.1										
Blank (B2E0687-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B2E0687-BS1)										
Mercury	0.0020	0.00020	mg/L	0.00200		102	85-115			
Duplicate (B2E0687-DUP1)	**Source: 2050604-10**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B2E0687-DUP2)	**Source: 2050605-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B2E0687-MS1)	**Source: 2050604-10**									
Mercury	0.0049	0.00020	mg/L	0.00500	ND	98	70-130			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0687 - EPA 245.1										
Matrix Spike (B2E0687-MS2)	**Source: 2050605-21**									
Mercury	0.0048	0.00020	mg/L	0.00500	ND	96	70-130			
Batch B2E0692 - SM 3030C - ICP										
Blank (B2E0692-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Potassium	ND	0.10	mg/L							
Sodium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B2E0692-BS1)										
Barium	0.52	0.010	mg/L	0.500		105	85-115			
Calcium	0.52	0.050	mg/L	0.500		104	85-115			
Iron	0.51	0.050	mg/L	0.500		102	85-115			
Magnesium	0.51	0.050	mg/L	0.500		103	85-115			
Manganese	0.52	0.010	mg/L	0.500		103	85-115			
Potassium	5.2	0.10	mg/L	5.00		104	85-115			
Sodium	0.55	0.10	mg/L	0.500		111	85-115			
Zinc	0.51	0.020	mg/L	0.500		103	85-115			
Duplicate (B2E0692-DUP1)	**Source: 2050651-54**									
Barium	ND	0.010	mg/L		ND				20	
Calcium	2.1	0.050	mg/L		2.1			0.2	20	
Iron	ND	0.050	mg/L		ND				20	
Magnesium	1.1	0.050	mg/L		1.1			3	20	
Manganese	ND	0.010	mg/L		ND				20	
Potassium	1.7	0.10	mg/L		1.7			3	20	
Sodium	1.8	0.10	mg/L		1.8			0.5	20	
Zinc	0.027	0.020	mg/L		ND			76	20	P3

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0692 - SM 3030C - ICP										
Matrix Spike (B2E0692-MS1)	**Source: 2050651-54**									
Barium	0.54	0.010	mg/L	0.500	ND	107	70-130			
Calcium	2.6	0.050	mg/L	0.500	2.1	99	70-130			
Iron	0.55	0.050	mg/L	0.500	ND	104	70-130			
Magnesium	1.6	0.050	mg/L	0.500	1.1	101	70-130			
Manganese	0.54	0.010	mg/L	0.500	ND	106	70-130			
Potassium	6.9	0.10	mg/L	5.00	1.7	104	70-130			
Sodium	2.2	0.10	mg/L	0.500	1.8	91	70-130			
Zinc	0.54	0.020	mg/L	0.500	ND	106	70-130			
Post Spike (B2E0692-PS1)	**Source: 2050651-54**									
Barium	0.54		mg/L	0.500	ND	106	85-115			
Calcium	2.6		mg/L	0.500	2.1	92	85-115			
Iron	0.55		mg/L	0.500	ND	103	85-115			
Magnesium	1.6		mg/L	0.500	1.1	98	85-115			
Manganese	0.53		mg/L	0.500	ND	105	85-115			
Potassium	6.8		mg/L	5.00	1.7	102	85-115			
Sodium	2.2		mg/L	0.500	1.8	94	85-115			
Zinc	0.53		mg/L	0.500	ND	104	85-115			
Batch B2E0702 - SM 3030C - ICP										
Blank (B2E0702-BLK1)										
Barium	ND	0.010	mg/L							
Calcium	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.050	mg/L							
Potassium	ND	0.10	mg/L							
Sodium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
LCS (B2E0702-BS1)										
Barium	0.52	0.010	mg/L	0.500		105	85-115			
Calcium	0.53	0.050	mg/L	0.500		106	85-115			
Iron	0.51	0.050	mg/L	0.500		103	85-115			
Magnesium	0.52	0.050	mg/L	0.500		103	85-115			
Potassium	5.2	0.10	mg/L	5.00		104	85-115			
Sodium	0.50	0.10	mg/L	0.500		99	85-115			
Zinc	0.52	0.020	mg/L	0.500		103	85-115			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0702 - SM 3030C - ICP										
Duplicate (B2E0702-DUP1)	**Source: 2050651-32**									
Barium	0.073	0.010	mg/L		0.073			0.5	20	
Calcium	2.6	0.050	mg/L		2.6			2	20	
Iron	0.93	0.050	mg/L		0.90			4	20	
Magnesium	1.2	0.050	mg/L		1.2			0.5	20	
Potassium	1.4	0.10	mg/L		1.4			0.3	20	
Sodium	2.3	0.10	mg/L		2.3			0.3	20	
Zinc	0.029	0.020	mg/L		0.025			13	20	
Matrix Spike (B2E0702-MS1)	**Source: 2050651-32**									
Barium	0.58	0.010	mg/L	0.500	0.073	102	70-130			
Calcium	3.0	0.050	mg/L	0.500	2.6	73	70-130			
Iron	1.3	0.050	mg/L	0.500	0.90	76	70-130			
Magnesium	1.6	0.050	mg/L	0.500	1.2	93	70-130			
Potassium	6.5	0.10	mg/L	5.00	1.4	101	70-130			
Sodium	2.8	0.10	mg/L	0.500	2.3	88	70-130			
Zinc	0.51	0.020	mg/L	0.500	0.025	96	70-130			
Post Spike (B2E0702-PS1)	**Source: 2050651-32**									
Barium	0.58		mg/L	0.500	0.073	102	85-115			
Calcium	3.2		mg/L	0.500	2.6	108	85-115			
Iron	1.4		mg/L	0.500	0.90	104	85-115			
Magnesium	1.7		mg/L	0.500	1.2	101	85-115			
Potassium	6.5		mg/L	5.00	1.4	102	85-115			
Sodium	2.8		mg/L	0.500	2.3	91	85-115			
Zinc	0.54		mg/L	0.500	0.025	102	85-115			
Batch B2E0705 - SM 3030C - ICP-MS										
Blank (B2E0705-BLK1)										
Arsenic	ND	0.005	mg/L							
Cadmium	ND	0.001	mg/L							
Chromium	ND	0.002	mg/L							
Copper	ND	0.005	mg/L							
Lead	ND	0.005	mg/L							
Manganese	ND	0.005	mg/L							
Nickel	ND	0.005	mg/L							
Selenium	ND	0.005	mg/L							
Silver	ND	0.002	mg/L							

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0705 - SM 3030C - ICP-MS										
LCS (B2E0705-BS1)										
Arsenic	0.021	0.005	mg/L	0.0200		104	85-115			
Cadmium	0.021	0.001	mg/L	0.0200		103	85-115			
Chromium	0.021	0.002	mg/L	0.0200		103	85-115			
Copper	0.022	0.005	mg/L	0.0200		111	85-115			
Lead	0.020	0.005	mg/L	0.0200		101	85-115			
Manganese	0.020	0.005	mg/L	0.0200		100	85-115			
Nickel	0.021	0.005	mg/L	0.0200		106	85-115			
Selenium	0.020	0.005	mg/L	0.0200		100	85-115			
Silver	0.020	0.002	mg/L	0.0200		102	85-115			
Matrix Spike (B2E0705-MS1)	**Source: 2050651-34**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Cadmium	0.022	0.001	mg/L	0.0200	ND	108	70-130			
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130			
Copper	0.022	0.005	mg/L	0.0200	ND	106	70-130			
Lead	0.021	0.005	mg/L	0.0200	ND	101	70-130			
Manganese	0.025	0.005	mg/L	0.0200	0.005	100	70-130			
Nickel	0.022	0.005	mg/L	0.0200	ND	105	70-130			
Selenium	0.020	0.005	mg/L	0.0200	ND	99	70-130			
Silver	0.021	0.002	mg/L	0.0200	ND	105	70-130			
Matrix Spike Dup (B2E0705-MSD1)	**Source: 2050651-34**									
Arsenic	0.021	0.005	mg/L	0.0200	ND	101	70-130	0.3	20	
Cadmium	0.021	0.001	mg/L	0.0200	ND	106	70-130	1	20	
Chromium	0.023	0.002	mg/L	0.0200	ND	108	70-130	0.1	20	
Copper	0.021	0.005	mg/L	0.0200	ND	105	70-130	0.9	20	
Lead	0.021	0.005	mg/L	0.0200	ND	103	70-130	2.10	20	
Manganese	0.026	0.005	mg/L	0.0200	0.005	105	70-130	4	20	
Nickel	0.022	0.005	mg/L	0.0200	ND	105	70-130	0.2	20	
Selenium	0.021	0.005	mg/L	0.0200	ND	101	70-130	2	20	
Silver	0.021	0.002	mg/L	0.0200	ND	105	70-130	0.6	20	
Post Spike (B2E0705-PS1)	**Source: 2050651-34**									
Arsenic	0.025		mg/L	0.0250	ND	99	75-125			
Cadmium	0.025		mg/L	0.0250	ND	101	75-125			
Chromium	0.027		mg/L	0.0250	ND	102	75-125			
Copper	0.026		mg/L	0.0250	ND	101	75-125			

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Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Batch B2E0705 - SM 3030C - ICP-MS										
Post Spike (B2E0705-PS1)	**Source: 2050651-34**									
Lead	0.025		mg/L	0.0250	ND	98.6	75-125			
Manganese	0.030		mg/L	0.0250	0.005	100	75-125			
Nickel	0.026		mg/L	0.0250	ND	100	75-125			
Selenium	0.025		mg/L	0.0250	ND	99	75-125			
Silver	0.025		mg/L	0.0250	ND	100	75-125			
Batch B2F0034 - EPA 245.1										
Blank (B2F0034-BLK1)										
Mercury	ND	0.00020	mg/L							
LCS (B2F0034-BS1)										
Mercury	0.0020	0.00020	mg/L	0.00200		100	85-115			
Duplicate (B2F0034-DUP1)	**Source: 2050668-21**									
Mercury	ND	0.00020	mg/L		ND				20	
Duplicate (B2F0034-DUP2)	**Source: 2050686-04**									
Mercury	ND	0.00020	mg/L		ND				20	
Matrix Spike (B2F0034-MS1)	**Source: 2050668-21**									
Mercury	0.0041	0.00020	mg/L	0.00500	ND	82	70-130			
Matrix Spike (B2F0034-MS2)	**Source: 2050686-04**									
Mercury	0.0041	0.00020	mg/L	0.00500	ND	82	70-130			

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 245.1 Mercury Digestion				
EPA 245.1	B2E0687	2050651-24	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-30	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-32	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-34	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-37	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-44	05/24/2012 09:00	MER
EPA 245.1	B2E0687	2050651-50	05/24/2012 09:00	MER
EPA 245.1	B2F0034	2050651-52	06/01/2012 17:02	MER
EPA 245.1	B2E0687	2050651-54	05/24/2012 09:00	MER
EPA 245.1	B2F0034	2050651-56	06/01/2012 17:02	MER
EPA 245.1	B2F0034	2050651-59	06/01/2012 17:02	MER
SM 3030C ICP Metal Digestion				
SM 3030C - ICP	B2E0692	2050651-23	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-30	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0702	2050651-32	05/24/2012 11:07	KFJ
SM 3030C - ICP	B2E0692	2050651-34	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-36	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-43	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-50	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-52	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-54	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-56	05/24/2012 10:16	KFJ
SM 3030C - ICP	B2E0692	2050651-58	05/24/2012 10:16	KFJ
SM 3030C ICP-MS Metal Digestion				
SM 3030C - ICP-MS	B2E0677	2050651-23	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-30	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-32	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0705	2050651-34	05/24/2012 14:45	LBH
SM 3030C - ICP-MS	B2E0677	2050651-36	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-43	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-50	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-52	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-54	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-56	05/23/2012 15:39	LBH
SM 3030C - ICP-MS	B2E0677	2050651-58	05/23/2012 15:39	LBH

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LABORATORY SERVICES

Blue Ridge Paper Products		Project:	MW and SW
175 Main Street		Work Order:	2050651
Canton, NC 28716		Reported:	07/10/12 16:31

Data Qualifiers and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not reported
RPD	Relative Percent Difference
P3	The RPD of sample and duplicate were evaluated using +/- the reporting limit. The sample / duplicate results were less than 4 times the reporting limit.
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
X	Result subject to sample matrix interference. Reported detection limit has been adjusted where applicable.

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2050651

ROGERS & CALLCOTT LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Cinton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-159

				N	—	—	—	—	Filtered (Yes/No)
				Y	—	—	—	—	Cooled (Yes/No)
				P	P	P	G	P	Container Type (P/G)
				500 mL	250 mL	1/2 gal	1 L	250 mL	Container Volume
				G	—	—	—	—	Sample Type (Grab/Composite)
				GW	—	—	—	—	Sample Source (WW, GW, DW, Other)
				N	—	—	—	—	Sample Source Chlorinated (Yes/No)
				NA	NA	NA	NA	NA	Lab Receipt Cl2 Check: Mcl
				<2	<2	NA	<2	<2	Lab Receipt pH Check: 5-23-12
				B	B	A	C	I	Preserved (Code)
Rogers & Callcott Lab No.	Yr.12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: Total Metals *	Total Hg	SO4, Cl, F, TDS, NO3	Phenols	TOC
-23	5/22/12	0830	MW-15	1	1				
-24	|	0833	|	1		1			
-25	|	0835	|	1			1		
-26	|	0844	|	1				1	
-27	|	0851	|	1					1
-28	|	0853	|	1					
-29	|	0856	|	1					

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

COMMENTS:

* As, Ba, Cd, Cu, Cr, Co, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Zn

Field duplicate collected -01 through -22

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1225	② [signature] Shipper Name & #	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] Shipper Name & #	5.23.12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 1.0 °C

Form Revised July 2008

R/C COC FORM

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P.O. Box 5655, Greenville, SC 29606
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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Cuter NC

Report To:

Telephone No. FAX No.

PO No. Project No. 2004-159

Filtered (Yes/No)	N								
Cooled (Yes/No)	Y								
Container Type (P/G)	P	P	P	G	P	G	P		
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL		
Sample Type (Grab/Composite)	G								
Sample Source (WW, GW, DW, Other)	GW								
Sample Source Chlorinated (Yes/No)	N								
Lab Receipt Cl, Check	NA	NA	NA	NA	NA		NA		mcs
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2		5-23-12
Preserved (Code)	B	B	A	C	I	B	C		
PARAMETERS	Total Metals*	Total Hg	SO_4, Cl, F, TDS, NO_3	Phenols	TOC	TOX ⊗	NO_3	Total Number of Containers	COMMENTS:
-30 5/22 1010 MW-20	1	1	1	1	1		1	6	* See page 1
-31 1 1010 ⊥						1		1	
-32 1215 MW-1A	1	1	1	1	1		1	6	
-33 1215 ⊥						1		1	
-34 1400 MW-10	1	1	1	2	1		1	7	
-35 1400 ⊥						1		1	
-36 1451 MW-16D	1							1	Field data collected

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.) / Shipper Name & #	Date/Time
① [signature]	5/23/2012 1225	② [signature]	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] / Shipper Name & #	5-23-12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ / Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

⊗ subcontracted

Temperature of blank or representative sample

At time of collection ____ °C

At time of lab receipt 1.0 °C

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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: DRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 2004-159

									Filtered (Yes/No)
									Cooled (Yes/No)
									Container Type (P/G)
									Container Volume
									Sample Type (Grab/Composite)
									Sample Source (WW, GW, DW, Other)
									Sample Source Chlorinated (Yes/No)
									Lab Receipt Cl2 Check
									Lab Receipt pH Check
									Preserved (Code)
Rogers & Callcott Lab No.	Yr.12 Date	Time	Sample Description	Total Number of Containers	Total Metals *	Total Hg	SO4, Cl, F, TDS, NO2	Phenols	TOC	TOX	NO3	COMMENTS:
-37	5/22	1457	MW-16D	1		1						* See page 1
-38		1458		1			1					
-39		1508		1				1				
-40		1516		1					1			
-41		1518		1						1		
-42		1522		1							1	
-43		1600	MW-16S	1	1							Field data collected

Filtered (Yes/No)	N				
Cooled (Yes/No)	Y				
Container Type (P/G)	P	P	P	G	P	G	P
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL
Sample Type (Grab/Composite)	G						
Sample Source (WW, GW, DW, Other)	GW						
Sample Source Chlorinated (Yes/No)	N						
Lab Receipt Cl2 Check	NA	NA	NA	NA	NA		NA
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2
Preserved (Code)	B	B	A	C	I	B (*)	C

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1225	② [signature] Shipper Name & #	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] Shipper Name & #	5.23.12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
(*) subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.0 °C

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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No. FAX No.

PO No. Project No. 2004-159

Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	P	P	P	G	P	G	P	
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL	
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl_2 Check	NA	NA	NA	NA	NA		NA	mcs 5-23-12
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2	
Preserved (Code)	B	B	A	C	I	B	C	
PARAMETERS	Total Metals*	Total Hg	SO_4, Cl, F, TDS, NO_2	Phenols	TOC	TOX	NO_3	

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total Metals*	Total Hg	SO_4, Cl, F, TDS, NO_2	Phenols	TOC	TOX	NO_3	COMMENTS:
-44	5/22	1603	MW-16S	1		1						* See page 1
-45		1605		1			1					
-46		1613		1				1				
-47		1617		1					1			
-48		1619		1						1		
-49		1622		1							1	
-50		1652	MW-2	6	1	1	1	1	1		1	Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1225	② [signature] Shipper Name & #	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] Shipper Name & #	5.23.12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
(*) subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.0 °C

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Greenville, SC 29607

CHAIN OF CUSTODY RECORD

205065)

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-159

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total / Metals *	Total / Hg	SO4, Cl, Fl, TDS, NH3	Phenols	TOC	TOX	NO3	Comments
-51	5/22	1652	MW-2	1						1		* see page 1
-52		1740	MW-11	6	1	1	1	1	1		1	
-53		1740	⊥	1						1		
-54		1812	MW-9	6	1	1	1	1	1		1	
-55	⊥	1812	⊥	1						1		
-56	5/23	0959	MW-6	6	1	1	1	1	1		1	
-57	⊥	0959	MW-6	1						1		Field data collected

PARAMETERS								
Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	P	P	P	G	P	G	P	
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL	
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl2 Check	NA	NA	NA	NA	NA		NA	MCSI
Lab Receipt pH Check	<2	*	NA	<2	<2		<2	5-23-12
Preserved (Code)	B	B	A	C	I	B	C	

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

COMMENTS:
* Added additional HNO_3 in lab to pH <2 @ 1435 5/23/12 mcsi

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1225	② [signature] Shipper Name & #	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] Shipper Name & #	5.23.12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
* subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.0 °C

Form Revised July 2008

R/C COC FORM

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LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

2050651

Client Name: BRPC

Address: Canton, NC

Report To:

Telephone No.: FAX No.:

PO No.: Project No. 2004-159

Filtered (Yes/No)	N							
Cooled (Yes/No)	Y							
Container Type (P/G)	P	P	P	G	P	G	P	
Container Volume	500 mL	250 mL	1/2 gal	1 L	250 mL	16 oz	250 mL	
Sample Type (Grab/Composite)	G							
Sample Source (WW, GW, DW, Other)	GW							
Sample Source Chlorinated (Yes/No)	N							
Lab Receipt Cl, Check	NA	NA	NA	NA	NA		NA	Med
Lab Receipt pH Check	<2	<2	NA	<2	<2		<2	5-23-12
Preserved (Code)	B	B	A	C	I	B	C	
PARAMETERS	Total Metals*	Total Hg	SO4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX (*)	NO3	

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I–Phosphoric Acid

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	Total Metals*	Total Hg	SO4, Cl, Fl, TDS, NO2	Phenols	TOC	TOX (*)	NO3	COMMENTS:
-58	5/23	1039	MW-13	1	1							* See page 1
-59		1043		1		1						
-60		1044		1			1					
-61		1053		1				1				
-62		1100		1					1			
-63		1102		1						1		
-64		1106		1							1	Field data collected

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5/23/2012 1225	② [signature] Shipper Name & #	5/23/12 1225
Relinquished by (Sig.) ③ [signature]	5/23/12 1359	Received by (Sig.) ④ [signature] Shipper Name & #	5.23.12 1359
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES
(*) subcontracted

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt 1.0 °C

Form Revised July 2008

R/C COC FORM

Well Number: MW-15

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: DCS

Site Name/Location: DRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 26.01 @ 0759
Total Depth of Well (b): 43.71 on 5/22/2012
Length of Water Column in Well (b-a): 17.70
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / (mL) Removed
1 Casing Vol = (b-a) x Multiplier		
3 Casing Vol		5000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	0803	NA	200	26.01	0.0	7.10	13.0	50.5	NA	NA	NA	1	10.4	
	0808	1	200	26.54	1000	6.28	12.8	51.1				1	7.21	
	0813	2	200	26.59	2000	5.96	12.7	50.8				1	7.21	
	0818	3	200	26.52	3000	5.87	12.7	51.0				1	7.39	
	0823	4	200	26.54	4000	5.80	12.7	50.8				1	6.38	
	0828	5	200	26.56	5000	5.81	12.7	50.4				1	<5.0	

5/22/2012

Weather Conditions/~Temp: Overcast / 50's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals - 0830; Hg - 0833; Cl, Fl, TDS, NO_2, SO_4 - 0835; Phenols - 0844; TOC - 0851; TOX - 0853; NO_3 - 0856

Comments Set the pump in the well @ 1805 on 5/21/2012

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-20

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ _____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 44.42 @ 0945
Total Depth of Well (b): 61.59 on 5/21/2012
Length of Water Column in Well (b-a): 17.17
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	11.2	
3 Casing Vol	33.6	33.6

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	0952	NA	2.0	44.42	0.0	6.44	15.7	78.8 ~~NA~~ BCS 5/22/12	NA	NA	NA	1	41.8	
	0957	1	2.0	46.58	11.2	6.35	15.3	84.1				1	5.74	
	1003	2	2.0	47.33	22.4	6.36	15.3	88.7				1	<5.0	
	1008	3	2.0	47.65	33.6	6.40	14.9	90.2				1	<5.0	

5/22/2012

Weather Conditions/~Temp: Partly Cloudy / 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1010

Comments Set the pump in the well @ 1700 on 5/21/2012

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-1R

☐ Development
☒ Purging

Date: 5/22/2012

Field Personnel: DCS

Site Name/Location: BRPC

For Low Flow Sampling: Page ~~na~~ of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 62.69 @ 1021
Total Depth of Well (b): 72.27
Length of Water Column in Well (b-a): 9.58
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: na

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.6	
3 Casing Vol	4.8	16.8

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / Labeled MW-A1
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1029	na	0.16	62.69	0.0	6.39	14.4	36.6	NA	NA	NA	1	140	
	1039	1	0.16	64.24	1.6	6.08	15.3	34.8				1	318	
	1049	2	0.16	64.66	DCS 5/21/12 ~~1.6~~ 3.2	6.06	16.5	34.0				1	355	
	1057	3	0.20	64.60	4.8	6.04	16.4	33.3				1	84.2	
	1213 *	4	0.15	NA	16.8	6.13	17.1	33.8				1	22.5	

5/22/2012

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Cloudy / 60's °F

Well Yield: (Low/ Moderate/ High) Sample Clarity: Slightly Turbid Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1215

Comments * Purged additional volume and reduce the flow rate to lower the turbidity

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-10

☐ Development
☒ Purging

Date: 5/22/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☒ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ _____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 36.29 @ 1255
Total Depth of Well (b): 75.76
Length of Water Column in Well (b-a): 39.47
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	6.4	
3 Casing Vol	19.2	~23.2

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ± 0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1341	NA	1.5	36.29	0.0	6.31	14.3	34.1	NA	NA	NA	1	80.3	
	1345	1	1.5	38.50	6.4	6.18	13.4	32.8				1	38.6	
	1349	2	1.5	38.60	12.8	6.15	13.4	33.6				1	51.1	
	1353	3	1.5	38.60	19.2	6.11	13.3	33.3				1	70.5	
	1358*	4	0.8	NA	23.2	6.06	13.3	33.5				1	45.0	

Brett A. Callcott 5/22/2012

Weather Conditions/~Temp: Cloudy 70's °F

** Subjective (1) None (2) Slight (3) Moderate (4) Strong*

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1400

Comments *Purged additional volume and reduced the flow rate to lower the turbidity

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-16D

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ _____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 62.14 @0925
Total Depth of Well (b): 110.08 on 5/22/2012
Length of Water Column in Well (b-a): 47.94
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / (mL) Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		2475

Circle One that Applies

Measuring Point: (TOC) / Ground Surface
Riser Material: (PVC) / Steel / Teflon
Steel Protective Casing? (Yes) / No
Bollards? (Yes) / No
Flush Mount? Yes / (No)
Well Locked? (Yes) / No
Well Pad Condition? (Okay) / _____
Well Integrity Satisfactory? (Okay) / _____
Vegetation: (Overgrown) / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1435	NA	165	62.14	0.0	6.77	17.8	1576	NA	NA	NA	2	39.2	
	1440	1	165	62.25	825	6.76	16.4	1574				2	<5.0	
	1445	2	165	62.49	1650	6.77	16.2	1595				2	<5.0	
	1450	3	165	62.71	2475	6.81	15.9	1603				2	<5.0	

Daniel C. L. 5/22/2012

Weather Conditions/~Temp: Overcast 1 70's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ (Moderate) / High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals - 1451; Hg - 1457; Cl, F, TDS, NO_2, SO_4 - 1458; Phenols - 1508; TOC - 1516; TOX - 1518; NO_3 - 1522

Comments Set the pump in the well @ 0935 on 5/22/2012

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-16S ☐ Development ☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: BCS

Page 6 of 11

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☒ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ _____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 57.91 @ 1513
Total Depth of Well (b): 70.40 on 5/22/2012
Length of Water Column in Well (b-a): 12.49
Well Casing Diameter (inches): 4"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / (ml) Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		3000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / Broken Hinge
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1543	NA	200	57.91	0.0	6.55	15.2	4600	NA	NA	NA	3	6.85	Yellow tint
	1548	1	200	58.23	1000	6.55	15.1	4710				3	<5.0	
	1553	2	200	58.55	2000	6.57	15.0	4760				3	<5.0	
	1558	3	200	58.61	3000	6.58	15.0	~~4770~~ 4770 BCS 5/22/12				3	<5.0	

5/22/2012

Weather Conditions/~Temp: Heavy Rain 160's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear / Yellow tint Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals-1600 ; Hg-1603 ; Cl, Fl, TDS, NO_2, SO_4-1605 ; Phenols-1613 ; TOC-1617 ; TOX-1619 ; NO_3-1622

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-2

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: JKS

5/22/12 Page 87 of 11

Site Name/Location: BPPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 4.00 @ 0841
Total Depth of Well (b): 11.86
Length of Water Column in Well (b-a): 7.86
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.3	
3 Casing Vol	3.9	1.3

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	0853	NA	NA	4.00	0.0	9.78	14.4	7900	NA	NA	NA	2	8.19	Brown tint
	0855	1		Dry	1.3	9.82	14.5	7910				2	13.9	Dry
	1652 ~~1652~~ Stable	2		NA	Sample	9.79	15.1	7690				2	14.1	Sample

5/22/2012

Weather Conditions/~Temp: Overcast / 60's °F

*Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low) Moderate/ High) Sample Clarity: Slightly Turbid/Brown tint Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1652

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Well Number: MW-11

☐ Development
☒ Purging

Date: 5/22/2012 Field Personnel: BCS

Site Name/Location: BRPC

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For Low Flow Sampling: Page ~~8~~ A of

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 10.16 @ 1237
Total Depth of Well (b): 21.71 on 5/22/2012
Length of Water Column in Well (b-a): 11.55
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.9	
3 Casing Vol	5.7	1.9

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (µS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1244	NA	NA	10.16	0.0	5.33	13.3	38.9	NA	NA	NA	1	66.7	
↓	1249	1	↓	Dry	1.9	5.33	12.6	42.7	↓	↓	↓	1	261	Dry
↓	1740	2	↓	NA	Sample	6.29	14.0	63.1	↓	↓	↓	1	17.4	Sample

Brad Callcott 5/22/2012

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Weather Conditions/~Temp: Cloudy / 70's °F

Well Yield: (Low / Moderate / High) Sample Clarity: Slightly Turbid Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1740

Comments

Reviewed by: _____ Date: _____

Revised 2/3/09

Well Number: MW-9

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/22/2012 Field Personnel: BCS

Page 9 of 11

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of ____

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☒ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☐ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐ ____	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 37.52 @ 1310
Total Depth of Well (b): 66.85 on 5/22/2012
Length of Water Column in Well (b-a): 29.33
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	4.8	
3 Casing Vol	14.4	~4.8

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / ____
Well Integrity Satisfactory? Okay / ____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/22/2012	1316	NA	NA	37.52	0.0	5.78	15.0	39.7	NA	NA	NA	1	7.80	
↓	1326	1	↓	Dry	4.8	5.62	14.6	51.8	↓	↓	↓	1	116	Dry
↓	1812	2	↓	BCS 5/24/12 ~~Sampl~~ NA	Sample	6.19	15.1	38.2	↓	↓	↓	1	11.8	Sample

Brett Callcott 5/22/2012

Weather Conditions/~Temp: Cloudy / 70's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Slightly Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time 1812

Comments

Reviewed by: ____ Date: ____

Revised 2/3/09

Well Number: MW-6

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/23/2012 Field Personnel: BCS

Site Name/Location: BRPC

For Low Flow Sampling: Page NA of

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 13.82 @ 0931
Total Depth of Well (b): 20.68 on 5/23/2012
Length of Water Column in Well (b-a): 6.86
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	1.1	
3 Casing Vol	3.3	~3.3

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / ____
Well Integrity Satisfactory? Okay / ____
Vegetation: Overgrown / Moderate / Light / None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate gal/m or (ml/m)	Water Level, (feet)	Water Volume Removed gal or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	0936	NA	0.14	13.82	0.0	5.63	14.3	384.3	NA	NA	NA	1	11.7	
	0944	1	0.14	15.39	1.1	5.57	14.0	455.0				1	10.8	
	0952	2	0.14	15.39	2.2	5.55	14.2	473.5				1	5.66	
	0957	3	0.20	16.01	3.3	5.53	14.0	474.1				1	<5.0	

Bradley C. [illegible] 5/23/2012

Weather Conditions/~Temp: Overcast / 60's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High)

Sample Clarity: Clear

Precipitate: None

Fe^{+2} mg/L= NA

Sample Collection Time 0959

Comments

Reviewed by: ____ Date: ____

Revised 2/3/09

Well Number: MW-13

☐ Development
☒ Purging

FIELD DATA LOG FOR GROUND WATER SAMPLING

ROGERS & CALLCOTT ENGINEERS, INC.

Date: 5/23/2012 Field Personnel: BCS

Page 11 of 11

Site Name/Location: BRPC

For Low Flow Sampling: Page 1 of 1

Method of Well Evacuation

Pump	Bailer
☐ Grundfos	☐ Non Disposable Teflon
☐ Submersible	☐ Disposable Teflon
☒ Peristaltic	☐ Disposable Poly
☐ Bladder	☐ Dedicated Teflon
☐ Waterra	☐ Dedicated PVC
☐ Continuous (Recovery Well)	
☐	

One Volume Multiplier (gal/ft) = $\pi r^2 h$ (7.48) (r in feet)
Well Diameter (gal/ft.) 1"= 0.041; 2"= 0.163; 3"= 0.367
4"= 0.653; 6"= 1.470

Water Volume Calculations

Initial Depth to Ground Water (a): 18.76 @ 1018
Total Depth of Well (b): 36.79 on 5/23/2012
Length of Water Column in Well (b-a): 18.03
Well Casing Diameter (inches): 2"
Depth to Immiscible Layer: NA

# of Casings	Gallons to be Removed	Gallons / mLs Removed
1 Casing Vol = (b-a) x Multiplier	NA	
3 Casing Vol		3000

Circle One that Applies

Measuring Point: TOC / Ground Surface
Riser Material: PVC / Steel / Teflon
Steel Protective Casing? Yes / No
Bollards? Yes / No
Flush Mount? Yes / No
Well Locked? Yes / No
Well Pad Condition? Okay / _____
Well Integrity Satisfactory? Okay / _____
Vegetation: Overgrown/ Moderate/ Light/ None

Water Removal / Field Analysis Data

Date	Time	Increment	Removal Rate (gal/m) or (ml/m)	Water Level, (feet)	Water Volume Removed (gal) or (ml)	pH (units) ±0.1-Stable	Temp (°C)	Conductivity (uS/cm) 10%-Stable	Dissolved Oxygen (mg/L)	Hydrogen Sulfide (ppm)	ORP (mVolts)	Odor (Subj*)	Turbidity (NTU)	Comments
5/23/2012	1023	NA	200	18.76	0.0	6.75	15.1	2073	NA	NA	NA	1	8.16 ~~34.9~~ 5/24/12	
	1028	1	200	19.63	1000	6.72	14.3	2113				1	<5.0	
	1033	2	200	19.66	2000	6.72	14.1	2119				1	<5.0	
	1038	3	200	19.67	3000	6.71	14.0	2116				1	<5.0	

5/23/2012

Weather Conditions/~Temp: Overcast / 70's °F

* Subjective (1) None (2) Slight (3) Moderate (4) Strong

Well Yield: (Low/ Moderate/ High) Sample Clarity: Clear Precipitate: None Fe^{+2} mg/L= NA

Sample Collection Time Metals - 1039 ; H_2 - 1043 ; Cl, Fl, TDS, NO_2, SO_4 - 1044 ; Phenols - 1053 ; TOC - 1100 ; TOX - 1102 ; NO_3 - 1106

Comments

Reviewed by: Date:

Revised 2/3/09

Rogers and Callcott Engineers

Field Meter Calibration Record

Client: BRPC

Date: 5/22/2012

Conductivity Meter Calibration
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01963 Probe: 300-4M 08L100071

Time: 0648 Analyst: BCS Cell Constant 5.01

Chemical Inventory	Conc. of Standard, µmhos/cm @25°C		Actual Reading of Standard, µmhos/cm	Actual Reading of Standard, @ Temperature, °C
PZ01774	BCS 5/22/2012 ~~9~~.958		8.8	21.0
PZ01775	98.8		98.7	21.2
PZ01776	1000		973	20.9
PZ00978	SSS conc:	447	439.0	21.0

Temperature compensation for conductivity meter : ∅

Note: Temperature is recorded from the conductivity meter for reporting purposes.

pH Meter Calibration
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03197 Probe: YSI 605377 10E

Time: 0648 Analyst: Slope: 98.6

Chemical Inventory	Conc. of Buffer, units		Actual Reading of Buffer, units
PZ01165	4.0		3.97
PZ01~~765~~52 BCS 5/22/2012	7.0		7.01
PZ01164	10.0		10.01
PZ01889	SSS conc:	10.0	10.03

Temperature compensation for pH meter : ∅

Note: Temperature is recorded from the conductivity meter for reporting purposes.

Turbidity Meter Calibration
Field Screen Method

Meter Make / Model: Hach 2100P SN: 081200033298 Date of most recent calibration: 5/2/2012

Time: 0645 Analyst: BCS

Chemical Inventory	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
BCS 5/22/2012 ~~PZ00097~~ PZ00097	4.45	4.12
PZ00098	48.7	47.6
PZ00099	475	466

Reviewed by: Date:

Revised 03/18/09

Rogers and Callcott Engineers

Continuing Calibration Verification

Client: BRPC **Date:** 5/22/2012

Conductivity Meter
EPA 9050A

Meter Make / Model: YSI EC300 SN: 5C01967 Probe: 300-4m 08L100071

Time	Analyst	Conc. of Standard, µmhos/cm @25°C	Actual Reading of Standard, µmhos/cm
1217	BCS	98.8	99.0 @ 20.7 °C
1828	BCS	9.58	8.9 @ 19.6 °C

pH Meter
EPA 9040C

Meter Make / Model: YSI pH100 SN: 5C03192 Probe: YSI 605377 10F

Time	Analyst	Conc. of Buffer, units	Actual Reading of Buffer, units
1217	BCS	7.0	7.04
1828	BCS	4.0	4.04

Turbidity Meter
Field Screen Method

Meter Make / Model: Hach 2100P SN: 081200033298

Time	Analyst	Assigned Conc. of Standard, NTU	Actual Reading of Standard, NTU
1217	BCS	48.7	49.4
1828	BCS	4.45	4.42

Field Duplicate

Well ID: MW-15

Time	Analyst	Conductivity, µmhos/cm	pH, units	Turbidity, NTU	Temperature, °C
0828	BCS	50.4	5.80	<5.0	12.8

Note: Refer to daily calibration log for instrument calibration and chemical inventory information / documentation.

Reviewed by: _____ Date: _____

Revised 03/18/09

ROGERS & CALLCOTT
LABORATORY SERVICES

P.O. Box 5655, Greenville, SC 29606
Phone: (864) 232-1556 - FAX: (864) 232-6140

Sample Receipt Verification

Client: BLUE RIDGE PAPER CO Date Received: 5.23.12 Work Order: 2050651

Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____

Tracking Number: _____

Receipt Criteria	Yes	No	NA	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?			X	
Samples cooled? Temp at receipt recorded on COC; Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			MW-11 Metal (Hg) - pres. IN LAB

If in-house preservation used – record Lot #	HCL	
	H_2SO_4	
	HNO_3	P201673
	H_3PO_4	
	NaOH	
	Other	

Comments:

Completed by: KRU

Revised April 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWE2904
Client Project/Site: [none]
Client Project Description: TOX, NC

For:
Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606

Attn: Susan Gunter

Authorized for release by:
6/26/2012 3:26:06 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2904-01	2050651-28 MW-15	Water	05/22/12 08:53	05/25/12 08:30
NWE2904-02	2050651-31 MW-20	Water	05/22/12 10:10	05/25/12 08:30
NWE2904-03	2050651-33 MW-1A	Water	05/22/12 12:15	05/25/12 08:30
NWE2904-04	2050651-35 MW-10	Water	05/22/12 14:00	05/25/12 08:30
NWE2904-05	2050651-41 MW-16D	Water	05/22/12 15:18	05/25/12 08:30
NWE2904-06	2050651-48 MW-16S	Water	05/22/12 16:19	05/25/12 08:30
NWE2904-07	2050651-51 MW-2	Water	05/22/12 16:52	05/25/12 08:30

Definitions/Glossary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Qualifiers

WetChem

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
S7	Sample breakthrough to 2nd section is > 10%. Results may be biased low.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-28 MW-15
Date Collected: 05/22/12 08:53
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-01
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-31 MW-20
Date Collected: 05/22/12 10:10
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-02
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-33 MW-1A
Date Collected: 05/22/12 12:15
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-03
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-35 MW-10
Date Collected: 05/22/12 14:00
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-04
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-41 MW-16D
Date Collected: 05/22/12 15:18
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-05
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.209	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-48 MW-16S

Lab Sample ID: NWE2904-06

Date Collected: 05/22/12 16:19
Matrix: Water
Date Received: 05/25/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.362	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-51 MW-2
Date Collected: 05/22/12 16:52
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2904-07
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0993	S7	0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 12F1361-BLK1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Lab Sample ID: 12F1361-BS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.267		mg/L		107	90 - 120

Lab Sample ID: 12F1361-BSD1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.260		mg/L		104	90 - 120	2	20

Lab Sample ID: 12F1361-MS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.0233		0.100	0.114		mg/L		91	70 - 130

Lab Sample ID: 12F1361-MS2
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.305	M7 S7	mg/L		305	70 - 130

QC Association Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

WetChem

Analysis Batch: 12F1361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	SW846 9020B	12F1361_P
12F1361-BS1	Lab Control Sample	Total	Water	SW846 9020B	12F1361_P
12F1361-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12F1361_P
12F1361-MS1	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
12F1361-MS2	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
NWE2904-01	2050651-28 MW-15	Total	Water	SW846 9020B	12F1361_P
NWE2904-02	2050651-31 MW-20	Total	Water	SW846 9020B	12F1361_P
NWE2904-03	2050651-33 MW-1A	Total	Water	SW846 9020B	12F1361_P
NWE2904-04	2050651-35 MW-10	Total	Water	SW846 9020B	12F1361_P
NWE2904-05	2050651-41 MW-16D	Total	Water	SW846 9020B	12F1361_P
NWE2904-06	2050651-48 MW-16S	Total	Water	SW846 9020B	12F1361_P
NWE2904-07	2050651-51 MW-2	Total	Water	SW846 9020B	12F1361_P

Prep Batch: 12F1361_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	NO PREP	
12F1361-BS1	Lab Control Sample	Total	Water	NO PREP	
12F1361-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12F1361-MS1	Matrix Spike	Total	Water	NO PREP	
12F1361-MS2	Matrix Spike	Total	Water	NO PREP	
NWE2904-01	2050651-28 MW-15	Total	Water	NO PREP	
NWE2904-02	2050651-31 MW-20	Total	Water	NO PREP	
NWE2904-03	2050651-33 MW-1A	Total	Water	NO PREP	
NWE2904-04	2050651-35 MW-10	Total	Water	NO PREP	
NWE2904-05	2050651-41 MW-16D	Total	Water	NO PREP	
NWE2904-06	2050651-48 MW-16S	Total	Water	NO PREP	
NWE2904-07	2050651-51 MW-2	Total	Water	NO PREP	

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-28 MW-15

Lab Sample ID: NWE2904-01

Date Collected: 05/22/12 08:53
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-31 MW-20

Lab Sample ID: NWE2904-02

Date Collected: 05/22/12 10:10
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-33 MW-1A

Lab Sample ID: NWE2904-03

Date Collected: 05/22/12 12:15
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-35 MW-10

Lab Sample ID: NWE2904-04

Date Collected: 05/22/12 14:00
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-41 MW-16D

Lab Sample ID: NWE2904-05

Date Collected: 05/22/12 15:18
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-48 MW-16S

Lab Sample ID: NWE2904-06

Date Collected: 05/22/12 16:19
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Client Sample ID: 2050651-51 MW-2

Lab Sample ID: NWE2904-07

Date Collected: 05/22/12 16:52
Matrix: Water
Date Received: 05/25/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Method	Method Description	Protocol	Laboratory
SW846 9020B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2904

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT

NWE2904

Cooler Received/Opened On 5/25/2012 @ 0830

1. Tracking # 3454 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where:

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# 63466

BIS = Broken in shipment

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

NWE2904
06/26/12 23:59

Filtered (Yes/No)	N
Cooled (Yes/No)	Y
Container Type (P/G)	G
Container Volume	500 mL
Sample Type (Grab/Composite)	G
Sample Source (WW, GW, DW, Other)	GW
Sample Source Chlorinated (Yes/No)	N
Lab Receipt Cl_2 Check	
Lab Receipt pH Check	
Preserved (Code)	B
PARAMETERS	TOX

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

	Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	TOX	COMMENTS:	
205	0651-28	5.22	0853	MW-15	1	1	SUB TO TEST AMERICA	1
	-31		1010	MW-20	1	1		2
	-33		1215	MW-1A	1	1		3
	-35		1400	MW-10	1	1	NC SAMPLES	4
	-41		1518	MW-16D	1	1		5
	-48		1619	MW-16B	1	1		6
	-51		1652	MW-2	1	1		7

SAMPLER Relinquished by (Sig.) ①	Date/Time 5.24.12 1000	Received by (Sig.) ② Shipper Name & #	Date/Time 5/25/12 0830
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time
Seal # at'chd by ◯	Recvd. Intact by ◯	Seal # at'chd by ◯	Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt ____ °C

Form Revised July 2008

R/C COC FORM

Hayes, Ken

From: Susan Gunter [susan.gunter@rogersandcallcott.com]
Sent: Wednesday, May 30, 2012 8:02 AM
To: Hayes, Ken
Subject: Work Order NWE2904

Ken,
While reviewing the paperwork for this WO I discovered a mistake on our chain-of-custody. NWE2904-06 (our sample ID 2050651-48) should be MW-16S instead of MW-168. I am attaching a corrected COC for you to use.
Thanks for making this correction. I am sorry for the inconvenience this causes you.
Susan

Susan Gunter
Rogers and Callcott Laboratory Services
PO Box 5655
Greenville SC 29606
Phone (864) 232-1556
Fax (864) 232-6140

Confidentiality Notice*******
Privileged / Confidential information may be contained in this message and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify the sender immediately by return e-mail. Thank you.

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								COMMENTS: BRPC
Filtered (Yes/No)					N								
Cooled (Yes/No)					Y								
Container Type (P/G)					G								
Container Volume					500 mL								
Sample Type (Grab/Composite)					G								
Sample Source (WW, GW, DW, Other)					GW								
Sample Source Chlorinated (Yes/No)					N								
Lab Receipt Cl_2 Check													
Lab Receipt pH Check													
Preserved (Code)					B								
0651-28	5.22	0852	MW-15	1	1								SUB TO TEST AMERICA
-31		1010	MW-20	1	1								
-33		1215	MW-1A	1	1								
-35		1400	MW-10	1	1								NC SAMPLES
-41		1518	MW-16D	1	1								
-48		1619	~~MW-16S~~ MW-16S KRU 5.30	1	1								
-51		1652	MW-2	1	1								

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.24.12 1000	② Shipper Name & #	
Relinquished by (Sig.) ③		Received by (Sig.) ④ Shipper Name & #	
Relinquished by (Sig.) ⑤		Received by (Sig.) ⑥ Shipper Name & #	

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt ____ °C

Form Revised July 2008

R/C COC FORM

11 10 9 8 7 6 5 4 3 2 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NWE2907
Client Project/Site: [none]
Client Project Description: TOX, NC

For:
Rogers & Callcott Engineers, Inc. (13572)
P.O. Box 5655
Greenville, SC 29606

Attn: Susan Gunter

Authorized for release by:
6/26/2012 3:49:26 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Table of Contents 2
Sample Summary 3
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Chain of Custody 14

Sample Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2907-01	2050651-53 MW-11	Water	05/22/12 17:40	05/25/12 08:30
NWE2907-02	2050651-55 MW-9	Water	05/22/12 18:12	05/25/12 08:30
NWE2907-03	2050651-57 MW-6	Water	05/23/12 09:59	05/25/12 08:30
NWE2907-04	2050651-63 MW-13	Water	05/23/12 11:02	05/25/12 08:30

Definitions/Glossary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Qualifiers

WetChem

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
S7	Sample breakthrough to 2nd section is > 10%. Results may be biased low.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Client Sample ID: 2050651-53 MW-11
Date Collected: 05/22/12 17:40
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2907-01
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Client Sample ID: 2050651-55 MW-9

Lab Sample ID: NWE2907-02

Date Collected: 05/22/12 18:12

Matrix: Water

Date Received: 05/25/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Client Sample ID: 2050651-57 MW-6
Date Collected: 05/23/12 09:59
Date Received: 05/25/12 08:30

Lab Sample ID: NWE2907-03
Matrix: Water

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	0.0462		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Client Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Client Sample ID: 2050651-63 MW-13

Lab Sample ID: NWE2907-04

Date Collected: 05/23/12 11:02

Matrix: Water

Date Received: 05/25/12 08:30

Method: SW846 9020B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

QC Sample Results

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Method: SW846 9020B - General Chemistry Parameters

Lab Sample ID: 12F1361-BLK1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Halides	<0.0300		0.0300		mg/L		06/07/12 16:29	06/08/12 12:35	1.00

Lab Sample ID: 12F1361-BS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.250	0.267		mg/L		107	90 - 120

Lab Sample ID: 12F1361-BSD1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Halides	0.250	0.260		mg/L		104	90 - 120	2	20

Lab Sample ID: 12F1361-MS1
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	0.0233		0.100	0.114		mg/L		91	70 - 130

Lab Sample ID: 12F1361-MS2
Matrix: Water
Analysis Batch: 12F1361

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12F1361_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Halides	<0.0300		0.100	0.305	M7 S7	mg/L		305	70 - 130

QC Association Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

WetChem

Analysis Batch: 12F1361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	SW846 9020B	12F1361_P
12F1361-BS1	Lab Control Sample	Total	Water	SW846 9020B	12F1361_P
12F1361-BSD1	Lab Control Sample Dup	Total	Water	SW846 9020B	12F1361_P
12F1361-MS1	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
12F1361-MS2	Matrix Spike	Total	Water	SW846 9020B	12F1361_P
NWE2907-01	2050651-53 MW-11	Total	Water	SW846 9020B	12F1361_P
NWE2907-02	2050651-55 MW-9	Total	Water	SW846 9020B	12F1361_P
NWE2907-03	2050651-57 MW-6	Total	Water	SW846 9020B	12F1361_P
NWE2907-04	2050651-63 MW-13	Total	Water	SW846 9020B	12F1361_P

Prep Batch: 12F1361_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1361-BLK1	Method Blank	Total	Water	NO PREP	
12F1361-BS1	Lab Control Sample	Total	Water	NO PREP	
12F1361-BSD1	Lab Control Sample Dup	Total	Water	NO PREP	
12F1361-MS1	Matrix Spike	Total	Water	NO PREP	
12F1361-MS2	Matrix Spike	Total	Water	NO PREP	
NWE2907-01	2050651-53 MW-11	Total	Water	NO PREP	
NWE2907-02	2050651-55 MW-9	Total	Water	NO PREP	
NWE2907-03	2050651-57 MW-6	Total	Water	NO PREP	
NWE2907-04	2050651-63 MW-13	Total	Water	NO PREP	

Lab Chronicle

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Client Sample ID: 2050651-53 MW-11

Lab Sample ID: NWE2907-01

Date Collected: 05/22/12 17:40
Date Received: 05/25/12 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-55 MW-9

Lab Sample ID: NWE2907-02

Date Collected: 05/22/12 18:12
Date Received: 05/25/12 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-57 MW-6

Lab Sample ID: NWE2907-03

Date Collected: 05/23/12 09:59
Date Received: 05/25/12 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Client Sample ID: 2050651-63 MW-13

Lab Sample ID: NWE2907-04

Date Collected: 05/23/12 11:02
Date Received: 05/25/12 08:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP		1.00	12F1361_P	06/07/12 16:29	SHJ	TAL NSH
Total	Analysis	SW846 9020B		1.00	12F1361	06/08/12 12:35	SHJ	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Method	Method Description	Protocol	Laboratory
SW846 9020B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Rogers & Callcott Engineers, Inc. (13572)
Project/Site: [none]

TestAmerica Job ID: NWE2907

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT

NWE2907

Cooler Received/Opened On 5/25/2012 @ 8:30

1. Tracking # 7250 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID 95610068

2. Temperature of rep. sample or temp blank when opened: 3.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

ROGERS & CALLCOTT
LABORATORY SERVICES
P.O. Box 5655, Greenville, SC 29606
Phone (864) 232-1556 Fax (864) 232-6140
Shipping Address: 426 Fairforest Way
Greenville, SC 29607

CHAIN OF CUSTODY RECORD

PAGE ____ OF ____

NWE2907
06/26/12 23:59

Client Name: ROGERS + CALLCOTT

Address:

Report To: SUSAN GUNTER

Telephone No.: FAX No.:

PO No.: Project No.:

Rogers & Callcott Lab No.	Yr. 12 Date	Time	Sample Description	Total Number of Containers	PARAMETERS: TOX								COMMENTS:
Filtered (Yes/No)					N								
Cooled (Yes/No)					Y								
Container Type (P/G)					G								
Container Volume					500 mL								
Sample Type (Grab/Composite)					G								
Sample Source (WW, GW, DW, Other)					GW								
Sample Source Chlorinated (Yes/No)					N								
Lab Receipt Cl2 Check													
Lab Receipt pH Check													
Preserved (Code)					B								
205	0651-53	5.22	1740	MW-11	1		1						SUB TO TEST AMERICA
	-55	↓	1812	MW-9	1		1						
	-57	5.23	0959	MW-6	1		1						
	-63	↓	1102	MW-13	1		1						NC SAMPLES

Preserved (Code): A–None, B–HNO_3, C–H_2SO_4, D–NaOH, E–HCL, F–$Na_2S_2O_3$, G–Boric Acid, H–Ascorbic Acid, I– ____

SAMPLER Relinquished by (Sig.)	Date/Time	Received by (Sig.)	Date/Time
① [signature]	5.24.12 1000	② [signature] Shipper Name & # TAW	5/25/12 0830
Relinquished by (Sig.) ③	Date/Time	Received by (Sig.) ④ Shipper Name & #	Date/Time
Relinquished by (Sig.) ⑤	Date/Time	Received by (Sig.) ⑥ Shipper Name & #	Date/Time

Seal # at'chd by ◯ Recvd. Intact by ◯ Seal # at'chd by ◯ Recvd. Intact by ◯

KNOWN HAZARDS ASSOCIATED WITH SAMPLES

Temperature of blank or representative sample
At time of collection ____ °C
At time of lab receipt ____ °C